

Ref No. VAB/ENV/2024-25/31

Date: 29/11/2024

To,
The Director,
Ministry of Environment and Forest,
Regional Office (Southern Zone), Kendriya Sadan,
4th Floor, 17th Main Road, 2nd Block, Koramangala,
Bengaluru, Karnataka- 560034

Subject:

Submission of 6th six-monthly compliance report to the conditions of Environment Clearance [File No: IA-J-11011/946/2007-IA. II(I)] for M/s Vedanta Limited (Formerly Sesa Goa Ltd.)

Reference:

1. File No: IA-J-11011/946/2007-IA. II(I) dated 24/01/2022
2. Amendment in Environment Clearance from MoEF vide letter dated 14th March 2022
3. File No: IA-J-11011/946/2007-IA. II(IND-I) dated 18/10/2024

Respected Sir,

With respect to above references, please find enclosed herewith: 6th six-monthly compliance report to Environment Clearance File No: IA-J-11011/946/2007-IA. II(I) dated 24/01/2022 for the period **April'2024 to September'2024** for M/s Vedanta Limited (Formerly Sesa Goa Ltd.).


Project Name: Up-Gradation of Blast Furnaces (BF) to enhance the production capacity of BF-1 & 2 from 2,92,000 TPA to 3,50,000 TPA, BF-3 from 5,40,000 TPA to 6,50,000 TPA, setting up of additional oxygen plant, installation of ductile iron pipe plant of 3,00,000 TPA capacity, 4 additional met coke ovens, setting up of Fe-Si plant of 5,000 TPA capacity at Amona and Navelim villages, Bicholim taluka, North Goa district, Goa. The annexures are enclosed along with the compliance status report.

We are also in receipt of Environment Clearance File No: IA-J-11011/946/2007-IA. II(IND-I) granted to M/s Vedanta Limited on 18/10/2024 for which six months are yet to be completed and hence we will submit next Six-monthly Compliance report in the month of June'25.

Thanking you.

Yours faithfully

For Vedanta Limited- Value Added Business


Saptesh Sardesai
CEO- Value Added Business

Cc: (i) Member Secretary of GSPCB and (ii) Member Secretary of CPCB (SZO)

VEDANTA LIMITED

Sesa Goa Iron Ore, Sesa Ghor, 20 EDC Complex, Patto, Panjim, Goa - 403 001, India
T +91 0832 2460600 | Website: www.sesagoaindian.com

Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 105, Corporate Avenue, Anil Projects, Chakata, Andheri (East), Mumbai 400093, Maharashtra, India.

CIN: L15209MH1905PL1291394

Compliance Report to

Environmental Clearance File No: IA-J-11011/946/2007-IA. II(I)

(Period: April'2024 to September'2024)

Project Name: Up-Gradation of Blast Furnaces (BF) to enhance the production capacity of BF-1 & 2 from 2,92,000 TPA to 3,50,000 TPA, BF-3 from 5,40,000 TPA to 6,50,000 TPA, setting up of additional oxygen plant, installation of ductile iron pipe plant of 3,00,000 TPA capacity, 4 additional met coke ovens, setting up of Fe-Si plant of 5,000 TPA capacity at Amona and Navelim villages, Bicholim taluka, North Goa district, Goa.

Sr. no.	Conditions of EC	Compliance status as of 30 th September'24
A. Specific Conditions		
i.	The project proponent shall abide by all orders and judicial pronouncements, made from time to time in case no. 47 of 2013 before the Hon'ble National Green Tribunal, Case No. 881/2017 in Hon'ble High Court of Goa; Case No. 24/2015 before the Hon'ble District Court, Mapusa.	Noted.
ii.	Green Belt shall be developed in 54 hectares of land (33.5 % of total land) with tree density of 2500 trees per ha by 31/12/2022 all along the periphery of the project site. This shall include gap filling which shall be done in existing green belt developed area wherever tree density is less than 2500 trees per ha. This shall include green belt development within the site with a width of 25 meters towards the Amona village and Navelim village located a distance of 0.32 km and 0.05km from the project site respectively.	Green Belt has been developed within 54 hectares (33.5% of total land) with density of 2,500 plants per hectare Green belt is also developed both towards Amona, Navelim village. In addition, wind shields have been installed along the project boundary towards these villages. During monsoons, i.e., from June to September 2024, total 1775 numbers of plants of different species like Neem, Ashoka, Mahogany, Jamun custard apple, were planted to carry out gap filling in green belt area. Annexure I: Photographs of plantation
iii.	The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.	Approved wildlife management plan for 5 years received from the State Forest Department, Govt. of Goa, the implementation of the same is in progress. Communications from Goa Forest department are attached in Annexure II. As a part of the plan 25 nos. of trap cameras, Sponsorships towards Bird Festival and Wildlife Week celebration, financial support for establishing water holes in wildlife buffer area and Rescue van along with rescue cage was handed over to forest department.

		Annexure II: Communications with the State Forest Department.
iv.	<p>The project proponent shall comply with the following points by on (or) before 31/05/2022 as committed below by the proponent, failing which, GSPCB shall initiate legal action against the proponent under the relevant provision of the Environment (Protection) Act, 1986. Further, compliance status in this regard shall be submitted to the concerned Regional Office of the MoEF&CC along with the six-monthly compliance report.</p> <p>a. 6.38 km internal plant road shall be black topped or concreted by April 2022.</p>	<p>Complied Black topping/concreting of 6.38km of internal road is completed. Photographs of black topping/concreting of internal roads were shared with 2nd EC compliance report.</p>
	<p>b. All the stored slag shall be disposed of by May 2022 and the covered storage shed for slag shall be put in place by 31st May, 2022.</p>	<p>Complied All the existing stored slag has been disposed to cement industries. Presently there is no stacking of slag at the unit except for day-to-day generation.</p>
	<p>c. There are 18 sites of archaeological importance in the study area. Requisite NOC from the concerned competent authority shall be obtained by the proponent and submitted to the Ministry on (or) before 31/05/2022.</p>	<p>Complied. NOC from concerned competent authority obtained, dated 14th July 2022.</p>
	<p>d. Wind Shield for control of graphite particle emissions shall be provided by March 2022.</p>	<p>Complied 260 meters of additional wind shield installed at the project boundary towards Amona village as per timeline. Photographs of the same were shared along with the 2nd Six monthly EC compliance report.</p>
v.	<p>Ductile Iron (DI) plant shall have the following provisions:</p> <p>a. Wet scrubbers for Volatile Organic Compounds in annealing furnace.</p> <p>b. Bag filter for Zn coating and Mg converter area.</p> <p>c. Wet scrubbers in paint and bitumen coating area.</p> <p>d. Bag Filter in Cement lining area.</p> <p>e. PTFE dipped bags shall be used in the plant.</p> <p>f. PM emissions from BF in Zinc coating area shall be 5 mg/Nm³.</p> <p>g. ETP with recycling facility shall be included. All scrubber effluent shall be treated in ETP.</p>	<p>Noted and shall be ensured during project phase of ductile iron pipe plant as part of detailed Engineering.</p>
vi.	<p>Parking area for trucks/dumpers shall be provided within the plant. No truck/dumper shall be parked outside the plant premises.</p>	<p>Complied. Parking area for trucks/dumpers is provided inside the plant premises. No company truck/ dumper is parked outside the plant premises.</p>
vii.	<p>Project proponents shall conserve wetlands located in the vicinity of the project site (Amona – 0.3km in Northern direction and Navelim – 0.6 km in Northern direction) by developing green belt development all along the boundary of the wet land.</p>	<p>During the monsoon season 2024, i.e., from June to September 2024, total 495 nos. of plantation were distributed in Navelim village for green belt development all along the boundary of the wet land.</p>

viii.	Solid waste utilization <ul style="list-style-type: none"> Maximum 90 days of slag storage area shall be permitted inside the plant. 	Complied Slag is disposed continuously and is not allowed to be stored for more than 90 days.
	<ul style="list-style-type: none"> PP shall recycle/reuse 100 % solid waste generated in the plant. 	Complied All the solid waste is recycled/ reused except oil-soaked cotton waste and bio medical waste which are incinerated in the coke ovens as per the consent authorization.
	<ul style="list-style-type: none"> Used refractories shall be recycled as far as possible. 	Complied Used refractories are recycled or reused in road construction purpose.
ix.	Sinter Plant shall be equipped with sinter cooler waste recovery system to generate process steam or power.	Complied Sinter cooler waste recovery system is already available at sinter plant.
x.	BF3 shall be equipped with stove waste heat recovery, cast house and stock house ventilation system, slag granulation facility, Dry Gas Cleaning Plant. Top Recovery Turbine shall be installed during the next revamping of BF3. BF1 & 2 shall be equipped with stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility. Dry Gas Cleaning Plant shall be installed during next revamping of BF1 and BF2.	Blast furnace 3 is already equipped with stove waste heat recovery, cast house and stock house ventilation system, slag granulation facility and dry gas cleaning plant. Top Recovery Turbine installation shall be taken up during revamping. Blast Furnace 1 and Blast Furnace 2 are equipped with stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility. Dry Gas Cleaning Plant installation shall be taken up during next revamping.
xi.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.	Complied. Performance tests of the air pollution control systems were done in 2024 and reports submitted to GSPCB and regional office of MOEFF&CC. Annexure III- Performance test reports.
xii.	Submerged Arc Furnace shall be of closed type with 4th hole extraction system.	Furnace is closed with hydraulic operated doors & having 02 nos of extractions holes.
xiii.	Particulate matter emissions from stacks shall be less than 30 mg/Nm ³ . Necessary retrofitting work shall be carried out in Air Pollution Control Devices (APCDs) of old plant to reduce PM emissions to less than 30 mg/Nm ³ within two years from the date of EC.	The PM emissions from the process stacks of blast furnaces 1, 2 and 3 are maintained below 30 mg/Nm ³ .
xiv.	AAQ at Mosque and Siddhartha Caves archaeological sites shall be monitored once in a month as per the CPCB norms.	Complied Ambient air monitoring is being done once a month at Archeological sites i.e the Mosque and Siddhartha Caves at Tar Surla and the reports are submitted monthly to Goa State Pollution Control Board. Attaching Annexure-IV: Ambient air monitoring reports of archaeological sites from April'24 to September'24
	02 manual ambient air quality monitoring stations within the plant shall be replaced with one CAAQMS in addition to the 03 CAAQMS presently installed.	Complied 1nos new CAAQMS has been installed at the location identified by Goa State Pollution Control Board team with total 4 nos of CAAQMS stations.

	Manual monitoring as done presently shall be continued and Benzo Amino Pyrene (BaP) shall be monitored manually as per CPCB norms.	Complied Benzo Amino Pyrene (BaP) is being monitored monthly and reports are being submitted monthly to GSPCB. Attaching Annexure V-BaP monitoring data from April'24 to September'24.
	One manual air quality monitoring station shall be established towards Amona and Navelim villages and ambient air quality monitored as per CPCB norms.	Complied One AAQMS has been installed towards Amona village and one AAQMS towards Navelim village. The ambient air quality monitoring at these two locations is done as per CPCB norms. Annexure-VI: AAQMS reports of Amona and Navelim village from April'24 to September'24.
xv.	Water requirements for the plant shall be met from Mandovi River and Valvonti river. Ground water abstraction is not permitted.	No ground water is used for the process. Water from Mandovi and Valvonti river is used for operation purposes for which required permissions have been obtained.
xvi.	All internal and connecting roads to the Highway shall be black topped/ concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines.	The internal roads and connecting roads to the highway have been black topped.
xvii.	Water being used for cooling purposes in Waste Heat Recovery Power Plant (WHRPP) is the saline water drawn from Mandovi river (backwater). The blow down of cooling towers shall be discharged back to the saline backwaters as per the approval of the GSPCB. Project proponent shall periodically monitor the riverine water quality and report shall be submitted along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.	Riverine water quality is being monitored and reports are submitted to GSPCB every month. Attaching Annexure VII: Riverine water quality reports from April'24 to September'24.
xviii	Secondary emission generated during charging, tapping of metal, slag tapping may be controlled by providing canopy hoods at proper elevation connected to air pollution control device without interfering with the production process.	The Dust Extraction Systems (DES) have been provided for coal charging and baghouses with hoods have been provided for tapping of metal.
xix.	Additional Filter beds, arrester wall shall be provided along the storm water drainage for settlement of suspended particles and to prevent siltation.	Additional 5nos filter beds and arrester walls are provided in the storm drains and these storm drains are desilted every year before monsoon.
xx.	The recommendations contained in the storm water management plan shall be strictly adhered with. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.	The storm water management plan has been prepared and implemented. 7500m ² geo-blanketing was done as a part of the management plant. Also, the desilting of all the settling ponds and drains is done every year before and after monsoons. Annexure VIII: Monsoon measures

B. General conditions

I **Statutory compliance:**

i.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Noted.
II	Air quality monitoring and preservation:	
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied Continuous Emission Monitoring System (CEMS) have been installed at the process stacks and are connected to Goa State Pollution Control Board (GSPCB) and Central Pollution Control Board (CPCB). Calibration of CEMS is done regularly.
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied We are monitoring fugitive emissions at our loading/unloading areas, raw material storage areas and internal roads quarterly through MOEFCC approved laboratory. Attaching here with reports Annexure IX: Fugitive dust emission reports.
iii.	Sampling facilities at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Complied All process stacks have been provided with sampling facilities. Quenching towers are not a source of process emissions and are provided with grit arresters.
iv.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Complied Baghouses, Electrostatic Precipitators (ESPs), Dust Extracting Systems (DESS), rain guns, fog cannons, windshields, road sweeping machines, water tankers, dry fog systems are present to control air pollution.
v.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Complied Differential pressure measurement is available across bags to detect leakage. Compressed Air puffing arrangement is available for mechanized cleaning.
vi.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Complied For road cleaning, road sweeping machines are deployed. The shop floor and roofs are cleaned regularly.
vii.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.	Complied All the iron ore fines, coal and coke fines, lime fines and such other fines are reused in the sinter plant to produce sinter.

viii.	The project proponent uses leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Raw material carrying trucks are covered with tarpaulin.
ix.	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).	Wharf of coke is enclosed with parapet wall on two sides. Feed end is connected to settling pond whereas discharge end on conveyor feeding to screening plant. Coke from wharf is directly taken on conveyor lined with side skirting.
x.	Land-based APC system shall be installed to control coke pushing emissions.	Hoods lined with pyro-block modules are provided on hot coke car for control of emissions.
xi.	Monitor CO, HC and O2 in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	Our coke oven batteries are non-recovery type working under negative pressure, hence, there is no Coke Oven Flue Gas (COFG) leakages from coke oven process.
xii.	Wind shelter fence and chemical spraying shall be provided on the raw material stockpiles.	Windshield has been provided at the boundary of the plant. There are rain guns provided in the raw material yard for sprinkling of water to prevent generation of fugitive dust.
xiii.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Tunnels are not present at our plant. For motor houses and oil storage rooms, proper ventilation system has been provided.
III	Water quality monitoring and preservation	
i	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time 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 Environment (Protection) Act, 1986 or NABL accredited laboratories.	Continuous Effluent Monitoring Systems are present at our plant and are connected to GSPCB and CPCB.
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Ground water quality is monitored twice a year, pre-monsoon, and post-monsoon. Ground water quality monitoring was done in the surrounding villages i.e. Amona, Navelim and Maina in the month of May'24(premonsoon) and October'24 as a part of post monsoon ground water study. Annexure X: Pre and Post monsoon groundwater quality analysis.

iii.	The project proponent shall provide the ETP for coke oven to meet the standards prescribed in G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time as amended from time to time;	Our coke oven batteries are non-recovery type coke ovens where entire water used for coke quenching is recycled back to process after passing through settling ponds.
iv.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	New Sewage Treatment Plant (STP) of 30KLD is installed for treatment of domestic wastewater.
v.	Garland drains and collection pits shall be provided for each stockpile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Garland drains and catch ponds have been made along the stockpiles to prevent water pollution during rainy season.
vi.	Tyre washing facilities shall be provided at the entrance of the plant gates.	Wheel washing system is installed at the entrance of our plant.
vii.	Water meters shall be provided at the inlet to all unit processes in the steel plants.	Water meters have been installed at the inlet of all the processes.
IV	Noise monitoring and prevention	
i.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Complied Noise pollution is monitored once every three months. Attaching Annexure XI : Noise monitoring reports.
V	Energy Conservation measures:	
i.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	In current operations, metal is getting covered with insulation compound and hot metal is not transferred to longer distances, and it is poured into the pig casting machine. Hence, torpedo ladle is not required.
ii.	Restrict Gas flaring to < 1%.	Gas flaring restricted to <1% shall be implemented, except for during any power plant shutdown. Flaring data is also tracked on daily basis so that any issue arising will be tracked and rectified immediately.
iii.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, streetlights, parking around project area and maintain the same regularly;	Solar power generation system of 100 KW installed at unit. However, the entire power used at the unit is internally generated through Waste Heat Recovery Power Plants.
iv.	Provide LED lights in their offices and residential areas.	Noted. LED lights are provided.
v.	Ensure installation of regenerative/recuperative type burners on all reheating furnaces.	Reheating furnaces are not present at our plant hence, regenerative type burners are not required to be installed.

VI	Waste management	
i.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.	Oil collection pits have been provided in oil storage rooms to collect and reuse/recycle spilled oil.
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Kitchen waste is treated in a composting unit and is recycled for further use.
VII	Green Belt	
i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.	GHG emissions inventory is prepared for the plant. As a part of GHG reduction program we have done installation of free EV charging station at Navelim for employees & community, Biodiesel usage for heating ovens, Reduction in total carbon bearing material in blast furnaces through process optimization and oxygen enrichment, Energy audit at plant and annual plantation program in surrounding villages
VII I	Public hearing and Human health issues	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan is implemented.
ii.	ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.	Heat Stress study is part of our hygiene study which is conducted once every two years. Recently we carried out a heat stress study and attached for reference Annexure XII: Heat stress report
iii.	iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Occupational health surveillance is done annually.
IX	Environment Management	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.	Noted.
ii.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe 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 a defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake	The company has a Health, Safety and Environment policy in place. We are ISO 14000:2015 certified (Environment Management System). Also, there is a system in place for tracking and reporting of all the statutory compliances.

	holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of a senior Executive, who will directly to the head of the organization.	Separate Environment cell exists both at project as well as head quarter. Separate budget is allocated towards environmental measures at site.
X	Miscellaneous	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied. Advertisement regarding grant of EC has been published on 30th January 2022 in two local newspapers: Bhaangarbhuin, in Konkani language and The Goan in English language. Copies of newspaper advertisement were sent with the 1st compliance report for period of October'2021 to March'2022. Environmental Clearance has also been displayed on company's website https://sesagoairnore.com/ under Sustainability section.
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. Copies of environmental clearance were submitted to local bodies including Panchayats and Municipal councils.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied. Six-monthly EC Compliance status report is submitted to MoEF&CC, CPCB & GSPCB. The same is uploaded on company's website https://sesagoairnore.com/ under Sustainability section.
iv.	The project proponent shall monitor the criteria pollutants level namely, PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Complied. Ambient air monitoring and stack emission monitoring is done at the plant site and the results are being displayed continuously on the digital display boards installed at our gates.
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied. Six-monthly EC Compliance status report is submitted to MoEF&CC, CPCB & GSPCB.
vi.	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	Complied. Yearly Environmental Statement in Form-V is submitted to the Goa State Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986 and is uploaded on company's website https://sesagoairnore.com/ under Sustainability section.

vii.	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 compliance assured.
viii.	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 compliance assured.
ix.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted and compliance assured.
x.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Noted
xi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
xiii.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted. Full co-operation will be extended.
xiv.	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

Annexure I
Photographs of plantation.

PLANTATION PHOTOS



PLANTATION PHOTOS



PLANTATION PHOTOS

Plantation in Amona and Navelim village areas



PLANTATION PHOTOS



Annexure II
Communications with state forest dept.

Ref No. VAB/ENV/2022-23/42

Date: 27/12/2022

To,

The Office of The Deputy Conservator of Forests,
Wildlife and EcoTourism (North) Division
1st Lift, 4th Floor, Junta House,
Panaji-403 001 Goa

Sub: - Wildlife Conservation Plan for obtaining Environmental Clearance

Reference:

1. Letter no. 1-576/WL&ET(N)/2022-2023/661 dated 02/06/2022 received by us on 15/06/2022.

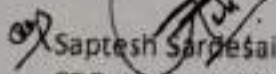
Respected sir,

With respect to the letter received from your good office vide Letter no. 1-576/WL&ET(N)/2022-2023/661 dated 02/06/2022 received by us on 15/06/2022, we are handing over 10 nos of trap cameras w.r.t to compliance Sr.No.4 of providing trap cameras to analyse the movement of wild animals.

Thanking you

Yours faithfully

For Vedanta Limited- Value Added Business


Saptesh Sardesai
CEO- Value Added Business


Despatch Clerk
O/o The Dy. Conservator of Forests
Wildlife & Eco-Tourism (North)
Panaji - Goa

VEDANTA LIMITED

Sesa Goa Iron Ore Sesa Office, 20 EDC Complex, Panaji, Panaji, Goa - 403 001, India
T: +91 9822 246060 | Website: www.sesaminerals.com

Registered Office

Vedanta Limited, 1st Floor, "C" wing, 1st HSE Corporate Avenue, Athi Projects, Chikula, Anjarli Road, Margao-400092, Maharashtra, India
CIN: L32098MH1965PLC291394



GOVERNMENT OF GOA
OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS
WILDLIFE & ECO- TOURISM (NORTH) DIVISION
1ST LIFT, 4TH FLOOR, JUNTA HOUSE,
PANAJI - 403 001 (GOA)

Phone: 0832-2229701/ E mail: dcfwlnorth-forest.goa@nic.in

No.1-576/WL&ET(N)/2022-23

Dated:27/12/2022

RECEIPT

Received 10 nos. of trap cameras alongwith Safety Cases, 32 GB Memory Card & Duracell Batteries under Wildlife Conservation Plan for obtaining Environmental Clearance to analyse the movement of wild animals from Vedanta Limited, Sesa Goa Iron Ore : Sesa Ghor, 20 EDC Complex, Patto Panaji vide letter no.VAB/ENV/2022-23/42 dated 27/12/2022.

(Anand S. Jadhav)
Dy. Conservator of Forests
Wildlife & Eco-Tourism (N)



GOVERNMENT OF GOA
OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS
WILDLIFE & ECO- TOURISM (NORTH) DIVISION
1ST LIFT, 4TH FLOOR, JUNTA HOUSE,
PANAJI - 403 001 (GOA)

Phone: 0832-2229701/ E mail: dcfwlnorth-forest.goa@nic.in

No.1-576/WL&ET(N)/2022-23

Dated:10/02/2023

RECEIPT

Received 15 nos. of trap cameras alongwith Safety Cases, 32 GB Memory Cards & Duracell Batteries and assistance for celebration of Wildlife Week '2023 under Wildlife Conservation Plan from Vedanta Limited, Sesa Goa.


(Anand S. Jadhav)

Dy. Conservator of Forests
Wildlife & Eco-Tourism (N)

Letter No: VAB/ENV/23-24/23

Date:18/10/2023

To,

The Deputy Conservator of Forest – Wild Life North
Wildlife and EcoTourism (North) Division
1st Lift,4th Floor,Junta House,
Panaji-403 001 Goa

Sub: - Implementation of approved Wildlife Conservation Plan

Reference:

1. Your letter numbered 1-576/WL&ET(N)/2022-2023/1131 dated 04/07/2023

Respected Sir,

We are sharing herewith the final proposal for rescue van with detail specification for your approval.

1. Vehicle Offer :

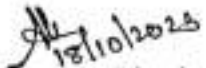
<u>S.No.</u>	<u>Details</u>	<u>Value in Rupees</u>
1.	SML ISUZU Cabin Chassis Prestige 4WD on 3365 Wheel Base With Power Steering BS VI	19,64,844.00
2.	GST @ 28%	5,50,156.00
Total		25,15,000.00
Terms and Conditions : <ol style="list-style-type: none">1. TCS @ 1% extra on above offered price.2. Price is valid till 30th July 2023.3. 100% payment advance along with Purchase Order.4. Delivery 2 to 4 weeks from date of confirm order.5. Other conditions as mentioned in the product catalogue.		

VEDANTA LIMITED

Sesa Goa Iron Ore, Sesa Ghor, 20 EDC Complex, Patto, Panaji, Goa - 403 001, India
T : +91 0832 2460600 - Website: www.sesagoanormine.com

Regional Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, And Projects, Chokala, Andhra (East), Mumbai 400093, Maharashtra, India

CIN: L13209MH1965PI C291394


18/10/2023
Despatch Clerk
O/o The Dy. Conservator of Forests
Wildlife & Eco-Tourism (North)
Panaji - Goa

2. Vehicle Fabrication Charges

S.No.	Details	Value in Rupees
1.	Fabrication of "Animal Rescue Vehicle" similar to the existing vehicles supplied by the SML-ISUZU Limited to "VAN VIHAR" Bhopal the past with additional improvements. Features : <ol style="list-style-type: none"> Animal Cabin area with improved insulation for better cooling. Overhead Luggage carrier with equipment box. Ladder for easy access to top of the cabin. Foldable seats for 4 persons with steel frame and improved cushioning. Stainless Steel Wash basin with Tap. Overhead Water tank of 60 Litre capacity. Refrigerator for medicine supplies and Ice packs. Stainless Steel Counter Top with cupboard for supplies and equipment. Water Spray nozzle for humidity control inside cabin. 1.5 Ton Air conditioner unit for extra cooling inside the cabin. Positive locking of cage on floor to avoid jumping of cage during movements. Extra strengthening with 6 angle sections for the floor of cabin. One tower bolt in the tool box with Emergency gate. Fully automatic Cage retrieval mechanism along with automatic door closing. Top mounted rear CCTV Camera with display unit near driver. Flood light facility for rear loading door. 	17,26,000.00
2.	GST @ 18%	3,10,680.00
Total		20,36,680.00

Terms and Conditions :

- Delivery of completed vehicle as per above specs shall be 8-12 weeks from date of receipt of 4WD Cabin Chassis.
- TCS @ 1 % extra on above price.
- 50% payment advance along with Purchase Order.
- Balance payment after delivery and sign off of fully fabricated vehicle.
- Delivery charges of Rs. 45,000/- at site in Goa.
- Offer valid for 60 days from date of quotation.
- Colour scheme to be finalized at the time of delivery.
- Promotion signages shall be in the form of Stickers and payable at actuals.
- After receipt of clear purchase order, we shall submit detail drawings with a 3D presentation for better understanding of the user within a week.**

VEDANTA LIMITED

 Sesa Goa Iron Ore, Sesa Ghāt, 20 ESK Complex, Patto, Panaji, Goa - 403 001, India
 T: +91 832 260000 | Website: www.sesagoaironore.com

 Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Atal Projects, Chokala, Andheri (East), Mumbai 400093, Maharashtra, India
 CIN: L13299MH1965PLC291394

10. We expect an official sign off from the concern user in presence of your representatives for positive acceptance of the vehicle.
 11. Vehicle RTO and Insurance charges extra at actuals.

Total Price of the Rescue vehicle	Rs. 45,51,680.00
--	-------------------------

3. CAGE Fabrication Charges

Cage specifications and price	
Details	Price
Cage Specifications : 1. 7'4" (L) X 3'2" (B) X 3'7" (H) 2. Floor 2 mm MS Chequered Plate 3. Side Sheet 1.6 mm 4. Two Ventilator and one sliding door. 5. MS Bars of 16 mm 6. Industry quality Hard PVC Wheels.	Rs. 1,35,000.00
GST @ 18 %	Rs. 24,300.00
Total Price	Rs. 1,59,300.00
Total price for rescue van, vehicle fabrication and cage fabrication	Rs. 4710980

Request your good office to please confirm on the specification provided above in order to process the offer.

Thanking you,

Yours faithfully,
 For Vedanta Limited



Saptesh Sardesai
 CEO Value Added Business & Sesa Cement
 Vedanta Ltd

VEDANTA LIMITED

Sesa Goa Iron Ore, Sesa Ghor, 20 EDC Complex, Pata, Panaji, Goa - 403 001, India
 T : +91 9832 240000 | Website: www.sesagoironore.com

Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, And Projects, Chakala, Andheri (East), Mumbai-400093, Maharashtra, India
 CIN: L13209MH199659PLC291394



GOVERNMENT OF GOA
OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS
WILDLIFE & ECOTOURISM (NORTH) DIVISION
1ST LIFT, 4TH FLOOR, JUNTA HOUSE,
PANAJI - 403 001 (GOA)

Phone: 0832-2229701/ Fax: 0832-2422864

E mail: dcfnorth-forest.goa@aic.in

No. 1-576-WL&ET(N)/2023-2024/2828

Dated: - 05 /11/2023

Kartika 12, 1945

To,
The CEO,
Value Added Business & Sesa Cement,
Vedanta Limited,
Sesa Ghor, 20 EDC Complex,
Patto, Panjim-Goa.

Sub: Implementation of approval Wildlife Conservation Plan- reg...


Ref.: No: VAB/ENV/23-24/23 dated. 18/10/2023.

Sir,

With reference to the subject and letter cited above, this is to inform that this office is in agreement to the details of Rescue Van proposed along with specifications mention thereof and the same has been approved.

You are kindly requested to complete the procurement process early basis.

Yours faithfully,


(Anand S. Jadhav, IFS)
Dy. Conservator of Forests
Wildlife & Eco-Tourism (N)
Panaji-Goa.

"ATMANIRBHAR BHARAT"
"SWAYAMPURNA GOA"

RE: Rescue Van Drawing Approval

Prachi Kudrekar
 To: DCPW/Urban
 Cc: Virendra Karpurkar, Soham Mishra, Dipesh Sarbani
 Bcc: Prachi Kudrekar
 Public: OFF

Reply Reply All Forward

Sr.

With respect to Wildlife management plan Approval letter No. 1-076(PART/WL/SET/IN/2021-2022/004 dated 18/05/2021) of Value Added Business of Verdana Ltd located at Amara - Navim Gao and your trailing mail dated 15/02/2024, below is the vendor response against each point asked towards additional utilities for the rescue van. The estimate for the fabrication of Storage bins, 35 First Aid Box, Other Provisions for Storage and Ceiling reinforcement will be approximately 92k plus GST 18% which will be charged additionally and will be taken from line item no. 10 establishment of waterholes for wildlife in the buffer area or other item whose amount is available from approved wildlife management plan hence kindly confirm if we need to proceed with the implementation.

Sr. No	Requirement	Type	Remarks from M/s/est
1.	Provision for storing Nylon nets used in animal restraint there will be three sets of nets of three different dimension weighing about 100 kg	Storage can be of metal type within the cage of rescue van	The said provision can be incorporated in the structure.
2.	Provision for stacking First Aid Box / Veterinary and First aid box for human use. Each box size is 60 cm x 40 cm x 40 cm size	Metallic storage cabinet with locking mechanism.	The said cabinet can be carried out of wood or SS, and will be hanged inside the body for ease of accessibility.
3.	Collapsible racks three tier on side ways for storing Rescue equipment like restraint poles, y tongs, jab sticks etc.	Metallic pipe type or aluminium pipe type collapsible racks on side of crates inside.	Will require the dimensions of the equipment which is needed to be kept in the vehicle.
4.	Extra height luggage carrier on top to be used as Markan or raise platform for darting problematic animal from safe location.	Metallic type	Included in fabrication for Point 6.
5.	Proper drain for inside of crate in rescue van for draining urine and washing inside of crate. With 10 litre plastic or fibre collection bin.	PVC type with Attached barrel for collection bin type.	Already included in the design.
6.	Crate ceiling top surface to be flat and reinforced from bottom so as to allow staff to stand or sit on top of roof of vehicle while darting animal.	Metallic concealed reinforcement from bottom of crate top	Can be done with a collapsible railing for security and stability of the staff.

Ref.No.: VAB/ENV/24-25/29

Date: 15/10/2024

To,
The Deputy Conservator of Forest – Wild Life North
Wildlife and EcoTourism (North) Division
1st Lift, 4th Floor, Junta House,
Panaji-403 001 Goa

Sub: Implementation of approved Wildlife Conservation Plan

Reference:

1. Approved Wild life conservation plan (WLCP) vide letter no.1-576(PART)WL&ET(N)/2021-2022/554 dated 28/05/2021
2. Your letter numbered 1-576/WL&ET(N)/2022-2023/661 dated 02/06/2022 Jyaistha 12,1944 received by our office on 15/06/2022
3. Your letter numbered 1-576/WL&ET(N)/2023-2024/4472 dated 16/02/2024 Magha 27,1945 received by our office on 22/02/2024

Respected Sir,

With reference to the above letter numbers, we would like to inform your good office that the below activities/items requested as per the WLCP are handed over to your good office for FY 2024-25. The complete details of the same are mentioned as below:

Sr.No as per WLCP	Plan of operations	Cost	Date of handover	Remarks
1	Establishment of water holes for wildlife in the buffer area FY 22-23,23-24	8,00,000	10/07/2024	Amount credited to vendor Hajrat Ali Nanesab Badgi RTGS Dr-BARBOPONDAX-Hajrat Ali Nanesab Badgi-CBX Internet-HDFCR52024071073842346-C76718100724104759

VEDANTA LIMITED

Value Added Business, Pig Iron Division, Assosa, PO Marceta, Goa-403 107
T +91-832 641 2100 | F +91-832 238 5235 288 | Web: www.sesa.goa.vedanta.com

Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, And Projects, Chakala, Andheri (East), Mumbai-400095, Maharashtra, India.
CIN: L13209MH1965PLC291194

16/10/2024
Despatch Clerk
O/o The Dy. Conservator of Forests
Wildlife & Eco-Tourism (North)
Goa - 008

2	Providing rescue van to Forest department	4,670,000	05/07/2024	Rescue van along with rescue cage handed over to Forest department
3	Providing rescue cages and rescue equipment's to the forest department			
6	Financial support to the department for celebrating wildlife week and sponsoring the prizes for the competitions	3,00,000	03/07/2024	NEFT - FDRL0001352 - C77205020724142929 - - 13520200007161 - SMC EVENTS NEFT - FDRL0001352 - C77206020724142930 - - 13520200007146 - MECH TECH EVENTS
Total amount		57,70,000/-		

We request your good office to kindly acknowledge the same.

Thanking you,

Yours faithfully,

For Vedanta Limited – Value Addition Business


Saptesh Sardesai

CEO - Value added Business & Cement

VEDANTA LIMITED

Value Added Business, Pig Iron Division, Arizona, PO Mircela, Goa-403 107
T +91-832 641 2160 | F +91-832 238 5235 288 | Web: www.vedantalimited.com

Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Anul Projects, Chakala, Andheri (East), Mumbai 400093, Maharashtra, India.
CIN: L13209MH1965PLC291394

Annexure III
Performance test reports.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100081

EFFICIENCY REPORTS OF BF – 1 BAG HOUSE – PIG IRON DIVISION - 1					
1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa		
3.	Sample Location	:	BF - 1 Bag House - Pig Iron Division - I (Capacity – 80.000)		
4.	Date of Sampling	:	05.10.2024	Sampling Time	10.00 AM to 10.50 AM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	30
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		
Report Date : 10.11.2024					

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	414/10240033/10240034	412/10240035/10240036
Stack Diameter (m)	1.85	1.85
Shape	Round	Round
Temperature of flue gas (°C)	46.0	42.85
Flue Gas Velocity (m/s)	11.97	12.29
Flue Gas Discharged (Nm ³ /hr)	98190.7	100815.75

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	712.6	7.25	99.0 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)

Recognized through NABL
accreditation ISO/IEC
17025:2017, Certification No:
13926, Validity from 20.06.2024
to 19.06.2026



TC-13926

“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main,
1st Cross, BTM Layout II Stage, Behind Central Silk Board
Bengaluru – 560068, Karnataka, India, Telefax:
+91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100082

EFFICIENCY REPORTS OF BF – 2BAG HOUSE – PIG IRON DIVISION - 1					
1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona,Navelim, Bicholim - Goa		
3.	Sample Location	:	BF - 2 Bag House - Pig Iron Division - I (Capacity – 95,000)		
4.	Date of Sampling	:	28.10.2024	Sampling Time	10.00 AM to 10.40 AM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	31
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		
Report Date : 10.11.2024					

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	427/10240155/10240156	428/10240157/10240158
Stack Diameter (m)	2.0	2.0
Shape	Round	Round
Temperature of flue gas (°C)	38.2	43.6
Flue Gas Velocity (m/s)	12..36	12.25
Flue Gas Discharged (Nm3/hr)	121272	122978

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	781.0	9.7	98.7 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)



TC-13926

Recognized through NABL accreditation ISO/IEC 17025:2017, Certification No: 13926, Validity from 20.06.2024 to 19.06.2026

“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main, 1st Cross, BTM Layout II Stage, Behind Central Silk Board Bengaluru – 560068, Karnataka, India, Telefax: +91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100083

EFFICIENCY REPORTS OF LDC - BAG HOUSE – PIG IRON DIVISION – I					
1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa		
3.	Sample Location	:	LDC - Bag House - Pig Iron Division – I (Capacity – 1,15,000)		
4.	Date of Sampling	:	08.10.2024	Sampling Time	12.30 PM to 01.10 PM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	21
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		
Report Date : 10.11.2024					

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	440/10240161/10240162	425/10240163/10240164
Stack Diameter (m)	1.4	1.4
Shape	Round	Round
Temperature of flue gas (°C)	31.5	37.6
Flue Gas Velocity (m/s)	10.83	12.91
Flue Gas Discharged (Nm ³ /hr)	53299	62310

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	758.8	5.35	99.30 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)

Recognized through NABL
accreditation ISO/IEC
17025:2017, Certification No:
13926, Validity from 20.06.2024
to 19.06.2026



TC-13926

“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main,
1st Cross, BTM Layout II Stage, Behind Central Silk Board,
Bengaluru – 560068, Karnataka, India, Telefax:
+91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100084

EFFICIENCY REPORTS OF MCD I&II BAG HOUSE OF COKE SCREENING PLANT - I

1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa		
3.	Sample Location	:	MCD I & II, Bag House of Coke Screening Plant - I (Capacity - 81,000)		
4.	Date of Sampling	:	07.10.2024	Sampling Time	10.00 AM to 10.40 AM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	16.81
7.	Instrument used	:	Eco Tech Instruments - MLPL/INS/088		

Report Date : 10.11.2024

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	435/10240051/10240052	417/10240053/10240054
Stack Diameter (m)	1.25	1.25
Shape	Round	Round
Temperature of flue gas (°C)	48	38.8
Flue Gas Velocity (m/s)	13.00	12.2
Flue Gas Discharged (Nm ³ /hr)	48382	46678

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	656.7	5.95	99.2 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)

Recognized through NABL
accreditation ISO/IEC
17025:2017, Certification No:
13926, Validity from 20.06.2024
to 19.06.2026



TC-13926

“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main,
1st Cross, BTM Layout II Stage, Behind Central Silk Board,
Bengaluru - 560068, Karnataka, India, Telefax:
+91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100085

EFFICIENCY REPORTS OF MCD I&II BAG HOUSE OF COKE SCREENING PLANT – II & SCREENING TOWER - 1

1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa		
3.	Sample Location	:	MCD I & II, Bag House of Coke Screening Plant – II & Screening Tower – I (Capacity – 29.000)		
4.	Date of Sampling	:	07.10.2024	Sampling Time	12.40 PM to 01.20 PM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	17.5
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		

Report Date : 10.11.2024

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	432/10240057/10240058	418/10240059/10240060
Stack Diameter (m)	0.8	0.8
Shape	Round	Round
Temperature of flue gas (°C)	36.2	42.95
Flue Gas Velocity (m/s)	12.33	12.30
Flue Gas Discharged (Nm ³ /hr)	19418	19026

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	456.3	5.25	98.8 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)

Recognized through NABL accreditation ISO/IEC 17025:2017, Certification No: 13926, Validity from 20.06.2024 to 19.06.2026



TC-13926

“PRAKRUTI BHAVAN,” #200, 1st & 2nd Floor, 40th Main, 1st Cross, BTM Layout II Stage, Behind Central Silk Board, Bengaluru – 560068, Karnataka, India, Telefax: +91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100086

EFFICIENCY REPORTS OF MCD I&II BAG HOUSE OF COKE SCREENING PLANT – II & SCREENING TOWER - II				
1.	Name of the Project	:	M/S Vedanta Limited	
2.	Customer Address	:	Amona,Navelim, Bicholim - Goa	
3.	Sample Location	:	MCD I &II ,Bag House of Coke Screening Plant – II & Screening Tower – II (Capacity – 54,500)	
4.	Date of Sampling	:	07.10.2024	Sampling Time 03.10 PM to 03.50 PM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period 10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m) 19.94
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088	
Report Date : 10.11.2024				

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	433/10240063/10240064	421/10240067/10240068
Stack Diameter (m)	1.1	1.1
Shape	Round	Round
Temperature of flue gas (°C)	48.2	45.97
Flue Gas Velocity (m/s)	12.41	12.61
Flue Gas Discharged (Nm3/hr)	35744	36606

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	523.3	7.15	98.7 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, **Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.**

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)

Recognized through NABL accreditation ISO/IEC 17025:2017, Certification No: 13926, Validity from 20.06.2024 to 19.06.2026



“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main, 1st Cross, BTM Layout II Stage, Behind Central Silk Board, Bengaluru – 560068, Karnataka, India, Telefax: +91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100087

EFFICIENCY REPORTS OF MCD I&II BAG HOUSE OF COKE SCREENING PLANT – II & SCREENING TOWER - III					
1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona,Navelim, Bicholim - Goa		
3.	Sample Location	:	MCD I &II ,Bag House of Coke Screening Plant – II & Screening Tower – III (Capacity – 30,000)		
4.	Date of Sampling	:	07.10.2024	Sampling Time	05.20 PM to 06.00 PM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	22.78
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		
Report Date : 10.11.2024					

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	426/10240069/10240070	419/10240071/10240072
Stack Diameter (m)	0.8	0.8
Shape	Round	Round
Temperature of flue gas (°C)	40.0	43.25
Flue Gas Velocity (m/s)	12.5	12.74
Flue Gas Discharged (Nm ³ /hr)	20389	19716

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	493.7	6.6	98.7 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)

Recognized through NABL accreditation through ISO/IEC 17025:2017, Certification No: 13926, Validity from 20.06.2024 to 19.06.2026



“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main, 1st Cross, BTM Layout II Stage, Behind Central Silk Board, Bengaluru – 560068, Karnataka, India, Telefax: +91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100088

EFFICIENCY REPORTS OF BAG HOUSE OF CAST HOUSE BLAST FURNACE – III PIG IRON DIVISION - II				
1.	Name of the Project	:	M/S Vedanta Limited	
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa	
3.	Sample Location	:	Bag House of Cast house Blast Furnace – III, Pig Iron Division – II (Capacity – 35,0600)	
4.	Date of Sampling	:	08.10.2024	Sampling Time 10.00 AM to 10.40 AM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period 10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m) 30
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088	
Report Date : 10.11.2024				

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	439/10240167/10240168	406/10240169/10240072
Stack Diameter (m)	2.8	2.8
Shape	Round	Round
Temperature of flue gas (°C)	44.5	43.2
Flue Gas Velocity (m/s)	11.93	12.15
Flue Gas Discharged (Nm ³ /hr)	225235	231088

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	487.9	6.4	98.8 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)

Recognized through NABL accreditation ISO/IEC 17025:2017, Certification No: 13926, Validity from 20.06.2024 to 19.06.2026



TC-13926

“PRAKRUTI BHAVAN,” #200, 1st & 2nd Floor, 40th Main, 1st Cross, BTM Layout II Stage, Behind Central Silk Board, Bengaluru – 560068, Karnataka, India, Telefax: +91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

T TEST REPORT

E

No. 2024100089

EFFICIENCY REPORTS OF BAG HOUSE OF STOCK HOUSE BLAST FURNACE – III - PIG IRON DIVISION - II				
1.	Name of the Project	:	M/S Vedanta Limited	
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa	
3.	Sample Location	:	Bag House of Stock house Blast Furnace - III - Pig Iron Division – II (Capacity – 32,0610)	
4.	Date of Sampling	:	08.10.2024	Sampling Time 12.30 PM to 01.10 PM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period 10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m) 30
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088	

Report Date : 10.11.2024

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	411/10240173/10240174	408/10240175/10240176
Stack Diameter (m)	2.8	2.8
Shape	Round	Round
Temperature of flue gas (°C)	34	36.7
Flue Gas Velocity (m/s)	12.13	12.19
Flue Gas Discharged (Nm ³ /hr)	237429	236328

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	418.1	7.5	98.2 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)



Recognized through NABL
accreditation ISO/IEC
17025:2017, Certification No:
13926, Validity from 20.06.2024
to 19.06.2026

“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main,
1st Cross, BTM Layout II Stage, Behind Central Silk
Board, Bengaluru – 560068, Karnataka, India, Telefax:
+91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TESTTEST

No. 2024100090

EFFICIENCY REPORTS OF HEAD ESP – PIG IRON DIVISION - II

1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona,Navelim, Bicholim - Goa		
3.	Sample Location	:	Head ESP - Pig Iron Division – II (Capacity – 4,50,000)		
4.	Date of Sampling	:	09.10.2024	Sampling Time	10.00 AM to 10.40 AM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	-	Stack Height (m)	100
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		
Report Date : 10.11.2024					

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	409/10240179/10240180	407/10240181/10240182
Stack Diameter (m)	6.8	6.8
Shape	Round	Round
Temperature of flue gas (°C)	41.5	38.85
Flue Gas Velocity (m/s)	12.53	12.27
Flue Gas Discharged (Nm ³ /hr)	1407654	1393766

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	782.4	6.5	99.30 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)



Recognized through NABL accreditation ISO/IEC 17025:2017, Certification No: 13926, Validity from 20.06.2024 to 19.06.2026

“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main, 1st Cross, BTM Layout II Stage, Behind Central Silk Board, Bengaluru – 560068, Karnataka, India, Telefax: +91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100091

EFFICIENCY REPORTS OF SINTER TAIL ESP – PIG IRON DIVISION - II

1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa		
3.	Sample Location	:	Sinter Tail ESP - Pig Iron Division - II (Capacity – 2,47,200)		
4.	Date of Sampling	:	09.10.2024	Sampling Time	12.30 PM to 01.30 PM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	30
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		
Report Date : 10.11.2024					

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	404/10240185/10240186	413/10240187/10240188
Stack Diameter (m)	2.7	2.7
Shape	Round	Round
Temperature of flue gas (°C)	48.2	40.1
Flue Gas Velocity (m/s)	12.41	12.30
Flue Gas Discharged (Nm ³ /hr)	245832	219490

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	652.3	5.8	99.2 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)



TC-13926

Recognized through NABL
accreditation ISO/IEC
17025:2017, Certification No:
13926, Validity from 20.06.2024
to 19.06.2026

“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main,
1st Cross, BTM Layout II Stage, Behind Central Silk
Board, Bengaluru – 560068, Karnataka, India, Telefax:
+91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100092

EFFICIENCY REPORTS OF SINTER SCREENING BAG HOUSE OF SINTER PLANT – PIG IRON DIVISION - II

1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa		
3.	Sample Location	:	Sinter Screening Bag House of Sinter Plant - Pig Iron Division - II (Capacity – 2,45,900)		
4.	Date of Sampling	:	09.10.2024	Sampling Time	02.50 PM to 03.30 PM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	30
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		
Report Date : 10.11.2024					

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	420/10240191/10240192	410/10240193/10240194
Stack Diameter (m)	2.5	2.5
Shape	Round	Round
Temperature of flue gas (°C)	38.2	39.4
Flue Gas Velocity (m/s)	12.00	12.12
Flue Gas Discharged (Nm ³ /hr)	183911	190005

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	603.4	5.35	99.1 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, **Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.**

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD
(NEELAKANDAN)

Recognized through NABL
accreditation ISO/IEC
17025:2017, Certification No:
13926, Validity from 20.06.2024
to 19.06.2026



“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main,
1st Cross, BTM Layout II Stage, Behind Central Silk Board
Bengaluru – 560068, Karnataka, India, Telefax
+91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100093

EFFICIENCY REPORTS OF PROPORTIONING BIN BAG HOUSE SINTER PLANT – PIG IRON DIVISION - II					
1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa		
3.	Sample Location	:	Proportioning Bin Bag House Sinter Plant - Pig Iron Division – II (Capacity – 2,16,900)		
4.	Date of Sampling	:	09.10.2024	Sampling Time	05.00 PM to 05.40 PM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	30
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		
Report Date : 10.11.2024					

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	403/10240197/10240198	416/10240199/10240200
Stack Diameter (m)	2.5	2.5
Shape	Round	Round
Temperature of flue gas (°C)	42	48.2
Flue Gas Velocity (m/s)	12.41	12.29
Flue Gas Discharged (Nm ³ /hr)	188111	183044

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	586.3	6.25	99.0 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, **Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.**

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)

Recognized through NABL accreditation ISO/IEC 17025:2017, Certification No: 13926, Validity from 20.06.2024 to 19.06.2026



TC-13926

“PRAKRUTI BHAVAN,” #200, 1st & 2nd Floor, 40th Main, 1st Cross, BTM Layout II Stage, Behind Central Silk Board, Bengaluru – 560068, Karnataka, India, Telefax: +91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

thought.....process.....reality!!

TEST REPORT

No. 2024100094

EFFICIENCY REPORTS OF FLUX & FUEL BAG HOUSE OF SINTER PLANT – PIG IRON DIVISION - II					
1.	Name of the Project	:	M/S Vedanta Limited		
2.	Customer Address	:	Amona, Navelim, Bicholim - Goa		
3.	Sample Location	:	Flux & Fuel Bag House of Sinter Plant - Pig Iron Division – II (Capacity – 1,13,3000)		
4.	Date of Sampling	:	09.10.2024	Sampling Time	10.00 AM to 10.40 AM
5.	Date of Sample Receipt	:	10.10.2024	Analysis Period	10.10.2024 to 15.10.2024
6.	Sample Code	:	--	Stack Height (m)	30
7.	Instrument used	:	Eco Tech Instruments – MLPL/INS/088		
Report Date : 10.11.2024					

SAMPLING DETAILS

Sample Details	Inlet	Outlet
Sample Code	429/10240203/10240204	437/10240205/10240206
Stack Diameter (m)	1.62	1.62
Shape	Round	Round
Temperature of flue gas (°C)	38.2	36.3
Flue Gas Velocity (m/s)	12.25	12.19
Flue Gas Discharged (Nm ³ /hr)	78910	79115

ANALYSIS REPORT

PARAMETER	RESULT		Operating Efficiency %	Methods	Unit
	Inlet	Outlet			
Particulate Matter (TPM / SPM)	506.3	6.45	98.9 %	IS: 11255 (Part 1)	mg / Nm ³

NS = Not Specified, Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	As per CPCB Standards, Report Status:- All values are within the stipulated limits.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bangalore

End of Report

Authorized Signatory

LABORATORY HEAD

(NEELAKANDAN)

Recognized through NABL
accreditation ISO/IEC
17025:2017, Certification No:
13926, Validity from 20.06.2024
to 19.06.2026



TC-13926

“PRAKRUTI BHAVAN,” #200, 1st& 2nd Floor, 40th Main,
1st Cross, BTM Layout II Stage, Behind Central Silk Board,
Bengaluru – 560068, Karnataka, India, Telefax:
+91.80.26783006 Email: mail@metamorphosis-india.com.



An ISO 9001:2015
OHSAS 45001:2018

METAMORPHOSISSM

LABORATORY PRIVATE LIMITED

————— *thought.....process.....reality!!*

Annexure IV

**Ambient air monitoring reports of archaeological sites from April'24 to
September'24**



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018.
 Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
 Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
 Customer Care No.: +919225247365
 Web : www.shreejiagua.com • Email: info@shreejiagua.com

An ISO 9001:2015
 Certified Company
 ISO 45001 : 2018



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL. Valid Up to 07/05/2024
 ULR NO: TC70422400008955F

TEST REPORT

Lab Inward No. : SL/24-25/04/MWZ/114aam	Date of Sampling: 18-19/04/2024
Client Name : M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.	Start of analysis: 20/04/2024
	End of Analysis: 25/04/2024
	Report Date: 25/04/2024
	Sample Drawn By: SATPL Representative on 18-19/04/2024

Order / Reference: As per TRF dated 18/04/2024

Monitoring For: Ambient Air Monitoring

Sampling Procedure: As per IS 5182

Limits: *N.A.A.Q.S.-National Ambient Air Quality Standards.

Sampling Location: Near Mosque, Surla (N15° 29'51.67104" E74° 01'7.04532")

Lateral Distance: 10.0 meter

Duration: 24 Hrs.

Receptor Height: 3.0 meter

Time : 11:30 am to 11:30 am

Relative humidity [%]: 78

Ambient Temperature [°C]: 28.4

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	12.27	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	42.03	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	19.96	<50.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.
 ** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
 *** Hourly Value

Disclaimer: *Information is supplied by customers represented in italic font*

Verified By,

For Shreeji Aqua Treatment Pvt.Ltd.

Sr. Analyst



Managing Director
 Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Landapsura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejaqua.com • Email: info@shreejaqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024
ULR NO: TC704224000008955P

TEST REPORT

Lab Inward No. : SL/24-25/04/MWZ/114aam	Date of Sampling: 18-19/04/2024
Client Name : M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.	Start of analysis: 20/04/2024
	End of Analysis: 25/04/2024
	Report Date: 25/04/2024
Sample Drawn By: SATPL Representative on 18-19/04/2024	
Order / Reference: As per TRF dated 18/04/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Mosque, Surla (N15° 29'51.67104" E74° 01'7.04532")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 78	Ambient Temperature [°C] : 28.4

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.20	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo(a)Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB Guideline volume-1:2012
12	Nickel (Ni)	<6.0	<20.0**	ng/m ³	IS 5182(Part-26):2020

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
*** Hourly Value

Disclaimer: Information is supplied by customers represented in italic font

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
121122100	Fine ParticulateSampler	SATPL/AIR/FPM/02	FF03217	16/03/2024	15/03/2025
1175R1 1B-DT-01023	Respirable Dust Sample	SATPL/AIR/RDS/01	ET03211	16/03/2024	15/03/2025
450-DTC-13	Gaseous Attachment Sample	SATPL/AIR/RDS/01-A	FF03219	16/03/2024	15/03/2025
556277	Digital ElectronicBalance -	SL/SMB/41	uu23-24031s122-57	19/03/2024	18/03/2025
NA	Digital Spectrophotometer Model	SL/UV/34	*****	Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Managing Director
Authorized Signatory

—End of Test Report—

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Fmprl, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savl, Lamsdapura, 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chkhak, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com * Email: info@shreeji-aqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

Lab Inward No. : SL/24-25/05/MAA/201G		Date of Sampling: 17-18/05/2024			
Client Name : M/s. VEDANTA LIMITED		Start of analysis: 19/05/2024			
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.		End of Analysis: 22/05/2024			
		Report Date: 22/05/2024			
		Sample Drawn By: SATPL Representative on 17-18/05/2024			
Order / Reference: As per TRF dated 17/05/2024					
Monitoring For: Ambient Air Monitoring					
Sampling Procedure: As per IS 5182					
Limits: *N.A.A.Q.S.-National Ambient Air Quality Standards.					
Sampling Location: Near Mosque, Surla (N15 ° 29'51.67104" E74° 01'7.04532")					
Lateral Distance: 10.0 meter			Duration: 24 Hrs.		
Receptor Height: 3.0 meter			Time : 11:30 am to 11:30 am		
Relative humidity [%]: 79			Ambient Temperature [°C]: 30.0		
RESULTS					
Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	12.46	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	42.28	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	20.79	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018
REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.					
** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.					
*** Hourly Value					
Disclaimer: <i>Information is supplied by customers represented in italic font</i>					
Verified by  Sr. Analyst				For Shreeji Aqua Treatment Pvt. Ltd.  Managing Director (Authorized Signatory)	

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 43001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune-411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiagua.com • Email: info@shreejiagua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

Lab Inward No. : SL/24-25/05/MAA/201G	Date of Sampling: 17-18/05/2024
Client Name : M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.	Start of analysis: 19/05/2024
	End of Analysis: 22/05/2024
	Report Date: 22/05/2024
Sample Drawn By: SATPL Representative on 17-18/05/2024	

Order / Reference: As per TRF dated 17/05/2024

Monitoring For : Ambient Air Monitoring

Sampling Procedure : As per IS 5182

Limits : *N.A.A.Q.5.-National Ambient Air Quality Standards.

Sampling Location : Near Mosque,Surla (N15 ° 29'51.67104" E74° 01'7.04532")

Lateral Distance : 10.0 meter

Duration : 24 Hrs.

Receptor Height : 3.0 meter

Time : 11:30 am to 11:30 am

Relative humidity [%]: 79

Ambient Temperature [°C]: 30.0

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.20	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo(a)Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB Guideline volume-1:2012
12	Nickel (Ni)	<6.0	<20.0**	ng/m ³	IS 5182(Part-26):2020

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

***Hourly Value

Disclaimer: Information is supplied by customers represented in italic font

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
121122100	Fine ParticulateSampler	SATPL/AIR/FPM/02	FP03217	16/03/2024	15/03/2025
1175R1 1B-DT- 01023	Respirable Dust Sample	SATPL/AIR/RDS/01	ET03211	16/03/2024	15/03/2025
450-DTC- 13	Gaseous Attachment Sample	SATPL/AIR/RDS/01-A	FP03219	16/03/2024	15/03/2025
556277	Digital ElectronicBalance -	SL/SMB/41	uu23- 24103sl122-57	19/03/2024	18/03/2025
NA	Digital Spectrophotometer Model	SL/UV/34	-----	Inhouse Calibration	

Verified by

For Shreeji Aqua Treatment Pvt. Ltd.

Sr. Analyst



Managing Director
(Authorized Signatory)

---End of Test Report---

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2



Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiagua.com * Email: info@shreejiagua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India



TC-13877

ULR NO: TC138772400008461F

TEST REPORT

Lab Inward No. : SL/24-25/06/MAA/264S	Date of Sampling: 21-22/06/2024
Client Name : M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.	Start of analysis: 22/06/2024
	End of Analysis: 26/06/2024
	Report Date: 26/06/2024
	Sample Drawn By: SATPL Representative on 21-22/06/2024
Order / Reference: As per TRF dated 21/06/2024	
Monitoring For: Ambient Air Monitoring	
Sampling Procedure: As per IS 5182	
Limits: *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location: Near Mosque, Surla (N15 ° 29'51.67104" E74° 01'7.04532")	
Lateral Distance: 10.0 meter	Duration: 24 Hrs.
Receptor Height: 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 90	Ambient Temperature [°C] : 27.6

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	12.85	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	37.25	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	19.13	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 (For 1 Hrs)	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: 'Information is supplied by customers represented in italic font'

Verified by

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director
(Authorized Signatory)

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&A, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiacqua.com • Email: info@shreejiacqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

ULR NO: TC138772400008461P

TEST REPORT

Lab Inward No. : SL/24-25/06/MAA/2645	Date of Sampling: 21-22/06/2024
Client Name : M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.	Start of analysis: 22/06/2024
	End of Analysis: 26/06/2024
	Report Date: 26/06/2024
	Sample Drawn By: SATPL Representative on 21-22/06/2024
Order / Reference: As per TRF dated 21/06/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Mosque,Surla (N15 ° 29'51.67104" E74° 01'7.04532")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 90	Ambient Temperature [°C] : 27.6

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.20	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo(a)Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB Guideline volume-1:2012
12	Nickel (Ni)	<6.0	<20.0**	ng/m ³	IS 5182(Part-26):2020

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.
** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
*** Hourly Value

Disclaimer: *Information is supplied by customers represented in italic font*

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
121122100	Fine ParticulateSampler	SATPL/AIR/FPM/02	FF03217	16/03/2024	18/03/2025
1175R1 18-OT- 01023	Respirable Dust Sample	SATPL/AIR/RDS/01	ET03211	16/03/2024	16/03/2025
450-DTC- 13	Gaseouse Attachment Sample	SATPL/AIR/RDS/01-A	FF03219	16/03/2024	16/03/2025
556277	Digital ElectronicBalance –	SL/SMB/41	uu23- 24I03Isl122-57	19/03/2024	18/03/2025
NA	Digital Spectrophotometer Model	SL/LV/34	-----	Inhouse Calibration	

Verified by

For Shreeji Aqua Treatment Pvt. Ltd.

Sr. Analyst



Managing Director
(Authorized Signatory)

-----End of Test Report-----

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2.

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR NO: TC138772400009302F

TEST REPORT

Lab Inward No. : SL/24-25/07/MAA/221A1	Date of Sampling: 18-19/07/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 19/07/2024
	End of Analysis: 23/07/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.	Report Date: 23/07/2024
	Sample Drawn By: SATPL Representative on 18-19/07/2024
Order / Reference: As per TRF dated 18/07/2024	
Monitoring For: Ambient Air Monitoring	
Sampling Procedure: As per IS 5182	
Limits: *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location: Near Mosque, Surla (N15° 29'51.67104" E74° 01'7.04532")	
Lateral Distance: 10.0 meter	Duration: 24 Hrs.
Receptor Height: 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 95	Ambient Temperature [°C]: 27.0

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	12.27	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	34.89	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	17.47	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: *Information is supplied by customers represented in italic font*

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra-411018.

Lab: 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chinchwad, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225747365 Email: info@shreeji aqua.com Web: www.shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR NO: TC138772400009302P

TEST REPORT

Lab Inward No. : SL/24-25/07/MAA/221A1	Date of Sampling: 18-19/07/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 19/07/2024
	End of Analysis: 23/07/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.	Report Date: 23/07/2024
	Sample Drawn By: SATPL Representative on 18-19/07/2024

Order / Reference: As per TRF dated 18/07/2024

Monitoring For : Ambient Air Monitoring -

Sampling Procedure : As per IS 5182

Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.

Sampling Location : Near Mosque,Surla (N15° 29'51.67104" E74° 01'7.04532")

Lateral Distance : 10.0 meter

Duration : 24 Hrs.

Receptor Height : 3.0 meter

Time : 11:30 am to 11:30 am

Relative humidity [%]: 95

Ambient Temperature [°C]: 27.0

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.20	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo(a)Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB Guideline volume-1:2012
12	Nickel (Ni)	<6.0	<20.0**	ng/m ³	IS 5182(Part-26):2020

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: Information is supplied by customers represented in italic font

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/AAS/34	ASFM/2023-24/205-12	19.03.2024	18.03.2025
	RDS (PM 10)	SATPL/AIR/AAS/34	ASFM/2023-24/205-12	19.03.2024	18.03.2025
	Gaseous Attachment Sample	SATPL/AIR/AAS/34	ASFM/2023-24/205-12	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/JV/34		Inhouse Calibration	

Verified By,

For Shreeji Aqua Treatment Pvt.Ltd.

Sr. Analyst



Quality Manager
Authorized Signatory

---End of Test Report---

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&A,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shab Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No. +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR NO: TC138772400010250F

TEST REPORT

Lab Inward No. : SL/24-25/09/MAA/184L	Date of Sampling: 19-20/09/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 20/09/2024
	End of Analysis: 24/09/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.	Report Date: 24/09/2024
	Sample Drawn By: SATPL Representative on 19-20/09/2024
Order / Reference: As per TRF dated 19/09/2024	
Monitoring For: Ambient Air Monitoring	
Sampling Procedure: As per IS 5182	
Limits: *N.A.A.C.S.- National Ambient Air Quality Standards.	
Sampling Location: Near Mosque, Surla (N15° 29'51.67104" E74° 01'7.04532")	
Lateral Distance: 10.0 meter	Duration: 24 Hrs.
Receptor Height: 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 89	Ambient Temperature [°C]: 28.0

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	9.12	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	12.30	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	34.43	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	17.05	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9)R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25)R2018

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

Hourly Value

Disclaimer: Information is supplied by customers represented in italic font

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Quality Manager
Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewad, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No. 1, Shah Ind. Park-1, Vadodara-Savli, Lamdepura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT					
Lab Inward No. : SL/24-25/09/MAA/184L			Date of Sampling: 19-20/09/2024		
Client Name : M/s. VEDANTA LIMITED			Start of analysis: 20/09/2024		
			End of Analysis: 24/09/2024		
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.			Report Date: 24/09/2024		
			Sample Drawn By: SATPL Representative on 19-20/09/2024		
Order / Reference: As per TRF dated 19/09/2024					
Monitoring For : Ambient Air Monitoring					
Sampling Procedure : As per IS 5182					
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.					
Sampling Location : Near Mosque,Surla (N15° 29'51.67104" E74° 01'7.04532")					
Lateral Distance : 10.0 meter			Duration : 24 Hrs.		
Receptor Height : 3.0 meter			Time : 11:30 am to 11:30 am		
Relative humidity [%]: 89			Ambient Temperature [°C]: 28.0		
RESULTS					
Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.19	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo(a)Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB Guideline volume-1-2012
12	Nickel (Ni)	<6.0	<20.0**	ng/m ³	IS 5182(Part-26):2020
REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.					
** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.					
*** Hourly Value					
Disclaimer: Information is supplied by customers represented in italic font					
EQUIPMENT CALIBRATION DETAILS					
Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
994 DTK 2020	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/AAS/34	ASFM/2023-24/205-12	19.03.2024	18.03.2025
79121	RDS (PM 10)	SATPL/AIR/AAS/34	ASFM/2023-24/205-12	19.03.2024	18.03.2025
AA93G2021	Gaseous Attachment Sample	SATPL/AIR/AAS/34	ASFM/2023-24/205-12	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model			Inhouse Calibration	
Verified By,			For Shreeji Aqua Treatment Pvt. Ltd.		
					
Sr. Analyst			Quality Manager Authorized Signatory		

---End of Test Report---

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra-411018;

Lab: 164,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sarl, Lamdepura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiagua.com * Email: info@shreejiagua.com



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024.
ULR NO: TC704224000008956F

TEST REPORT

Lab Inward No. : SL/24-25/04/MWZ/114aan	Date of Sampling: 18-19/04/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 20/04/2024
	End of Analysis: 25/04/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.	Report Date: 25/04/2024
	Sample Drawn By: SATPL Representative on 18-19/04/2024
Order / Reference: As per TRF dated 18/04/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182.	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Siddhartha Caves, Surfa ,(N15 ° 29'59.82972" E74° 01'30.0162")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:40 am to 11:40 am
Relative humidity [%]: 78	Ambient Temperature [°C]: 28.4

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	11.72	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	40.33	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	19.54	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.
** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
*** Hourly Value

Disclaimer: 'Information is supplied by customers represented in italic font'

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Managing Director
Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sarlj, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com * Email: info@shreeji-aqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024.
ULR NO: TC704224000008956P

TEST REPORT

Lab Inward No. : SL/24-25/04/MWZ/114aan	Date of Sampling: 18-19/04/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 20/04/2024
	End of Analysis: 25/04/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.	Report Date: 25/04/2024
	Sample Drawn By: SATPL Representative on 18-19/04/2024
Order / Reference: As per TRF dated 18/04/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182.	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Siddhartha Caves, Suria ,(N15 ° 29'59.82972" E74° 01'30.0162")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 78	Ambient Temperature [°C]: 28.4

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.20	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo(a)Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB Guideline volume-1:2012
12	Nickel (Ni)	<6.0	<20.0**	ng/m ³	IS 5182(Part-26):2020

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
*** Hourly Value

Disclaimer: Information is supplied by customers represented in italic font

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-F-95 190220277	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	16.03.2024	15.03.2025
19-F-95 SW-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	ET03222	16.03.2024	15.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	18.03.2024	17.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BPI/05	ME03228	18.03.2024	17.03.2025
1012 DTB 2021	FINE DUST SAMPLER (PM 2.5)	SATPL/AA/PDS/01	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
2909 DTJ 2020	RDS (PM 10)	SATPL/AA/RDS/01	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
6996 DTJ 2020	Gaseous Attachment Sample	SATPL/AA/RDS/01-A	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
556277	Digital Electronic Balance	SL/SMB/41	uu23- 241031st122-57	19/03/2024	18/03/2025
NA	Digital Spectrophotometer Model	SL/UV/34			Inhouse Calibration

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Managing Director
Authorized Signatory

--- End of Test Report ---

This report cannot be reproduced in parts. The results relate to sample tested.



Page 2 of 2



Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiagua.com • Email: info@shreejiagua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

Lab Inward No. : SL/24-25/05/MAA/201H		Date of Sampling: 17-18/05/2024			
Client Name : M/s. VEDANTA LIMITED		Start of analysis: 19/05/2024			
		End of Analysis: 22/05/2024			
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.		Report Date: 22/05/2024			
		Sample Drawn By: SATPL Representative on 17-18/05/2024			
Order / Reference: As per TRF dated 17/05/2024					
Monitoring For : Ambient Air Monitoring *					
Sampling Procedure : As per IS 5182.					
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.					
Sampling Location : Near Siddhartha Caves, Surla ,(N15 ° 29'59.82972" E74° 01'30.0162")					
Lateral Distance : 10.0 meter			Duration : 24 Hrs.		
Receptor Height : 3.0 meter			Time : 11:40 am to 11:40 am		
Relative humidity [%]: 79			Ambient Temperature [°C] : 30.0		
RESULTS					
Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	11.85	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	41.15	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	20.38	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018
REMARK: Reference to above mentioned monitoring report all the parameters are within the limits. *					
** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.					
***Hourly Value					
Disclaimer: 'Information is supplied by customers represented in italic font'					
Verified by 				For Shreeji Aqua Treatment Pvt. Ltd.	
Sr. Analyst				SJM Managing Director (Authorized Signatory)	

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



Pune : 27A, Shreeji Complex, Nehru Nagar, Pimpri, Pune-411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sevli, Lamdepura, 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejaqua.com * Email: info@shreejaqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

Table with 2 columns: Lab Inward No. (SL/24-25/05/MAA/201H), Date of Sampling (17-18/05/2024), Client Name (M/s. VEDANTA LIMITED), Start of analysis (19/05/2024), End of Analysis (22/05/2024), Report Date (22/05/2024), Sample Drawn By (SATPL Representative on 17-18/05/2024), Order / Reference (As per TRF dated 17/05/2024), Monitoring For (Ambient Air Monitoring), Sampling Procedure (As per IS 5182), Limits (*N.A.A.Q.S.-National Ambient Air Quality Standards), Sampling Location (Near Siddhartha Caves, Surfa, (N15° 29'59.82972" E74° 01'30.0162")), Lateral Distance (10.0 meter), Duration (24 Hrs), Receptor Height (3.0 meter), Time (11:30 am to 11:30 am), Relative humidity [%]: 79, Ambient Temperature [°C]: 30.0

RESULTS

Table with 6 columns: Sr. No., Parameters, Results, Limits, Unit, Reference Method. Rows include Carbon Monoxide (CO), Lead as (Pb), Benzene (C6H6), Benzo(a)Pyrene (BaP), Arsenic (As), and Nickel (Ni).

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.
** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
***Hourly Value

Disclaimer: Information is supplied by customers represented in italic font

EQUIPMENT CALIBRATION DETAILS

Table with 6 columns: Sr. No., EquipmentName, Equipment ID, CertificateNo., Calibration Date, Calibration Due Date. Lists various calibration equipment like Flow Calibrators, Barometric Pressure Indicator, Dust Samplers, etc.

Verified by

Handwritten signature of Sr. Analyst

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Handwritten signature of Managing Director

Managing Director (Authorized Signatory)

End of Test Report



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

ULR NO: TC138772400008460F

TC-13877

TEST REPORT

Lab Inward No. : SL/24-25/06/MAA/264R	Date of Sampling: 21-22/06/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 22/06/2024
	End of Analysis: 26/06/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.	Report Date: 26/06/2024
	Sample Drawn By: SATPL Representative on 21-22/06/2024
Order / Reference: As per TRF dated 21/06/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182.	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Siddhartha Caves, Surla ,(N15 ° 29'59.82972" E74° 01'30.0162")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:40 am to 11:40 am
Relative humidity [%]: 90	Ambient Temperature [°C]: 27.6

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	11.85	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	36.89	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	18.30	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: 'Information is supplied by customers represented in italic font'

Verified by

Sr. Analyst

For Shreeji Aqua Treatment Pvt. Ltd.



Managing Director
(Authorized Signatory)

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejaqua.com • Email: info@shreejaqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

ULR NO: TC138772400008460P

TEST REPORT

Lab Inward No. : SL/24-25/06/MAA/264R	Date of Sampling: 21-22/06/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 22/06/2024
	End of Analysis: 26/06/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.	Report Date: 26/06/2024
	Sample Drawn By: SATPL Representative on 21-22/06/2024
Order / Reference: As per TRF dated 21/06/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182.	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Siddhartha Caves, Surfa ,(N15 ° 29'59.82972" E74° 01'30.0162")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 90	Ambient Temperature [°C] : 27.6

RESULTS

Sr. No	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.20	<4.0 for 1 Hrs	mg/m3	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m3	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m3	IS 5182 (Part 11):2006 R2022
10	Benzo(a)Pyrene (BaP)	<0.1	<1.0**	ng/m3	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m3	CPCB Guideline volume-1:2012
12	Nickel (NI)	<6.0	<20.0**	ng/m3	IS 5182(Part-26):2020

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: *Information is supplied by customers represented in italic font*

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
1012 DTB 2021	FINE DUST SAMPLER (PM 2.5)	SATPL/AA/FDS/01	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
2909 DTJ 2020	RDS (PM 10)	SATPL/AA/RDS/01	F/SL/EQUIP-6.4/13-a/00	03.03.2024	03.03.2025
6996 DTJ 2020	Gaseous Attachment Sample	SATPL/AA/RDS/01-A	F/SL/EQUIP-6.4/13-a/00	03.03.2024	03.03.2025
556277	Digital ElectronicBalance	SL/SMB/41	uu23- 24103hw122-57	19/03/2024	18/03/2025
NA	Digital Spectrophotometer Model	SL/UV/34	-----	Inhouse Calibration	

Verified by

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director
(Authorized Signatory)

---End of Test Report---

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR NO: TC138772400009301F

TEST REPORT

Lab Inward No. : SL/24-25/07/MAA/221AJ	Date of Sampling: 18-19/07/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 19/07/2024
	End of Analysis: 23/07/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.	Report Date: 23/07/2024
	Sample Drawn By: SATPL Representative on 18-19/07/2024
Order / Reference: As per TRF dated 18/07/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182.	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Siddhartha Caves, Surla ,(N15 ° 29'59.82972" E74° 01'30.0162")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:40 am to 11:40 am
Relative humidity [%]: 95	Ambient Temperature [°C]: 27.0

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	12.49	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	36.27	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	18.30	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: 'Information is supplied by customers represented in italic font'

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Sevli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreeji aqua.com Web: www.shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR NO: TC138772400009301P

TEST REPORT

Lab Inward No. : SL/24-25/07/MAA/221AJ	Date of Sampling: 18-19/07/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 19/07/2024
	End of Analysis: 23/07/2024
VALUE ADDITION BUSINESS, AMONA AND NVELIM, BICHOLIM – GOA.	Report Date: 23/07/2024
	Sample Drawn By: SATPL Representative on 18-19/07/2024
Order / Reference: As per TRF dated 18/07/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182.	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Siddhartha Caves, Suria ,(N15 ° 29'59.82972" E74° 01'30.0162")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 95	Ambient Temperature [°C]: 27.0

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.20	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo[a]Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB Guideline volume-1:2012
12	Nickel (Ni)	<6.0	<20.0**	ng/m ³	IS 5182(Part-26):2020

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: Information is supplied by customers represented in italic font

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
150804037	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/AAS/37	ASFM/2023-24/205-14	19.03.2024	18.03.2025
150804037	RDS (PM 10)	SATPL/AIR/AAS/37	ASFM/2023-24/205-14	19.03.2024	18.03.2025
150804037	GaseousAttachmentSample	SATPL/AIR/AAS/37	ASFM/2023-24/205-14	19.03.2024	18.03.2025
55627	Digital ElectronicBalance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital SpectrophotometerModel	SL/UV/34		InhouseCalibration	

Verified By,

For Shreeji Aqua Treatment Pvt.Ltd.

Sr. Analyst



Quality Manager
Authorized Signatory

—End of Test Report—

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 104, Shreeji Terrace Apt, Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shal Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +91 9225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.



TC-13877

ULR NO: TC138772400009689F

TEST REPORT

Lab Inward No. : SL/24-25/08/MAA/117as	Date of Sampling: 16-17/08/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 17/08/2024
	End of Analysis: 22/08/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.	Report Date: 22/08/2024
	Sample Drawn By: SATPL Representative on 16-17/08/2024
Order / Reference: As per TRF dated 16/08/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182.	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Siddhartha Caves, Suria ,(N15 ° 29'59.82972" E74° 01'30.0162")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:40 am to 11:40 am
Relative humidity [%]: 92	Ambient Temperature [°C]: 27.0

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	12.46	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	36.21	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	17.88	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: 'Information is supplied by customers represented in italic font'

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewad, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT

Lab Inward No. : SL/24-25/08/MAA/117as		Date of Sampling: 16-17/08/2024			
Client Name : M/s. VEDANTA LIMITED		Start of analysis: 17/08/2024			
		End of Analysis: 22/08/2024			
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.		Report Date: 22/08/2024			
		Sample Drawn By: SATPL Representative on 16-17/08/2024			
Order / Reference: As per TRF dated 16/08/2024					
Monitoring For : Ambient Air Monitoring					
Sampling Procedure : As per IS 5182.					
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.					
Sampling Location : Near Siddhartha Caves, Suria, (N15° 29'59.82972" E74° 01'30.0162")					
Lateral Distance : 10.0 meter			Duration : 24 Hrs.		
Receptor Height : 3.0 meter			Time : 11:30 am to 11:30 am		
Relative humidity [%]: 95			Ambient Temperature [°C]: 27.0		
RESULTS					
Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.20	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo(a)Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB Guideline volume-1:2012
12	Nickel (Ni)	<5.0	<20.0**	ng/m ³	IS 5182(Part-26):2020
REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.					
** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24-hourly at uniform intervals.					
*** Hourly Value					
Disclaimer: Information is supplied by customers represented in italic font					
EQUIPMENT CALIBRATION DETAILS					
Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
1013 DTB 2021	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/AAS/37	ASFM/2023-24/205-14	19.08.2024	18.03.2025
2981 DTB 2021	RDS (PM 10)	SATPL/AIR/AAS/37	ASFM/2023-24/205-14	19.08.2024	18.03.2025
7099 DTB 2021	Gasous Attachment Sample	SATPL/AIR/AAS/37	ASFM/2023-24/205-14	19.08.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.08.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UV/34		Inhouse Calibration	
Verified By,  Sr. Analyst				For Shreeji Aqua Treatment Pvt. Ltd.,  Quality Manager Authorized Signatory	

— End of Test Report —

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2

Pune: Plot No. 8-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vajodara-Savli, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreeji aqua.com Web: www.shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/05/2026.

ULR NO: TC138772400009688F

TEST REPORT

Lab Inward No. : SL/24-25/08/MAA/117ar		Date of Sampling: 16-17/08/2024			
Client Name : M/s. VEDANTA LIMITED		Start of analysis: 17/08/2024			
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.		End of Analysis: 22/08/2024			
		Report Date: 22/08/2024			
		Sample Drawn By: SATPL Representative on 16-17/08/2024			
Order / Reference: As per TRF dated 16/08/2024					
Monitoring For: Ambient Air Monitoring.					
Sampling Procedure: As per IS 5182					
Limits: *N.A.A.Q.S.-National Ambient Air Quality Standards.					
Sampling Location: Near Mosque, Surla (N15° 29'51.67104" E74° 01'7.04532")					
Lateral Distance: 10.0 meter			Duration: 24 Hrs.		
Receptor Height: 3.0 meter			Time : 11:30 am to 11:30 am		
Relative humidity [%]: 92			Ambient Temperature [°C]: 27.0		
RESULTS					
Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	8.46	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	12.17	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	34.13	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	17.05	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9):R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25):R2018
<p>REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.</p> <p>** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.</p> <p>*** Hourly Value</p> <p><i>Disclaimer: 'Information is supplied by customers represented in italic font'</i></p>					
Verified By,				For Shreeji Aqua Treatment Pvt.Ltd.	
Sr. Analyst				Quality Manager Authorized Signatory	

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewad, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT

Lab Inward No. : SL/24-25/08/MAA/117ar	Date of Sampling: 16-17/08/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 17/08/2024
	End of Analysis: 22/08/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.	Report Date: 22/08/2024
	Sample Drawn By: SATPL Representative on 16-17/08/2024
Order / Reference: As per TRF dated 16/08/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Mosque,Surla (N15 ° 29'51.67104" E74° 01'7.04532")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 92	Ambient Temperature [°C]: 27.0

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.20	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo[a]Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB-Guideline volume-1:2012
12	Nickel (Ni)	<6.0	<20.0**	ng/m ³	IS 5182(Part-26):2020

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: Information is supplied by customers represented in *italic font***EQUIPMENT CALIBRATION DETAILS**

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
994 DTK 2020	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/AAS/34	ASPM/2023-24/205-12	19.03.2024	18.03.2025
79121	RDS (PM 10)	SATPL/AIR/AAS/34	ASPM/2023-24/205-12	19.03.2024	18.03.2025
AA93G2021	Gaseous Attachment Sample	SATPL/AIR/AAS/34	ASPM/2023-24/205-12	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/5MB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UV/34	---	Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Quality Manager
Authorized Signatory

-----End of Test Report-----

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewad, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 33, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Yadodara-Savli, Lamjapuram. 391 775 Dist. Vadodra

Customer Care No.:-+919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT

Lab Inward No. : SL/24-25/09/MAA/184M	Date of Sampling: 19-20/09/2024
Client Name : M/s. VEDANTA LIMITED	Start of analysis: 20/09/2024
	End of Analysis: 24/09/2024
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.	Report Date: 24/09/2024
	Sample Drawn By: SATPL Representative on 19-20/09/2024
Order / Reference: As per TRF dated 19/09/2024	
Monitoring For : Ambient Air Monitoring	
Sampling Procedure : As per IS 5182.	
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.	
Sampling Location : Near Siddhartha Caves, Surfa, (N15° 29'59.82972" E74° 01'30.0162")	
Lateral Distance : 10.0 meter	Duration : 24 Hrs.
Receptor Height : 3.0 meter	Time : 11:30 am to 11:30 am
Relative humidity [%]: 88	Ambient Temperature [°C]: 28.0

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
7	Carbon Monoxide (CO)	0.18	<4.0 for 1 Hrs	mg/m ³	IS 5182(Part-10):1999 R2019
8	Lead as (Pb)	<0.01	<1.0	µg/m ³	IS 5182(Part-22):2004 R2019
9	Benzene (C ₆ H ₆)	<0.1	<5.0**	µg/m ³	IS 5182 (Part 11):2006 R2022
10	Benzo(a)Pyrene (BaP)	<0.1	<1.0**	ng/m ³	IS 5182 (Part 12):2004 R2019
11	Arsenic (As)	<5.0	<6.0**	ng/m ³	CPCB Guideline volume-1:2012
12	Nickel (Ni)	<6.0	<20.0**	ng/m ³	IS 5182(Part-26):2020

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

Disclaimer: *Information is supplied by customers represented in italic font***EQUIPMENT CALIBRATION DETAILS**

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
1013 DTB 2021	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/AAS/37	ASFM/2023-24/205-14	19.03.2024	18.03.2025
2981 DTB 2021	RDS (PM 10)	SATPL/AIR/AAS/37	ASFM/2023-24/205-14	19.03.2024	18.03.2025
7099 DTB 2021	Gaseous Attachment Sample	SATPL/AIR/AAS/37	ASFM/2023-24/205-14	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UJ/34	—————	Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Quality Manager
Authorized Signatory

—End of Test Report—

This report cannot be reproduced in parts. The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR NO: TC138772400010251F

TEST REPORT					
Lab Inward No. : SL/24-25/09/MAA/184M			Date of Sampling: 19-20/09/2024		
Client Name : M/s. VEDANTA LIMITED			Start of analysis: 20/09/2024		
			End of Analysis: 24/09/2024		
VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.			Report Date: 24/09/2024		
			Sample Drawn By: SATPL Representative on 19-20/09/2024		
Order / Reference: As per TRF dated 19/09/2024					
Monitoring For : Ambient Air Monitoring					
Sampling Procedure : As per IS 5182.					
Limits : *N.A.A.Q.S.-National Ambient Air Quality Standards.					
Sampling Location : Near Siddhartha Caves, Surla ,(N15° 29'59.82972" E74° 01'30.0162")					
Lateral Distance : 10.0 meter			Duration : 24 Hrs.		
Receptor Height : 3.0 meter			Time : 11:40 am to 11:40 am		
Relative humidity [%]: 88			Ambient Temperature [°C]: 28.0		
RESULTS					
Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	9.12	<80.0	µg/m ³	IS 5182(Part-2)2001 R2022
2	Nitrogen Dioxide (NO ₂)	12.58	<80.0	µg/m ³	IS 5182(Part-6)2006 R2022
3	Particulate Matter PM ₁₀	32.95	<100.0	µg/m ³	IS 5182 (Part 23)2006 R2022
4	Particulate Matter PM _{2.5}	16.22	<60.0	µg/m ³	IS 5182 (Part 24)2019
5	Ozone (O ₃)	<20.0	<180.0 For 1 Hrs	µg/m ³	IS 5182(Part-9)-R2019
6	Ammonia (NH ₃)	<14.0	<400.0	µg/m ³	IS 5182(Part-25)-R2018
REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.					
** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.					
*** Hourly Value					
Disclaimer: <i>Information is supplied by customers represented in italic font</i>					
Verified By,			For Shreeji Aqua Treatment Pvt.Ltd.		
Sr. Analyst			Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 184, Shreeji Terrace Apt. Plat No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No. 1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com

Annexure V
BaP monitoring data from April'24 to September'24

Benzo Amino Pyrene (BaP) monitoring data (April'24-September'24)

Date	1. Near Amona gate	2. Opp. BSNL exchange	3. Near Dispatch gate	4. Compound wall towards Navelim	5. Near Sateri temple	6. Compound wall towards Maina
01-04-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
04-04-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
08-04-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
11-04-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15-04-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
18-04-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
22-04-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
25-04-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
29-04-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
02-05-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
06-05-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
09-05-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
13-05-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16-05-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
20-05-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
23-05-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
27-05-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
30-05-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
03-06-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
06-06-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
10-06-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
13-06-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
18-06-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
20-06-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

24-06-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
27-06-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
01-07-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
04-07-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
08-07-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
11-07-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15-07-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
18-07-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
22-07-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
25-07-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
29-07-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
01-08-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
06-08-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
09-08-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
12-08-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15-08-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
19-08-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
22-08-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
26-08-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
29-08-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
02-09-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
05-09-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
09-09-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
12-09-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
16-09-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
19-09-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
23-09-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
26-09-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
30-09-2024	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Annexure VI

**AAOMS reports of Amona and Navelim village from April-24 to September-
24**



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodra : Plot No.1, Shah Ind. Park-1, Vadodra-Savli, Lamdepura, 391 775 Dist. Vadodra
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024.

Test Report No.	SL/24-25/04/MAA/08AA, 24AB, 31BL, 34aa, 102AAC, 111r, 142aa, 179AP, 188AL	T.R. Date	04/05/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM – GOA.		
Letter Ref / Date.	Ref. No. 4800017534 dated 21/05/2020		
Sampling Done By	SATPL Representative	Page No.	1 of 1
Month of Sampling	APRIL - 2024		

SAMPLING DETAILS - AMBIENT AIR MONITORING :-

Sampling Location	Location - Near Amona Village
Duration of Sampling [Hrs]	24
Average Ambient Temperature [°C]	29.8
Average Relative Humidity [%]	78

ANALYSIS REPORT :-

Sr. No	Report No.	Date of Sampling	Parameters											
			PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	CO***	Pb	C ₂ H ₆	As	Ni	O ₃ ***	B(a)P
1	SL/24-25/04/MAA/08AA	01/04/2024	67.78	33.68	9.12	16.98	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
2	SL/24-25/04/MAA/24AB	04/04/2024	68.74	34.10	9.77	17.08	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
3	SL/24-25/04/MAA/31BL	08/04/2024	62.66	31.19	9.12	16.63	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
4	SL/24-25/04/MAA/34aa	11/04/2024	59.47	28.28	8.46	16.69	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
5	SL/24-25/04/MAA/102AAC	15/04/2024	58.72	28.28	9.12	16.73	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
6	SL/24-25/04/MAA/111r	18/04/2024	53.58	26.61	9.12	16.60	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
7	SL/24-25/04/MAA/142aa	22/04/2024	63.12	31.60	9.77	17.35	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
8	SL/24-25/04/MAA/179AP	25/04/2024	62.89	31.19	9.12	16.88	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
9	SL/24-25/04/MAA/188AL	29/04/2024	64.15	32.44	10.42	16.54	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³

*N.A.A.Q.S. – National Ambient Air Quality Standards.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-F-95 190220277	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	16.03.2024	15.03.2025
19-F-95 SW-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	FT03222	16.03.2024	15.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	18.03.2024	17.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BPI/05	ME03228	18.03.2024	17.03.2025
1012 D/TB 2021	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/FDS/01	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
2909 D/TJ 2020	RDS (PM 10)	SATPL/AIR/RDS/01	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
6996 D/TJ 2020	Gaseous Attachment Sample	SATPL/AIR/RDS/01-A	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
556277	Digital Electronic Balance	SL/SMB/41	uu23-24031s1122-57	19-03-2024	18-03-2025
NA	Digital Spectrophotometer Model	SL/UV/34	-----	Inhouse Calibration	

Verified By,

Sr. Analyst



—End of Test Report—

For Shreeji Aqua Treatment Pvt.Ltd.

Managing Director
Authorized Signatory



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.3, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodara
Lab : 154, Shreeji Terrace Apt. Plot No. 53, Puma Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024.

Test Report No.	SL/24-25/04/MAA/08AB, 24AC, 31BM, 34aag, 102AAD, 111s, 142ab, 179AQ, 188AM.	T.R. Date	04/05/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.		
Letter Ref / Date.	Ref. No. 4800017534 dated 21/05/2020		
Sampling Done By	SATPL Representative	Page No.	1 of 1
Month of Sampling	APRIL- 2024		

SAMPLING DETAILS - AMBIENT AIR MONITORING :-

Sampling Location	Location - Navelim Village
Duration of Sampling [Hrs]	24
Average Ambient Temperature [°C]	29.8
Average Relative Humidity [%]	78

ANALYSIS REPORT :-

Sr. No.	Report No.	Date of Sampling	Parameters											
			PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	CO***	Pb	C ₆ H ₆	As	Ni	O ₃ ***	B(a)P
1	SL/24-25/04/MAA/08AB	01/04/2024	63.79	31.60	9.77	16.73	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
2	SL/24-25/04/MAA/24AC	04/04/2024	63.43	32.02	8.46	16.63	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
3	SL/24-25/04/MAA/31BM	08/04/2024	60.24	29.94	9.77	16.76	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
4	SL/24-25/04/MAA/34aag	11/04/2024	62.57	31.19	8.46	16.92	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
5	SL/24-25/04/MAA/102AAD	15/04/2024	61.56	30.77	8.46	16.44	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
6	SL/24-25/04/MAA/111s	18/04/2024	57.93	28.69	9.12	16.50	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
7	SL/24-25/04/MAA/142ab	22/04/2024	61.74	30.36	8.46	16.76	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
8	SL/24-25/04/MAA/179AQ	25/04/2024	62.57	32.02	8.46	16.38	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
9	SL/24-25/04/MAA/188AM	29/04/2024	62.71	31.19	9.77	16.63	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³

*N.A.A.Q.S. – National Ambient Air Quality Standards.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-F-95 190220277	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	16.03.2024	15.03.2025
19-F-955W-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	ET03222	16.03.2024	15.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	18.03.2024	17.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BPI/05	ME03228	18.03.2024	17.03.2025
1080 H 21	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/FDS/02	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
2984 DTB 2021	RDS (PM 10)	SATPL/AIR/RDS/02	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
7093 DTB 2021	Gaseous Attachment Sample	SATPL/AIR/RDS/02-A	F/SL/EQUIP-6.4/13-a/00	03.03.2024	02.03.2025
556277	Digital Electronic Balance	SL/SMB/41	uu23-24003lsH22-57	19-03-2024	18-03-2025
NA	Digital Spectrophotometer Model	SL/UV/34	-----	Inhouse Calibration	

Verified By,

Sr. Analyst



-----End of Test Report-----

For Shreeji Aqua Treatment Pvt.Ltd.

Managing Director
Authorized Signatory



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365

Website: www.shreejienv.com • Email: info@shreejienv.com
Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India.

Test Report No.	SL/24-25/05/MAA/08AS, 53p, 62Q, 86U, 135AF, 201R, 226U, 238X, 248U.	T.R. Date	05/06/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.		
Letter Ref / Date.	Ref. No. 4920070348 dated 06/05/2024		
Sampling Done By	SATPL Representative	Page No.	1 of 1
Month of Sampling	MAY- 2024		

SAMPLING DETAILS - AMBIENT AIR MONITORING: -

Sampling Location	Location - Near Amona Village
Duration of Sampling [Hrs]	24
Average Ambient Temperature [°C]	30.0
Average Relative Humidity [%]	79

ANALYSIS REPORT :-

Sr. No	Report No.	Date of Sampling	Parameters											
			PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	CO***	Pb	C ₆ H ₆	As	Ni	O ₃ ***	B(a)P
1	SL/24-25/05/MAA/08AS	02/05/2024	63.18	32.44	9.77	16.82	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
2	SL/24-25/05/MAA/53p	06/05/2024	66.38	33.27	8.46	17.04	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
3	SL/24-25/05/MAA/62Q	09/05/2024	63.50	32.02	9.12	16.50	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
4	SL/24-25/05/MAA/86U	13/05/2024	64.95	32.85	8.46	16.63	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
5	SL/24-25/05/MAA/135AF	16/05/2024	62.70	31.19	8.46	16.79	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
6	SL/24-25/05/MAA/201R	20/05/2024	58.94	29.11	9.77	16.82	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
7	SL/24-25/05/MAA/226U	23/05/2024	59.34	28.28	9.12	16.69	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
8	SL/24-25/05/MAA/238X	27/05/2024	58.93	29.11	8.46	16.63	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
9	SL/24-25/05/MAA/248U	30/05/2024	62.74	31.19	9.12	16.69	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³

*N.A.A.Q.S. - National Ambient Air Quality Standards.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

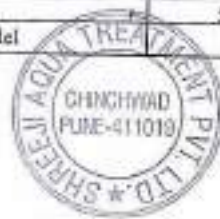
*** Hourly Value

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-P-95 190220277	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	19.03.2024	18.03.2025
19-P-955W-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	ET03222	19.03.2024	18.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	19.03.2024	18.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BPI/05	ME03228	19.03.2024	18.03.2025
1012 DTB 2021	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/FDS/01	F/SL/EQUIP-6.4/13-a/00	03.05.2024	03.07.2024
2909 DTJ 2020	RDS (PM 10)	SATPL/AIR/RDS/01	F/SL/EQUIP-6.4/13-a/00	03.05.2024	03.07.2024
6996 DTJ 2020	Gaseous Attachment Sample	SATPL/AIR/RDS/01-A	F/SL/EQUIP-6.4/13-a/00	03.05.2024	03.07.2024
556277	Digital Electronic Balance	SL/SMB/41	mm23.24003d122.67	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UV/34			Inhouse Calibration

Verified by

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director
(Authorized Signatory)

-----End of Test Report-----



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Rimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sarlj, Lamdapura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365

Web: www.shreeji-aqua.com • Email: info@shreeji-aqua.com
Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India.

Test Report No.	SL/24-25/05/MAA/08AT, 53q, 62R, 86v, 135AG, 201S, 226V, 238Y, 248V.	T.R. Date	05/06/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM - GOA.		
Letter Ref / Date.	Ref. No. 4920070348 dated 06/05/2024		
Sampling Done By	SATPL Representative	Page No.	1 of 1
Month of Sampling	MAY- 2024		

SAMPLING DETAILS - AMBIENT AIR MONITORING: -

Sampling Location	Location - Navelim Village
Duration of Sampling [Hrs]	24
Average Ambient Temperature [°C]	30.0
Average Relative Humidity [%]	79

ANALYSIS REPORT :-

Sr. No.	Report No.	Date of Sampling	Parameter s												
			PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	CO ^{***}	Pb	C ₆ H ₆	As	Ni	O ₃ ^{***}	B(a)P	
1	SL/24-25/05/MAA/08AT	02/05/2024	66.82	33.27	9.12	17.04	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
2	SL/24-25/05/MAA/53q	06/05/2024	58.43	29.11	9.12	17.75	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
3	SL/24-25/05/MAA/62R	09/05/2024	59.34	29.11	9.77	16.76	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
4	SL/24-25/05/MAA/86v	13/05/2024	62.77	31.19	9.12	16.34	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
5	SL/24-25/05/MAA/135AG	16/05/2024	60.04	29.52	9.12	16.50	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
6	SL/24-25/05/MAA/201S	20/05/2024	61.53	30.36	9.12	17.71	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
7	SL/24-25/05/MAA/226V	23/05/2024	62.42	31.60	8.46	16.92	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
8	SL/24-25/05/MAA/238Y	27/05/2024	61.22	30.36	9.12	16.34	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
9	SL/24-25/05/MAA/248V	30/05/2024	61.85	30.36	8.46	16.63	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1	
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³	

*N.A.A.Q.S. – National Ambient Air Quality Standards.

** Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

*** Hourly Value

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-P-95 190220277	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/PC/18	FF03221	19.03.2024	18.03.2025
19-P-95SW-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/PC/18	ET03222	19.03.2024	18.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	19.03.2024	18.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BPI/05	ME03228	19.03.2024	18.03.2025
1080 H 21	FINE DUST SAMPLER (PM 2.5)	SATPL/AIR/FDS/02	F/SL/EQUIP-6.4/13-a/00	03.05.2024	03.07.2024
2984 DTB 2021	RDS (PM 10)	SATPL/AIR/RDS/02	F/SL/EQUIP-6.4/13-a/00	03.05.2024	03.07.2024
7093 DTB 2021	Gaseous Attachment Sample	SATPL/AIR/RDS/02-A	F/SL/EQUIP-6.4/13-a/00	03.05.2024	03.07.2024
556277	Digital Electronic Balance	SL/SMB/41	uu23-24603sl122-57	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UY/34			Inhouse Calibration

Verified by

Sr. Analyst



-----End of Test Report-----

For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director
(Authorized Signatory)



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No. : +919225247365
Web : www.shreejiacqua.com • **Email**: info@shreejiacqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India.

Test Report No.	SL/24-25/06/MAA/08y, 550, 94T, 1438a, 203AV, 208AK, 268k, 315Y.	T. R. Date	05/07/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONAANDNAVELIM, BICHOLIM-GOA.		
Letter Ref/ Date.	Ref.No.4920071185 dated 12/06/2024		
Sampling Done By	SATPL Representative	Page No.	1of1
Month of Sampling	June- 2024		

SAMPLINGDETAILS - AMBIENTAIRMONITORING: -

Sampling Location	Location-Near Amona Village
Duration of Sampling [Hrs.]	24
Average Ambient Temperature[°C]	28.0
Average Relative Humidity [%]	90

ANALYSISREPORT:-

Sr. No	Report No.	Date of Sampling	Parameters												
			PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	CO***	Pb	C ₆ H ₆	As	Ni	O ₃ ***	B(a)P	
1	SL/24-25/06/MAA/08y	03/06/2024	45.38	22.87	10.42	16.82	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
2	SL/24-25/06/MAA/550	08/06/2024	44.90	22.46	9.12	17.04	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
3	SL/24-25/06/MAA/94T	10/06/2024	42.17	21.21	9.12	16.50	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
4	SL/24-25/06/MAA/1438a	13/06/2024	48.91	26.20	8.46	16.63	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
5	SL/24-25/06/MAA/203AV	18/06/2024	48.59	24.53	9.77	16.79	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
6	SL/24-25/06/MAA/208AK	20/06/2024	42.11	21.21	10.42	16.82	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
7	SL/24-25/06/MAA/268k	24/06/2024	44.87	22.04	9.12	16.69	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
8	SL/24-25/06/MAA/315Y	27/06/2024	43.76	24.12	8.46	16.63	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1	
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³	

*N.A.A.Q.S.-National Ambient Air Quality Standards.

**Annual arithmetic means of minimum 104 measurements in a year at particular site taken twice a week 24 hourly at uniform intervals.

***Hourly Value

EQUIPMENTCALIBRATIONDETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-F-95190220277	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	19.03.2024	18.03.2025
19-F-955W-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	ET03222	19.03.2024	18.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TL0C/22	FF03227	19.03.2024	18.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BPI/05	ME03228	19.03.2024	18.03.2025
1012/TB2021	FINE DUST SAMPLER (PM2.5)	SATPL/AIR/FDS/01	F/SL/EQUIP-6.4/13-a/00	03.05.2024	03.07.2025
2909 DT/2020	RDS (PM10)	SATPL/AIR/RDS/01	F/SL/EQUIP-6.4/13-a/00	03.05.2024	03.07.2025
6996 DT/2020	Gaseous Attachment Sample	SATPL/AIR/RDS/01-A	F/SL/EQUIP-6.4/13-a/00	03.05.2024	03.07.2025
556277	Digital Electronic Balance	SL/SMB/41	ms23-24103k1122-57	19/03/2024	18/03/2025
NA	Digital Spectrophotometer Model	SL/UV/34	Inhouse Calibration	

Verified By,

Sr. Analyst



---End of Test Report---

For Shreeji Aqua Treatment Pvt.Ltd.

Managing Director
(Authorized Signatory)



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sevli, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiagua.com • **Email:** info@shreejiagua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India.

Test Report No.	SL/24-25/06/MAA/08z, 55P, 94U, 1438B, 203AW, 208AL, 288I, 315Z	T. R. Date	05/07/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONAANDNAVELIM, BICHOLIM-GOA.		
Letter Ref/Date.	Ref. No. 4920071187 dated 12/06/2024		
Sampling Done By	SATPL Representative	Page No.	1 of 1
Month of Sampling	June- 2024		

SAMPLING DETAILS - AMBIENT AIR MONITORING: -

Sampling Location	Location- Navelim Village
Duration of Sampling [Hrs.]	24
Average Ambient Temperature [°C]	28.0
Average Relative Humidity [%]	90

ANALYSIS REPORT: -

Sr. No.	Report No.	Date of Sampling	Parameters											
			PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	CO***	Pb	C ₆ H ₆	As	Ni	O ₃ ***	B(a)P
1	SL/24-25/06/MAA/08z	03/06/2024	42.75	21.62	9.77	17.04	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
2	SL/24-25/06/MAA/55P	08/06/2024	47.59	24.53	8.46	17.75	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
3	SL/24-25/06/MAA/94U	10/06/2024	44.27	22.04	9.77	16.76	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
4	SL/24-25/06/MAA/1438B	13/06/2024	45.01	22.46	9.12	16.34	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
5	SL/24-25/06/MAA/203AW	18/06/2024	45.16	22.46	9.12	16.50	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
6	SL/24-25/06/MAA/208AL	20/06/2024	44.42	22.46	9.12	17.71	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
7	SL/24-25/06/MAA/288I	24/06/2024	42.95	21.21	8.46	16.92	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
8	SL/24-25/06/MAA/315Z	27/06/2024	45.23	22.46	9.12	16.34	<20.0	0.30	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³

*N.A.A.Q.S.—National Ambient Air Quality Standards.

**Annual arithmetic means of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

***Hourly Value

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-F-95190220277	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	19.03.2024	18.03.2025
19-F-955W-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	ET03222	19.03.2024	18.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	19.03.2024	18.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BPI/05	MB03228	19.03.2024	18.03.2025
1080 H21	FINE DUST SAMPLER (PM2.5)	SATPL/AIR/FDS/02	F/SL/B/EQUIP-6.4/13-a/00	03.05.2024	03.07.2025
2904DTB2021	RDS (PM10)	SATPL/AIR/RDS/02	F/SL/B/EQUIP-6.4/13-a/00	03.05.2024	03.07.2025
7093DTB2021	Gaseous Attachment Sample	SATPL/AIR/RDS/02-A	F/SL/B/EQUIP-6.4/13-a/00	03.05.2024	03.07.2025
556277	Digital Electronic Balance	SL/SMB/41	uu23-241031d122-57	19/03/2024	18/03/2025
NA	Digital Spectrophotometer Model	SL/UV/34		Inhouse Calibration	

Verified By,

For Shreeji Aqua Treatment Pvt.Ltd.

Sr. Analyst



---End of Test Report---

Managing Director
(Authorized Signatory)



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

Test Report No.	SL/24-25/07/MAA/08G, 92AE, 125d, 193r, 207q, 217G, 221aj, 256a, 277R.	T. R. Date	05/07/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONAANDNAVELIM, BICHOLIM-GOA.		
Letter Ref/ Date.	Ref.No.4920071185 dated 12/06/2024		
Sampling Done By	SATPL Representative	Page No.	1of1
Month of Sampling	JULY- 2024		

SAMPLINGDETAILS - AMBIENTAIRMONITORING: -

Sampling Location	Location-Near Amona Village
Duration of Sampling [Hrs.]	24
Average Ambient Temperature[°C]	27.0
Average Relative Humidity [%]	95

ANALYSISREPORT:-

Sr. No	Report No.	Date of Sampling	Parameters											
			PM10	PM2.5	SO2	NOx	NH3	CO***	Pb	C6H6	As	Ni	O3***	B(a)P
1	SL/24-25/07/MAA/08G	01/07/2024	44.95	22.87	9.12	16.79	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
2	SL/24-25/07/MAA/92AE	04/07/2024	38.89	19.54	9.77	16.47	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
3	SL/24-25/07/MAA/125d	08/07/2024	35.42	17.05	9.12	17.01	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
4	SL/24-25/07/MAA/193r	11/07/2024	36.84	18.30	9.12	16.44	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
5	SL/24-25/07/MAA/207q	15/07/2024	35.64	18.30	9.77	17.55	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
6	SL/24-25/07/MAA/217G	18/07/2024	37.78	19.54	10.42	15.99	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
7	SL/24-25/07/MAA/221aj	22/07/2024	36.25	18.30	9.12	16.69	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
8	SL/24-25/07/MAA/256a	25/07/2024	37.92	18.71	9.12	16.28	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
9	SL/24-25/07/MAA/277R	29/07/2024	39.71	18.30	9.12	16.34	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³

*N.A.A.Q.S-National Ambient Air Quality Standards.

**Annual arithmetic means of minimum 104 measurements in a year at particular site taken twice a week 24 hourly at uniform intervals.

***Hourly Value

EQUIPMENTCALIBRATIONDETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-F-95	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	16.03.2024	15.03.2025
19-F-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	E103222	16.03.2024	15.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	18.03.2024	17.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BP/05	ME03228	18.03.2024	17.03.2025
1012DTBQ021	FINEDUSTSAMPLER (PM2.5)	SATPL/AIR/AAS/25	ASFM/2023-24/205-09	19.03.2024	18.03.2025
2909DTJ2020	RDS (PM10)	SATPL/AIR/AAS/25	ASFM/2023-24/205-09	19.03.2024	18.03.2025
6996DTJ2020	Gaseous Attachment Sample	SATPL/AIR/AAS/25	ASFM/2023-24/205-09	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UV/34		Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

—End of Test Report—

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhall, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL, as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

Test Report No.	SL/24-25/07/MAA/DBL, 92AG, 125f, 193t, 207s, 217t, 221al, 256c, 277T.	T. R. Date	05/07/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONAANDNAVELIM, BICHOLIM-GOA.		
Letter Ref/Date.	Ref. No. 4920071187 dated 12/06/2024		
Sampling Done By	SATPL Representative	Page No.	1of1
Month of Sampling	JULY- 2024		

SAMPLING DETAILS - AMBIENT AIR MONITORING: -

Sampling Location	Location- Navelim Village
Duration of Sampling [Hrs.]	24
Average Ambient Temperature [°C]	27.0
Average Relative Humidity [%]	95

ANALYSIS REPORT: -

Sr. No.	Report No.	Date of Sampling	Parameters											
			PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	CO***	Pb	C ₆ H ₆	As	Ni	O ₃ ***	B(a)P
1	SL/24-25/07/MAA/DBL	01/07/2024	42.89	21.62	9.77	16.76	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
2	SL/24-25/07/MAA/92AG	04/07/2024	41.56	20.38	8.46	16.22	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
3	SL/24-25/07/MAA/125f	08/07/2024	36.87	18.30	8.46	16.63	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
4	SL/24-25/07/MAA/193t	11/07/2024	38.54	19.54	9.12	15.99	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
5	SL/24-25/07/MAA/207s	15/07/2024	37.18	18.71	9.12	16.31	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
6	SL/24-25/07/MAA/217t	18/07/2024	38.07	19.96	9.12	16.44	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
7	SL/24-25/07/MAA/221al	22/07/2024	40.81	20.38	9.12	16.38	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
8	SL/24-25/07/MAA/256c	25/07/2024	42.37	21.21	9.12	16.69	<20.0	0.30	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
9	SL/24-25/07/MAA/277T	29/07/2024	42.93	21.62	9.12	16.69	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³

*N.A.A.Q.S.-National Ambient Air Quality Standards.

**Annual arithmetic means of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

***Hourly Value

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Details	
				Calibrated Date	Calibration Due Date
19-F-95	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	16.03.2024	15.03.2025
19-F-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	ET03222	16.03.2024	15.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	18.03.2024	17.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BP/05	ME03228	18.03.2024	17.03.2025
1080H21	FINE DUST SAMPLER (PM2.5)	SATPL/AIR/AAS/19	ASFM/2023-24/205-07	19.03.2024	18.03.2025
2984DTB2021	RDS (PM10)	SATPL/AIR/AAS/19	ASFM/2023-24/205-07	19.03.2024	18.03.2025
7093DTB2021	Gaseous Attachment Sample	SATPL/AIR/AAS/19	ASFM/2023-24/205-07	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UV/34	Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
(Authorized Signatory)

-----End of Test Report-----

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: T&S, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savi, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiacqua.com Web: www.shreejiacqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiacqua.com



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL, Valid Up to 13/06/2026.

Test Report No.	SL/24-25/08/MAA/10a, 20g, 49L, 94R, 115L, 117L, 132g, 165R, 179L	T. R. Date	05/09/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONAANDNAVELIM, BICHOLIM-GOA.		
Letter Ref/ Date.	Ref.No.4920071185 dated 12/06/2024		
Sampling Done By	SATPL Representative	Page No.	1of1
Month of Sampling	AUGUST- 2024		

SAMPLINGDETAILS - AMBIENTAIRMONITORING: -

Sampling Location	Location-Near Amona Village
Duration of Sampling [Hrs.]	24
Average Ambient Temperature[°C]	27.0
Average Relative Humidity [%]	92

ANALYSISREPORT:-

Sr. No	Report No.	Date of Sampling	Parameters												
			PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	CO***	Pb	C ₆ H ₆	As	Ni	O ₃ ***	B(a)P	
1	SL/24-25/08/MAA/10a	01/08/2024	32.68	16.22	10.42	16.69	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
2	SL/24-25/08/MAA/20g	06/08/2024	36.51	17.47	10.42	16.41	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
3	SL/24-25/08/MAA/49L	09/08/2024	36.30	18.30	8.46	16.98	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
4	SL/24-25/08/MAA/94R	12/08/2024	36.68	19.13	9.77	16.41	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
5	SL/24-25/08/MAA/115L	15/08/2024	35.39	17.05	9.12	17.52	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
6	SL/24-25/08/MAA/117L	19/08/2024	36.68	18.30	11.07	15.96	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
7	SL/24-25/08/MAA/132g	22/08/2024	35.16	17.47	9.77	16.60	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
8	SL/24-25/08/MAA/165R	26/08/2024	37.29	19.54	9.77	16.22	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
9	SL/24-25/08/MAA/179L	29/08/2024	39.56	19.96	8.46	16.31	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1	
Units			µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	mg/m³	µg/m³	µg/m³	ng/m³	ng/m³	µg/m³	ng/m³	

*N.A.A.Q.S.-National Ambient Air Quality Standards.

**Annual arithmetic means of minimum 104 measurements in a year at particular site taken twice a week 24 hourly at uniform intervals.

***Hourly Value

EQUIPMENTCALIBRATIONDETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-F-95	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/PC/18	FF03221	16.03.2024	15.03.2025
19-F-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/PC/18	ET03222	16.03.2024	15.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	16.03.2024	17.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/SP/06	ME03228	16.03.2024	17.03.2025
1012DTR2021	FINEDUSTSAMPLER (PM2.5)	SATPL/AIR/AAS/25	ASFM/2023-24/205-09	19.03.2024	18.03.2025
2909DT/2020	RDG (PM10)	SATPL/AIR/AAS/25	ASFM/2023-24/205-09	19.03.2024	18.03.2025
0956DT/2020	Gaseous Attachment Sample	SATPL/AIR/AAS/25	ASFM/2023-24/205-09	19.03.2024	18.03.2025
59827	Digital Electronic Balance	SL/SMS/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	8000V/34			

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Quality Manager
Authorized Signatory

—End of Test Report—

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewad, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: T&S, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savl, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 30/06/2026.

Test Report No.	SL/24-25/08/MAA/10c, 20s, 49, 94T, 115N, 117N, 132i, 165T, 179M	T. R. Date	05/09/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONAANDNAVELIM, BICHOLIM-GOA.		
Letter Ref/Date.	Ref. No. 4920071187 dated 12/06/2024		
Sampling Done By	SATPL Representative	Page No.	1of1
Month of Sampling	AUGUST- 2024		

SAMPLING DETAILS - AMBIENT AIR MONITORING: -

Sampling Location	Location- Navelim Village
Duration of Sampling [Hrs.]	24
Average Ambient Temperature [°C]	27.0
Average Relative Humidity [%]	92

ANALYSIS REPORT:-

Sr. NO.	Report No.	Date of Sampling	Parameters												
			PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	CO***	Pb	C ₆ H ₆	As	Ni	O ₃ ***	B(a)P	
1	SL/24-25/08/MAA/10c	01/08/2024	31.05	15.80	10.42	16.73	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
2	SL/24-25/08/MAA/20s	06/08/2024	35.68	17.05	9.12	16.18	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
3	SL/24-25/08/MAA/49j	09/08/2024	33.28	16.63	9.12	16.60	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
4	SL/24-25/08/MAA/94T	12/08/2024	37.74	18.71	8.46	15.96	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
5	SL/24-25/08/MAA/115N	15/08/2024	30.39	15.39	8.46	16.28	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
6	SL/24-25/08/MAA/117N	19/08/2024	32.51	16.22	8.46	16.41	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
7	SL/24-25/08/MAA/132i	22/08/2024	34.77	17.47	8.46	16.34	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
8	SL/24-25/08/MAA/165T	26/08/2024	33.81	16.22	9.77	16.66	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
9	SL/24-25/08/MAA/179M	29/08/2024	35.94	17.05	9.12	16.66	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1	
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³	

*N.A.A.Q.S.-National Ambient Air Quality Standards.

**Annual arithmetic means of minimum304 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

***Hourly Value

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-F-95	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	16.03.2024	15.03.2025
19-F-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	EF03222	16.03.2024	15.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	18.03.2024	17.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BP/05	NE03228	18.03.2024	17.03.2025
1080H21	FINE DUST SAMPLER (PM2.5)	SATPL/AIR/AAS/19	ASFM/2023-24/205-07	19.03.2024	18.03.2025
2984DT82021	RDS (PM10)	SATPL/AIR/AAS/19	ASFM/2023-24/205-07	19.03.2024	18.03.2025
7093DT82021	Gaseous Attachment Sample	SATPL/AIR/AAS/19	ASFM/2023-24/205-07	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/SMB/34			Inhouse Calibration

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Quality Manager
(Authorized Signatory)

-----End of Test Report-----

Pune: Plot No. B-24, M Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreeji aqua.com Web: www.shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

Test Report No.	SL/24-25/09/MAA/11T, 27, 94T, 110P, 1600, 184T, 2100aa, 248ZH, 290.	T. R. Date	05/10/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONAANDNAVELIM, BICHOLIM-GOA.		
Letter Ref/Date.	Ref. No. 4920071187 dated 12/06/2024		
Sampling Done By	SATPL Representative	Page No.	1of1
Month of Sampling	SEPTEMBER- 2024		

SAMPLING DETAILS - AMBIENTAIRMONITORING: -

Sampling Location	Location- Navelim Village
Duration of Sampling [Hrs.]	24
Average Ambient Temperature [°C]	28.0
Average Relative Humidity [%]	89

ANALYSIS REPORT: -

Sr. NO.	Report No.	Date of Sampling	Parameters												
			PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	CO***	Pb	C ₆ H ₆	As	NI	O ₃ ***	B(a)P	
1	SL/24-25/09/MAA/11T	02/09/2024	30.14	14.97	9.12	16.92	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
2	SL/24-25/09/MAA/27J	05/09/2024	34.94	17.05	8.46	16.06	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
3	SL/24-25/09/MAA/94T	09/09/2024	32.51	16.22	9.77	16.63	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
4	SL/24-25/09/MAA/110P	12/09/2024	32.06	15.80	9.12	16.06	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
5	SL/24-25/09/MAA/1600	16/09/2024	31.67	15.80	9.12	16.34	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
6	SL/24-25/09/MAA/184T	19/09/2024	34.48	17.05	9.12	16.28	<20.0	0.37	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
7	SL/24-25/09/MAA/2100aa	23/09/2024	32.10	15.80	9.77	16.54	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
8	SL/24-25/09/MAA/248ZH	25/09/2024	30.57	14.97	9.12	16.57	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
9	SL/24-25/09/MAA/290	30/09/2024	32.86	16.22	8.46	16.63	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2	
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1	
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³	

*N.A.A.Q.S.-National Ambient Air Quality Standards.

**Annual arithmetic means of minimum104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

***Hourly Value

EQUIPMENTCALIBRATIONDETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Dat
15-F-05	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AR/FC/38	FF03211	16.03.2024	15.03.2025
16-F-05	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AR/FC/38	ET03222	16.03.2024	15.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/22	FF03227	16.03.2024	17.03.2025
1119	Digital Barometric Pressure Indicator	SATPL/AIR/BP/05	ME03228	18.03.2024	17.03.2025
2080H21	FINEDUSTSAMPLER (PM2.5)	SATPL/AIR/AAS/19	ASPM/2023-24/205-07	19.03.2024	18.03.2025
20840TB2021	RDS (PM10)	SATPL/AIR/AAS/19	ASPM/2023-24/205-07	19.03.2024	18.03.2025
20930TB2021	Gaseous Attachment Sample	SATPL/AIR/AAS/19	ASPM/2023-24/205-07	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/S302/01	ACS/456/CM 30/210072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model			Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Quality Manager
(Authorized Signatory)

—End of Test Report—

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewad, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

Test Report No.	SL/24-25/09/MAA/115, 271, 945, 1100, 160N, 1845, 210aan, 2482G, 289.	T. R. Date	05/30/2024
Customer Name and Address	M/s. VEDANTA LIMITED VALUE ADDITION BUSINESS, AMONAANDNAVELIM, BICHOLIM-GOA.		
Letter Ref/ Date.	Ref.No.4920071185 dated 12/06/2024		
Sampling Done By	SATPL Representative	Page No.	1of1
Month of Sampling	SEPTEMBER- 2024		

SAMPLINGDETAILS - AMBIENTAIRMONITORING: -

Sampling Location	Location-Near Amona Village
Duration of Sampling [Hrs.]	24
Average Ambient Temperature[°C]	28.0
Average Relative Humidity [%]	89

ANALYSISREPORT->

Sr. No	Report No.	Date of Sampling	Parameters											
			PM ₁₀	PM _{2.5}	SO ₂	NO ₂	NH ₃	CO***	Pb	C ₆ H ₆	As	Ni	O ₃ ***	B(a)P
1	SL/24-25/09/MAA/115	02/09/2024	32.58	16.22	9.77	16.85	<20.0	0.28	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
2	SL/24-25/09/MAA/271	05/09/2024	33.77	16.22	11.72	16.44	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
3	SL/24-25/09/MAA/945	09/09/2024	34.56	17.05	9.12	16.89	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
4	SL/24-25/09/MAA/1100	12/09/2024	33.18	16.22	9.12	16.44	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
5	SL/24-25/09/MAA/160N	16/09/2024	30.45	15.39	8.46	17.20	<20.0	0.27	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
6	SL/24-25/09/MAA/1845	19/09/2024	32.18	15.80	11.72	16.15	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
7	SL/24-25/09/MAA/210aan	23/09/2024	33.48	16.63	9.12	16.82	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
8	SL/24-25/09/MAA/2482G	26/09/2024	34.20	17.05	9.12	16.54	<20.0	0.26	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
9	SL/24-25/09/MAA/289	30/09/2024	35.75	16.63	9.12	16.66	<20.0	0.29	<0.1	<1.0	<5.0	<5.0	<20.0	<0.2
NAAQS Limits*			100	60	80	80	400	4	1	5	6	20	100	1
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³

*N.A.A.Q.S.-National Ambient Air Quality Standards.

**Annual arithmetic means of minimum 104 measurements in a year at particular site taken twice a week 24 hourly at uniform intervals.

***Hourly Value

EQUIPMENTCALIBRATIONDETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
19-F-95	Flow Calibrator for DGM & Rotameter (Dry Gas Meter)	SATPL/AIR/FC/18	FF03221	16.03.2024	15.03.2025
19-F-95	Flow Calibrator for DGM & Rotameter (Stop Watch)	SATPL/AIR/FC/18	ET03222	16.03.2024	15.03.2025
0219	Top loading Orifice Flow Calibrator	SATPL/AIR/TLOC/23	FF03227	18.03.2024	17.03.2025
1139	Digital Barometric Pressure Indicator	SATPL/AIR/BP/05	MB03218	18.03.2024	17.03.2025
1012DT82021	FINEDUSTSAMPLER (PM2.5)	SATPL/AIR/AAS/25	ASPM/2023-24/205-09	19.03.2024	18.03.2025
2909DT12020	RDS (PM10)	SATPL/AIR/AAS/25	ASPM/2023-24/205-09	19.03.2024	18.03.2025
6096DT12020	Gaseous Attachment Sample	SATPL/AIR/AAS/25	ASPM/2023-24/205-09	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/MSB/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model				Inhouse Calibration

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Quality Manager
Authorized Signatory

---End of Test Report---

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com

Annexure VII

Riverine water quality reports from April'24 to September'24.



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nefru Nagar, Pimpri, Pune-411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sevli, Lamdapura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune-411019
Customer Care No.: +919225247365
Web : www.shreejiacqua.com * Email: info@shreejiacqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/04/2024
ULR No: TC704224000010973P

TEST REPORT

01/04/2024

Sample / Report No.	SL/23-24/03/MFW/357G		
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)		
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.		
Order / Reference	As per TRF dated 28/03/2024		
Sample declaration as provided by customer :			
Nature of Sample	River upstream sample (100 mtrs. upstream from discharge point)		
Batch No.	NA		
Sample Drawn by	SATPL Representative on 28/03/2024	Sample Received On	28/03/2024
Start of Analysis	28/03/2024	End of Analysis	01/04/2024
Sample Container	Plastic Bottle + Glass Bottle	Sample Quantity	2000 ml + 100 ml
Sampling Procedure	APHA 1060 (Part B)		
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters		

Parameters	Results	Limits	Unit	Method	Remark
Biological Testing					
Fecal coliform	32.0	<100.0	MPN/100 ml	IS (1622):1981R2019	Complies

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.

Disclaimer: *Information supplied by customers represented in italic font*

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration Daily	
D3075345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025
-----	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025
-----	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025
-----	Oven	SL/HAD-1/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025
-----	Water Bath	SL/WB/06	UI/24-25/03/S/122-10	19/03/2024	18/03/2025
10242	Autoclave	SL/AC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025

Verified By,


Sr. Analyst

For Shreeji Aqua Treatment Pvt.Ltd.




Managing Director
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

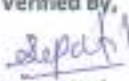

Innovative Environmental Solutions Under One Roof

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune-411018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune-411019
Customer Care No.: +919225247365
Web : www.shreejiagua.com * Email: info@shreejiagua.com

An ISO 9001:2015
Certified Company
ISO 45001 : 2018



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/04/2024
ULR No: TC704224000010973F

TEST REPORT						01/04/2024
Sample / Report No.	SL/23-24/03/MFW/357G					
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)					
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.					
Order / Reference	As per TRF dated 28/03/2024					
Sample declaration as provided by customer :						
Nature of Sample	River upstream sample (100 mtrs. upstream from discharge point)					
Batch No.	NA					
Sample Drawn by	SATPL Representative on 28/03/2024	Sample Received On	28/03/2024			
Start of Analysis	28/03/2024	End of Analysis	01/04/2024			
Sample Container	Plastic Bottle + Glass Bottle	Sample Quantity	2000 ml + 100 ml			
Sampling Procedure	APHA 1060 (Part B)					
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters					
Parameters	Results	Limits	Unit	Method	Remark	
Chemical Testing						
pH	7.28	6.5-8.5	---	APHA, 24 th Edition 2022/4500-H* B	Complies	
Dissolved Oxygen	4.4	>4.0	mg/lit	APHA (24 th Edition) 4500 O C	Complies	
Turbidity	5.2	<30.0	NTU	APHA (24 th Edition) 2130 B	Complies	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.5	<3.0	mg/lit	IS 3025 (Part 44): 2023	Complies	
Temperature	27.9	---	°C	APHA (24 th Edition) 2550 B	Complies	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.						
Disclaimer: <i>Information supplied by customers represented in italic font</i>						
Verified By,  Sr. Analyst	For Shreeji Aqua Treatment Pvt.Ltd.				 Managing Director Authorized Signatory	



A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejaqua.com • Email: info@shreejaqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/04/2024
ULR NO: TC704224000010972P

TEST REPORT

01/04/2024

Sample / Report No.	SL/23-24/03/MFW/357F				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.				
Order / Reference	As per TRF dated 28/03/2024				
Sample declaration as provided by customer :					
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 28/03/2024	Sample Received On	28/03/2024		
Start of Analysis	28/03/2024	End of Analysis	01/04/2024		
Sample Container	Plastic Bottle + Glass Bottle	Sample Quantity	2000 ml + 100 ml		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters	Results	Limits	Unit	Method	Remark
Biological Testing					
Fecal coliform	32.0	<100.0	MPN/100 ml	IS (1622):1981R2019	Complies

REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.
Disclaimer: *Information supplied by customers represented in italic font*

EQUIPMENT CALIBRATION DETAILS

No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration	Daily
D3075345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025
-----	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025
-----	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025
-----	Oven	SL/HAO-I/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025
-----	Water Bath	SL/WB/08	UI/24-25/03/S/122-10	19/03/2024	18/03/2025
10242	Autoclave	SL/AC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025

Verified By,


Sr. Analyst

For Shreeji Aqua Treatment Pvt.Ltd.




Managing Director
Authorized Signatory

End of Test Report

The results relate to sample tested.

Page 2 of 2



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune-411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sexli, Lamdapura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune-411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

An ISO 9001:2015
Certified Company
ISO 45001 : 2018



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/04/2024

ULR No: TC704224000010972F

TEST REPORT					01/04/2024
Sample / Report No.	SL/23-24/03/MFW/357P				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.				
Order / Reference	As per TRF dated 28/03/2024				
Sample declaration as provided by customer :					
Nature of Sample	River downstream sample (100 mtrs. downstream from discharge point)				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 28/03/2024	Sample Received On	28/03/2024		
Start of Analysis	28/03/2024	End of Analysis	01/04/2024		
Sample Container	Plastic Bottle + Glass Bottle	Sample Quantity	2000 ml + 100 ml		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters	Results	Limits	Unit	Method	Remark
Chemical Testing					
pH	7.19	6.5-8.5	---	APHA, 24 th Edition 2022/4500-H•B	Complies
Dissolved Oxygen	4.6	>4.0	mg/lit	APHA (24 th Edition) 4500 O C	Complies
Turbidity	5.2	<30.0	NTU	APHA (24 th Edition) 2130 B	Complies
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.8	<3.0	mg/lit	IS 3025 (Part 44): 2023	Complies
Temperature	27.9	---	°C	APHA (24 th Edition) 2550 B	Complies
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.					
Disclaimer: <i>Information supplied by customers represented in italic font</i>					
Verified By, <i>Depak!</i> Sr. Analyst				For Shreeji Aqua Treatment Pvt.Ltd.	
				<i>SJM</i> Managing Director Authorized Signatory	

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

An ISO 9001:2015
Certified Company
ISO 45001 : 2018



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024.

ULR No: TC704224000008516F

TEST REPORT					13/04/2024
Sample / Report No.	SL/24-25/04/MFW/34AL				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.				
Order / Reference	As per TRF dated 08/04/2024				
Sample declaration as provided by customer :					
Nature of Sample	<i>River upstream sample (100 mtrs. upstream from discharge point)</i>				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 08/04/2024	Sample Received On	09/04/2024		
Start of Analysis	09/04/2024	End of Analysis	13/04/2024		
Sample Container	Plastic Can	Sample Quantity	2 lit + 100 ml		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.38	6.5-8.5	----	APHA, 24 th Edition 2023/4500-H* B	
Dissolved Oxygen	4.3	>4.0	mg/lit	APHA, 24 th Edition 2023/4500-B & C	
Turbidity	5.9	<30.0	NTU	APHA, 24 th Edition 2023/ 2130-B	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.6	<3.0	mg/lit	IS 3025 (Part 44): 2023	
Temperature	27.8	----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.					
Disclaimer: <i>Information supplied by customers represented in italic font</i>					
Verified By,				For Shreeji Aqua Treatment Pvt.Ltd.	
Sr. Analyst					
				Managing Director Authorized Signatory	

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.7, Shah Ind. Park-1, Vadodara-Sarfi, Lamdapura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejaqua.com • Email: info@shreejaqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024

ULR No: TC704224000008516P

TEST REPORT

13/04/2024

Sample / Report No.	SL/24-25/04/MFW/34AL		
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)		
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.		
Order / Reference	As per TRF dated 08/04/2024		
Sample declaration as provided by customer :			
Nature of Sample	<i>River upstream sample (100 mtrs. upstream from discharge point)</i>		
Batch No.	NA		
Sample Drawn by	SATPL Representative on 08/04/2024	Sample Received On	09/04/2024
Start of Analysis	09/04/2024	End of Analysis	13/04/2024
Sample Container	Sterile Plastic Bottle	Sample Quantity	2 lit+ 100 ml
Sampling Procedure	APHA 1060 (Part B)		
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters		

Parameters	Results	Limits	Unit	Method
Biological Testing				
Fecal coliform	49.0	<100.0	MPN/100ml	IS (1622):1981R2019

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.

Disclaimer: *Information supplied by customers represented in italic font*

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration	Daily
03075345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025
.....	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025
.....	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025
.....	Oven	SL/BAO-1/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025
.....	Water Bath	SL/WB/08	UI/24-25/03/S/122-10	19/03/2024	18/03/2025
10242	Autoclave	SL/AC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025

Verified By,

Ringne

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

SJM

Managing Director
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune-411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 33, Purna Nagar, Chikhli, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiacqua.com • **Email:** info@shreejiacqua.com

An ISO 9001:2015
Certified Company
ISO 45001 : 2018



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024

ULR No: TC704224000008515F

TEST REPORT

13/04/2024

Sample / Report No.	SL/24-25/04/MFW/34AK			
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)			
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.			
Order / Reference	As per TRF dated 08/04/2024			
Sample declaration as provided by customer :				
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>			
Batch No.	NA			
Sample Drawn by	SATPL Representative on 08/04/2024	Sample Received On	09/04/2024	
Start of Analysis	09/04/2024	End of Analysis	13/04/2024	
Sample Container	Plastic Can	Sample Quantity	2 lit + 100 ml	
Sampling Procedure	APHA 1060 (Part B)			
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters			
Parameters	Result	Limits	Unit	Method
Chemical Testing				
pH	7.24	6.5-8.5	---	APHA, 24 th Edition 2023/4500-H• B
Dissolved Oxygen	4.6	>4.0	mg/lit	APHA, 24 th Edition 2023/4500-B & C
Turbidity	5.1	<30.0	NTU	APHA, 24 th Edition 2023/ 2130-B
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.0	<3.0	mg/lit	IS 3025 (Part 44): 2023
Temperature	27.8	---	°C	IS 3025(Part 9): 2023
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.				
Disclaimer: <i>Information supplied by customers represented in italic font</i>				
Verified By,  Sr. Analyst				For Shreeji Aqua Treatment Pvt.Ltd.  Managing Director Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001:2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 164, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejaqua.com • Email: info@shreejaqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024

ULR No: TC704224000008515P

TEST REPORT

13/04/2024

Sample / Report No.	SL/24-25/04/MFW/34AK				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.				
Order / Reference	As per TRF dated 08/04/2024				
Sample declaration as provided by customer :					
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 08/04/2024	Sample Received On	09/04/2024		
Start of Analysis	09/04/2024	End of Analysis	13/04/2024		
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters	Results	Limits	Unit	Method	
Biological Testing					
Fecal coliform	49.0	<100.0	MPN/100ml	IS (1622):1981R2019	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit. Disclaimer: <i>Information supplied by customers represented in italic font</i>					
EQUIPMENT CALIBRATION DETAILS					
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration Daily	
03075345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025
.....	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025
.....	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025
.....	Oven	SL/HAO-1/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025
.....	Water Bath	SL/WB/08	UI/24-25/03/S/122-10	19/03/2024	18/03/2025
10242	Autoclave	SL/AC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025
Verified By,				For Shreeji Aqua Treatment Pvt.Ltd.	
					
Sr. Analyst				Managing Director Authorized Signatory	
					

—End of Test Report—

The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiacqua.com • Email: info@shreejiacqua.com

An ISO 9001:2015
Certified Company
ISO 45001 : 2018



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024

ULR No: TC704224000008794F

TEST REPORT

02/05/2024

Sample / Report No.	SL/24-25/04/MFW/188ag			
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)			
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO: 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.			
Order / Reference	As per TRF dated 27/04/2024			
Sample declaration as provided by customer :				
Nature of Sample	River upstream sample (100 mtrs. upstream from discharge point)			
Batch No.	NA			
Sample Drawn by	SATPL Representative on 27/04/2024	Sample Received On	29/04/2024	
Start of Analysis	29/04/2024	End of Analysis	02/05/2024	
Sample Container	Plastic Can	Sample Quantity	2 Lit	
Sampling Procedure	APHA 1060 (Part B)			
Limits	GSPCB Consent No. 5/416/95-PCB/C1-5196/ AS per Class SW – II Waters			
Parameters	Results	Limits	Unit	Method
Chemical Testing				
pH	7.35	6.5-8.5	---	APHA, 24 th Edition 2023/4500-H* B
Dissolved Oxygen	4.5	>4.0	mg/lit	APHA, 24 th Edition 2023/4500-B & C
Turbidity	5.5	<30.0	NTU	APHA, 24 th Edition 2023/ 2130-B
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.4	<3.0	mg/lit	IS 3025 (Part 44): 2023
Temperature	28.1	---	°C	IS 3025(Part 9): 2023

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.

Disclaimer: 'Information supplied by customers represented in italic font

Verified By,

Sapathil

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

SJM

Managing Director
Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Landapur, 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiagua.com • Email: info@shreejiagua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024

ULR No: TC704224000008794P

TEST REPORT					02/05/2024	
Sample / Report No.	SL/24-25/04/MFW/188ag					
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)					
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.					
Order / Reference	As per TRF dated 27/04/2024					
Sample declaration as provided by customer :						
Nature of Sample	<i>River upstream sample (100 mtrs. upstream from discharge point)</i>					
Batch No.	NA					
Sample Drawn by	SATPL Representative on 27/04/2024	Sample Received On	29/04/2024			
Start of Analysis	29/04/2024	End of Analysis	02/05/2024			
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml			
Sampling Procedure	APHA 1060 (Part B)					
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5396/ AS per Class SW – II Waters					
Parameters	Results	Limits	Unit	Method		
Biological Testing						
Fecal coliform	39.0	<100.0	MPN/100 ml	IS (1622):1981R2019		
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit. <i>Disclaimer: 'Information supplied by customers represented in italic font</i>						
EQUIPMENT CALIBRATION DETAILS						
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail		
				Calibrated Date	Calibration Due Date	
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration Daily		
D307S345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025	
-----	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025	
-----	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025	
-----	Oven	SL/HAO-4/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025	
-----	Water Bath	SL/WB/08	UI/24-25/03/S/122-10	19/03/2024	18/03/2025	
10242	Autoclave	SL/AC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025	
Verified By,						For Shreeji Aqua Treatment Pvt.Ltd.
						
Sr. Analyst						Managing Director Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Pune : 21A, Shreeji Complex, Netru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdepura, 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.1 +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

An ISO 9001:2015
Certified Company
ISO 45001 : 2018



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024.

ULR No: TC704224000008793F

TEST REPORT					02/05/2024
Sample / Report No.	SL/24-25/04/MFW/188af				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.				
Order / Reference	As per TRF dated 27/04/2024				
Sample declaration as provided by customer :					
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 27/04/2024	Sample Received On	29/04/2024		
Start of Analysis	29/04/2024	End of Analysis	02/05/2024		
Sample Container	Plastic Can	Sample Quantity	2 Lit		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5195/ AS per Class SW – II Waters				
Parameters	Result	Limits	Unit	Method	
Chemical Testing					
pH	7.24	6.5-8.5	---	APHA, 24 th Edition 2023/4500-H* B	
Dissolved Oxygen	4.8	>4.0	mg/lit	APHA, 24 th Edition 2023/4500-B & C	
Turbidity	5.4	<30.0	NTU	APHA, 24 th Edition 2023/2130-B	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.6	<3.0	mg/lit	IS 3025 (Part 44): 2023	
Temperature	28.1	---	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.					
Disclaimer: <i>Information supplied by customers represented in italic font</i>					
Verified By,				For Shreeji Aqua Treatment Pvt.Ltd.	
Sr. Analyst				Managing Director Authorized Signatory	

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune-411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purma Nagar, Chikhali, Pune-411019
Customer Care No.: +919225247365
Web : www.shreejaqua.com • Email: info@shreejaqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 07/05/2024

ULR No: TC704224000008793P

TEST REPORT

02/05/2024

Sample / Report No.	SL/24-25/04/MFW/188af		
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)		
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.		
Order / Reference	As per TRF dated 27/04/2024		
Sample declaration as provided by customer :			
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>		
Batch No.	NA		
Sample Drawn by	SATPL Representative on 27/04/2024	Sample Received On	29/04/2024
Start of Analysis	29/04/2024	End of Analysis	02/05/2024
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml
Sampling Procedure	APHA 1060 (Part B)		
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters		

Parameters	Results	Limits	Unit	Method
Biological Testing				
Fecal coliform	39.0	<100.0	MPN/100 ml	IS (1622):1981R2019

REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.

Disclaimer: *Information supplied by customers represented in italic font*

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration	Daily
D3075345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025
.....	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025
.....	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025
.....	Oven	SL/HAO-1/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025
.....	Water Bath	SL/WB/09	UI/24-25/03/S/122-10	19/03/2024	18/03/2025
10242	Autoclave	SL/AC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025

Verified By,

For Shreeji Aqua Treatment Pvt.Ltd.


Sr. Analyst




Managing Director
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sivli, Lamdaguna, 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

12/06/2024

Sample / Report No.	SL/24-25/06/MWW/77D			
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)			
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & /4, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.			
Order / Reference	As per TRF dated 07/06/2024			
Sample declaration as provided by customer :				
Nature of Sample	<i>River upstream sample (100 mtrs. upstream from discharge point)</i>			
Batch No.	NA			
Sample Drawn by	SATPL Representative on 07/06/2024	Sample Received On	08/06/2024	
Start of Analysis	08/06/2024	End of Analysis	12/06/2024	
Sample Container	Plastic Can	Sample Quantity	2 lit	
Sampling Procedure	APHA 1060 (Part B)			
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW - II Waters			
Parameters	Results	Limits	Unit	Method
Chemical Testing				
pH	7.35	6.5-8.5	—	APHA, 24 th Edition 2023/4500-H-B
Dissolved Oxygen	4.8	>4.0	mg/lit	APHA, 24 th Edition 2023/4500-B & C
Turbidity	7.1	<30.0	NTU	APHA, 24 th Edition 2023/2130-B
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.5	<3.0	mg/lit	IS 3025 (Part 44): 2023
Temperature	27.6	—	°C	IS 3025 (Part 9): 2023
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.				
Disclaimer: <i>Information supplied by customers represented in italic font</i>				
Verified by				For Shreeji Aqua Treatment Pvt. Ltd.
Sr. Analyst				 Managing Director (Authorized Signatory)

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

12/06/2024

Sample / Report No.	SL/24-25/06/MWW/77D			
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)			
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.			
Order / Reference	As per TRF dated 07/06/2024			
Sample declaration as provided by customer :				
Nature of Sample	<i>River upstream sample (100 mtrs. upstream from discharge point)</i>			
Batch No.	NA			
Sample Drawn by	SATPL Representative on 07/06/2024	Sample Received On	08/06/2024	
Start of Analysis	08/06/2024	End of Analysis	12/06/2024	
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml	
Sampling Procedure	APHA 1060 (Part B)			
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters			
Parameters	Results	Limits	Unit	Method
Biological Testing				
Fecal coliform	50.0	<100.0	MPN/100ml	IS (1622):1981R2019

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.
Disclaimer: *Information supplied by customers represented in italic font*

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration	Daily
D3075345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025
---	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025
---	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025
---	Oven	SL/HAD-1/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025
---	Water Bath	SL/WB/08	UI/24-25/03/S/122-10	19/03/2024	18/03/2025
10242	Autoclave	SL/AC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025

Verified by

Pooja R

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

SJM

Managing Director
(Authorized Signatory)

— End of Test Report —

The results relate to sample tested.

Page 2 of 7



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof




An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodina-Savli, Lamdapura, 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune- 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com * Email: info@shreeji-aqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

12/06/2024

Sample / Report No.	SL/24-25/06/MWW/77C			
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)			
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.			
Order / Reference	As per TRF dated 07/06/2024			
Sample declaration as provided by customer :				
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>			
Batch No.	NA			
Sample Drawn by	SATPL Representative on 07/06/2024	Sample Received On	08/06/2024	
Start of Analysis	08/06/2024	End of Analysis	12/06/2024	
Sample Container	Plastic Can	Sample Quantity	2 lit	
Sampling Procedure	APHA 1060 (Part B)			
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters			
Parameters	Result	Limits	Unit	Method
Chemical Testing				
pH	7.24	6.5-8.5	---	APHA, 24 th Edition 2023/4500-H·B
Dissolved Oxygen	4.6	>4.0	mg/lit	APHA, 24 th Edition 2023/4500-B & C
Turbidity	5.8	<30.0	NTU	APHA, 24 th Edition 2023/ 2130-B
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.2	<3.0	mg/lit	IS 3025 (Part 44): 2023
Temperature	27.6	---	°C	IS 3025(Part 9): 2023
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit. Disclaimer: <i>'Information supplied by customers represented in Italic font'</i>				
Verified by			For Shreeji Aqua Treatment Pvt. Ltd.	
 Sr. Analyst			 Managing Director (Authorized Signatory)	

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-I, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

12/06/2024

Sample / Report No.	SL/24-25/06/MWW/77C		
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)		
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.		
Order / Reference	As per TRF dated 07/06/2024		
Sample declaration as provided by customer :			
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>		
Batch No.	NA		
Sample Drawn by	SATPL Representative on 07/06/2024	Sample Received On	08/06/2024
Start of Analysis	08/06/2024	End of Analysis	12/06/2024
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml
Sampling Procedure	APHA 1060 (Part B)		
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters		

Parameters	Results	Limits	Unit	Method
Biological Testing				
Fecal coliform	50.0	<100.0	MPN/100 ml	IS (1622):1981R2019

REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.
Disclaimer: *Information supplied by customers represented in italic font*

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration Daily	
03075345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025
---	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025
---	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025
---	Oven	SL/HAO-1/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025
---	Water Bath	SL/WB/00	UI/24-25/03/S/122-10	19/03/2024	18/03/2025
10242	Autoclave	SL/JAC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025

Verified by

Pingde

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

SJM

Managing Director
(Authorized Signatory)

—End of Test Report—

The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One-Roof

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sewli, Lamdapura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiagua.com • Email: info@shreejiagua.com

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018



TC-13877

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

ULR No: TC138772400008152F

TEST REPORT

29/06/2024

Sample / Report No.	SL/24-25/06/MWW/311L			
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)			
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.			
Order / Reference	As per TRF dated 24/06/2024			
Sample declaration as provided by customer :				
Nature of Sample	<i>River upstream sample (100 mtrs. upstream from discharge point)</i>			
Batch No.	NA			
Sample Drawn by	SATPL Representative on 24/06/2024	Sample Received On	25/06/2024	
Start of Analysis	25/06/2024	End of Analysis	29/06/2024	
Sample Container	Plastic Can	Sample Quantity	2 lit	
Sampling Procedure	APHA 1060 (Part B)			
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters			
Parameters	Results	Limits	Unit	Method
Chemical Testing				
pH	7.44	6.5-8.5	---	APHA, 24 th Edition 2023/4500-H*B
Dissolved Oxygen	4.2	>4.0	mg/lit	APHA, 24 th Edition 2023/4500-B & C
Turbidity	6.1	<30.0	NTU	APHA, 24 th Edition 2023/ 2130-B
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.3	<3.0	mg/lit	IS 3025 (Part 44): 2023
Temperature	27.9	---	°C	IS 3025(Part 9): 2023

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.

Disclaimer: *Information supplied by customers represented in italic font*

Verified by

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director
(Authorized Signatory)

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Sevli, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiacqua.com • Email: info@shreejiacqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

ULR No: TC138772400008152P

TEST REPORT

29/06/2024

Sample / Report No.	SL/24-25/06/MWW/311L				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.				
Order / Reference	As per TRF dated 24/06/2024				
Sample declaration as provided by customer :					
Nature of Sample	<i>River upstream sample (100 mtrs. upstream from discharge point)</i>				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 24/06/2024	Sample Received On	25/06/2024		
Start of Analysis	25/06/2024	End of Analysis	29/06/2024		
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters	Results	Limits	Unit	Method	
Biological Testing					
Fecal coliform	40.0	<100.0	MPN/100ml	IS (1622):1981R2019	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.					
Disclaimer: <i>Information supplied by customers represented in italic font</i>					
EQUIPMENT CALIBRATION DETAILS					
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration	Daily
D3075345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025
-----	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025
-----	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025
-----	Oven	SL/HAO-1/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025
-----	Water Bath	SL/WB/08	UI/24-25/03/S/122-10	19/03/2024	18/03/2025
10242	Autoclave	SL/AC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025
Verified by			For Shreeji Aqua Treatment Pvt. Ltd.		
					
Sr. Analyst			Managing Director (Authorized Signatory)		
					

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
OHSAS 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

ULR No: TC138772400008151F

29/06/2024

TEST REPORT				
Sample / Report No.	SL/24-25/06/MWW/311K			
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)			
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.			
Order / Reference	As per TRF dated 24/06/2024			
Sample declaration as provided by customer :				
Nature of Sample	River downstream sample (100 mtrs. downstream from discharge point)			
Batch No.	NA			
Sample Drawn by	SATPL Representative on 24/06/2024	Sample Received On	25/06/2024	
Start of Analysis	25/06/2024	End of Analysis	29/06/2024	
Sample Container	Plastic Can	Sample Quantity	2 lit	
Sampling Procedure	APHA 1060 (Part B)			
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters			
Parameters	Result	Limits	Unit	Method
Chemical Testing				
pH	7.32	6.5-8.5	-----	APHA, 24 th Edition 2023/4500-H•B
Dissolved Oxygen	4.5	>4.0	mg/lit	APHA, 24 th Edition 2023/4500-B & C
Turbidity	5.9	<30.0	NTU	APHA, 24 th Edition 2023/ 2130-B
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.7	<3.0	mg/lit	IS 3025 (Part 44): 2023
Temperature	27.9	---	°C	IS 3025(Part 9): 2023
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit. Disclaimer: <i>Information supplied by customers represented in italic font</i>				
Verified by			For Shreeji Aqua Treatment Pvt. Ltd.	
Sr. Analyst			Managing Director (Authorized Signatory)	

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
OHSAS 45001:2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind, Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiagua.com • Email: info@shreejiagua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

ULR No: TC138772400008151P

TEST REPORT

29/06/2024

Sample / Report No.	SL/24-25/06/MWW/311K		
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)		
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT – I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.		
Order / Reference	As per TRF dated 24/06/2024		
Sample declaration as provided by customer :			
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>		
Batch No.	NA		
Sample Drawn by	SATPL Representative on 24/06/2024	Sample Received On	25/06/2024
Start of Analysis	25/06/2024	End of Analysis	29/06/2024
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml
Sampling Procedure	APHA 1060 (Part B)		
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters		

Parameters	Results	Limits	Unit	Method
Biological Testing				
Fecal coliform	40.0	<100.0	MPN/100ml	IS (1622):1981R2019

REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.
Disclaimer: *Information supplied by customers represented in italic font*

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
20219	pH Meter	SL/pH-Mtr-1/01	UI/24-25/03/S/122-01	In house Calibration	Daily
03075345767	Analytical Weighing Balance	SL/AB-2/07	UI/24-25/03/S/122-08	19/03/2024	18/03/2025
-----	COD Digestion Apparatus	SL/COD-1/10	UI/24-25/03/S/122-11	19/03/2024	18/03/2025
-----	BOD Incubator	SL/BOD/23	UI/24-25/03/S/122-13	19/03/2024	18/03/2025
-----	Oven	SL/HAO-1/03	UI/24-25/03/S/122-03	19/03/2024	18/03/2025
-----	Water Bath	SL/WB/08	UI/24-25/03/S/122-10	19/03/2024	18/03/2025
10242	Autoclave	SL/AC/126	UI/24-25/03/S/122-20	19/03/2024	18/03/2025

Verified by

Ringge SR

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

SJM

Managing Director
(Authorized Signatory)

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018




Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009139F

TEST REPORT					13/07/2024
Sample / Report No.	SL/24-25/07/MWW/113				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference	As per TRF Dated 08/07/2024				
Sample declaration as provided by customer :					
Nature of Sample	<i>River upstream sample (100 mtrs. upstream from discharge point)</i>				
Batch No.	NA				
Sample Drawn by	SATPL Team on 08/07/2024	Sample Received On	09/07/2024		
Start of Analysis	09/07/2024	End of Analysis	13/07/2024		
Sample Container	Plastic Can	Sample Quantity	02 lit.		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.42	6.5-8.5	-----	APHA, 24 th Edition 2023/ 4500-H+B	
Dissolved Oxygen	4.5	>4.0	mg/lit	APHA 24 th Edition 2023/4500-B&C	
Turbidity	7.9	<30.0	NTU	APHA 24 th edition: 2130-B: 2023	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.6	<3.0	mg/lit	IS 3025 (Part 44):2023	
Temperature	27.7	-----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.					
Note: NA-Not Applicable.					
Disclaimer: <i>'Information is supplied by customers represented in italic font'</i>					
Verified By,			For Shreeji Aqua Treatment Pvt.Ltd.		
Sr.Analyst					
			Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009139P

TEST REPORT

13/07/2024

Sample / Report No.		SL/24-25/07/MWW/113			
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)			
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.			
Order / Reference		As per TRF Dated 08/07/2024			
Sample declaration as provided by customer :					
Nature of Sample		River upstream sample (100 mtrs. upstream from discharge point)			
Batch No.		NA			
Sample Drawn by		SATPL Team on 08/07/2024	Sample Received On 09/07/2024		
Start of Analysis		09/07/2024	End of Analysis 13/07/2024		
Sample Container		Sterile Plastic Bottle	Sample Quantity 100 ml		
Sampling Procedure		APHA 1060 (Part B)			
Limits		GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW - II Waters			
Parameters	Results	Limits	Unit Method		
Chemical Testing					
Fecal coliform	60.0	<100.0	MPN/100 ml IS (1622):1981R2019		
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.					
Note: NA-Not Applicable.					
Disclaimer: 'Information is supplied by customers represented in italic font'					
EQUIPMENT CALIBRATION DETAILS					
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
-----	pH Meter	SL/pH-Mtr-1/01	ACS/456/CM106/230034	19/03/2024	18/03/2025
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025
1022-048	COD Digestion Apparatus	SL/COD-1/10	ACS/456/CM106/230043	19/03/2024	18/03/2025
-----	BOD Incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025
-----	Oven	SL/HAO-1/03	ACS/456/CM106/230036	19/03/2024	18/03/2025
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025
10242	Autoclave	SL/AC - 1/26	ACS/456/CM106/230004	19/03/2024	18/03/2025
NA	UV Visible Spectrophotometer	SL/UV/34	-----	In house Calibration	
Checked By,			For Shreeji Aqua Treatment Pvt.Ltd.		
					
Sr. Analyst			 Technical Manager		

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY



TC-13877

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009140F

TEST REPORT					13/07/2024
Sample / Report No.	SL/24-25/07/MWW/114				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference	As per TRF Dated 08/07/2024				
Sample declaration as provided by customer :					
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>				
Batch No.	NA				
Sample Drawn by	SATPL Team on 08/07/2024	Sample Received On	09/07/2024		
Start of Analysis	09/07/2024	End of Analysis	13/07/2024		
Sample Container	Plastic Can	Sample Quantity	02 lit.		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW - II Waters				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.30	6.5-8.5	-----	APHA, 24 th Edition 2023/ 4500-H+B	
Dissolved Oxygen	4.2	>4.0	mg/lit	APHA 24 th Edition 2023/4500-B&C	
Turbidity	6.4	<30.0	NTU	APHA 24 th edition: 2130-B: 2023	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.5	<3.0	mg/lit	IS 3025 (Part 44):2023	
Temperature	27.7	-----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.					
Note: NA-Not Applicable.					
Disclaimer: 'Information is supplied by customers represented in italic font'					
Verified By,			For Shreeji Aqua Treatment Pvt.Ltd.		
 Sr.Analyst			 Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Incl. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009140P

TEST REPORT

13/07/2024

Sample / Report No.	SL/24-25/07/MWW/114		
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)		
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT - 1) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.		
Order / Reference	As per TRF Dated 08/07/2024		
Sample declaration as provided by customer :			
Nature of Sample	River downstream sample (100 mtrs. downstream from discharge point)		
Batch No.	NA		
Sample Drawn by	SATPL Team on 08/07/2024	Sample Received On	09/07/2024
Start of Analysis	09/07/2024	End of Analysis	13/07/2024
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml
Sampling Procedure	APHA 1060 (Part B)		
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW - II Waters		

Parameters	Results	Limits	Unit	Method
Chemical Testing				
Fecal coliform	50.0	<100.0	MPN/100 ml	IS (1622):1981R2019

REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.

Note: NA-Not Applicable.

Disclaimer: 'Information is supplied by customers represented in italic font'

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
-----	pH Meter	SL/pH-Mtr-1/01	ACS/456/CM106/230034	19/03/2024	18/03/2025
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025
1022-048	COD Digestion Apparatus	SL/COD-1/10	ACS/456/CM106/230043	19/03/2024	18/03/2025
-----	BOD Incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025
-----	Oven	SL/HAO-1/03	ACS/456/CM106/230036	19/03/2024	18/03/2025
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025
10242	Autoclave	SL/AC - 1 /26	ACS/456/CM106/230004	19/03/2024	18/03/2025
NA	UV Visible Spectrophotometer	SL/UV/34	-----	In house Calibration	

Checked By,

For Shreeji Aqua Treatment Pvt.Ltd.



Sr. Analyst

Technical Manager

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009152F

TEST REPORT					31/07/2024
Sample / Report No.	SL/24-25/07/MWW/264				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference	As per TRF Dated 26/07/2024				
Sample declaration as provided by customer :					
Nature of Sample	River upstream sample (100 mtrs. upstream from discharge point)				
Batch No.	NA				
Sample Drawn by	SATPL Team on 26/07/2024	Sample Received On	27/07/2024		
Start of Analysis	27/07/2024	End of Analysis	31/07/2024		
Sample Container	Plastic Can	Sample Quantity	02 lit.		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.52	6.5-8.5	----	APHA, 24 th Edition 2023/ 4500-H+B	
Dissolved Oxygen	4.7	>4.0	mg/lit	APHA, 24 th Edition 2023/4500-B & C	
Turbidity	8.1	<30.0	NTU	APHA 24 th edition: 2130-B: 2023	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.5	<3.0	mg/lit	IS 3025 (Part 44):2023	
Temperature	27.6	----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.					
Note: NA-Not Applicable.					
Disclaimer: 'Information is supplied by customers represented in italic font'					
Verified By,			For Shreeji Aqua Treatment Pvt.Ltd.		
Sr.Analyst					
			Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017




Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009152P

TEST REPORT					31/07/2024	
Sample / Report No.		SL/24-25/07/MWW/264				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 26/07/2024				
Sample declaration as provided by customer :						
Nature of Sample		<i>River upstream sample (100 mtrs. upstream from discharge point)</i>				
Batch No.		NA				
Sample Drawn by		SATPL Team on 26/07/2024		Sample Received On		27/07/2024
Start of Analysis		27/07/2024		End of Analysis		31/07/2024
Sample Container		Sterile Plastic Bottle		Sample Quantity		100 ml
Sampling Procedure		APHA 1060 (Part B)				
Limits		GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters		Results	Limits	Unit	Method	
Chemical Testing						
Fecal coliform		50.0	<100.0	MPN/100 ml	IS (1622):1981R2019	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: <i>'Information is supplied by customers represented in italic font'</i>						
EQUIPMENT CALIBRATION DETAILS						
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail		
				Calibrated Date	Calibration Due Date	
-----	pH Meter	SL/pH-Mtr-1/01	ACS/456/CM106/230034	19/03/2024	18/03/2025	
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025	
1022-048	COD Digestion Apparatus	SL/COD-1/10	ACS/456/CM106/230043	19/03/2024	18/03/2025	
-----	BOD incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025	
-----	Oven	SL/HAO-1/03	ACS/456/CM106/230036	19/03/2024	18/03/2025	
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025	
10242	Autoclave	SL/AC - 1 /26	ACS/456/CM106/230004	19/03/2024	18/03/2025	
NA	UV Visible Spectrophotometer	SL/UV/34	-----	In house Calibration		
Checked By,				For Shreeji Aqua Treatment Pvt.Ltd.		
						
Sr. Analyst				Technical Manager		

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 184,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapuna. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreeji aqua.com Web: www.shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com



|| Shree ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi


• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009151P

TEST REPORT

31/07/2024

Sample / Report No.	SL/24-25/07/MWW/263				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference	As per TRF Dated 26/07/2024				
Sample declaration as provided by customer :					
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>				
Batch No.	NA				
Sample Drawn by	SATPL Team on 26/07/2024	Sample Received On	27/07/2024		
Start of Analysis	27/07/2024	End of Analysis	31/07/2024		
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
Fecal coliform	50.0	<100.0	MPN/100 ml	IS (1622):1981R2019	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.					
Note: NA-Not Applicable.					
Disclaimer: 'Information is supplied by customers represented in italic font'					
EQUIPMENT CALIBRATION DETAILS					
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
-----	pH Meter	SL/pH-Mtr-1/01	ACS/456/CM106/230034	19/03/2024	18/03/2025
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025
1022-048	COD Digestion Apparatus	SL/COD-1/10	ACS/456/CM106/230043	19/03/2024	18/03/2025
-----	BOD Incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025
-----	Oven	SL/HAO-1/03	ACS/456/CM106/230036	19/03/2024	18/03/2025
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025
10242	Autoclave	SL/AC - 1 /26	ACS/456/CM106/230004	19/03/2024	18/03/2025
NA	UV Visible Spectrophotometer	SL/UV/34	-----	In house Calibration	
Checked By, 				For Shreeji Aqua Treatment Pvt.Ltd. 	
Sr.Analyst				Technical Manager	

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 184,Shreeji Tenace Apt, Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009151F

TEST REPORT					31/07/2024
Sample / Report No.	SL/24-25/07/MWW/263				
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference	As per TRF Dated 26/07/2024				
Sample declaration as provided by customer :					
Nature of Sample	<i>River downstream sample (100 mtrs. downstream from discharge point)</i>				
Batch No.	NA				
Sample Drawn by	SATPL Team on 26/07/2024	Sample Received On	27/07/2024		
Start of Analysis	27/07/2024	End of Analysis	31/07/2024		
Sample Container	Plastic Can	Sample Quantity	02 lit.		
Sampling Procedure	APHA 1060 (Part B)				
Limits	GSPCB Consent No. 5/416/95-PCB/CI-5196/ AS per Class SW – II Waters				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.39	6.5-8.5	----	APHA, 24 th Edition 2023/ 4500-H+B	
Dissolved Oxygen	4.4	>4.0	mg/lit	APHA 24 th Edition 2023/4500-B&C	
Turbidity	6.9	<30.0	NTU	APHA 24 th edition: 2130-B: 2023	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.9	<3.0	mg/lit	IS 3025 (Part 44):2023	
Temperature	27.6	----	°C	IS 3025 (Part 9) :2023	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.					
Note: NA-Not Applicable.					
<i>Disclaimer: 'Information is supplied by customers represented in italic font'</i>					
Verified By,			For Shreeji Aqua Treatment Pvt.Ltd.		
 Sr. Analyst			 Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



|| Shree ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT

13/08/2024

Sample / Report No.	SL/24-25/08/MWW/49U		
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)		
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.		
Order / Reference	As per TRF Dated 08/08/2024		
Sample declaration as provided by customer :			
Nature of Sample	River upstream sample (100 mtrs. upstream from discharge point)		
Batch No.	NA		
Sample Drawn by	SATPL Team on 08/08/2024	Sample Received On	09/08/2024
Start of Analysis	09/08/2024	End of Analysis	13/08/2024
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml
Sampling Procedure	IS (1622):1981R2019		
Limits	GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters		

Biological Testing

Sr.No	Parameters	Results	Limits	Unit	Method
1	Fecal coliform	70.0	<100.0	MPN/100 ml	IS (1622):1981R2019

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.

Note: NA-Not Applicable.

Disclaimer: 'Information is supplied by customers represented in italic font'

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No:	Calibration Detail	
				Calibrated Date	Calibration Due Date
-----	nH Motor	SI ToH-Mtr.1/01	ACS/456/CM106/230034	18/03/2024	18/03/2025
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025
1022-048	COD Digestion Apparatus	SL/COD-1/10	ACS/456/CM106/230043	19/03/2024	18/03/2025
-----	BOD Incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025
-----	Oven	SL/HAD-1/03	ACS/456/CM106/230036	19/03/2024	18/03/2025
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025
10242	Autoclave	SL/AC-1/26	ACS/456/CM106/230004	19/03/2024	18/03/2025
NA	UY Visible Spectrophotometer	SL/UY/34	-----	In house Calibration	

Checked By,

Bingne R

Sr.Analyst



Verified By,

Technical Manager

—End of Test Report—

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shub Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreeji aqua.com Web: www. shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2025.

ULR No.: TC138772400009605F

TEST REPORT						13/08/2024
Sample / Report No.		SL/24-25/08/MWW/49U				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 08/08/2024				
Sample declaration as provided by customer :						
Nature of Sample		<i>River upstream sample (100 mtrs. upstream from discharge point)</i>				
Batch No.		NA				
Sample Drawn by		SATPL Team on 08/08/2024	Sample Received On	09/08/2024		
Start of Analysis		09/08/2024	End of Analysis	13/08/2024		
Sample Container		Plastic Can	Sample Quantity	02 lit.		
Sampling Procedure		APHA 1060 (Part B)				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW - II Waters				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	pH	7.30	6.5-8.5	----	APHA, 24 th Edition 2023/ 4500-H+B	
2	Dissolved Oxygen	3.8	<4.0	mg/lit	APHA, 24 th Edition 2023/ 4500-B&C	
3	Turbidity	7.4	<30.0	NTU	APHA 24th edition: 2130-B: 2023	
4	Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.5	<3.0	mg/lit	IS 3025 (Part 44):2023	
5	Temperature	27.8	----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: 'Information is supplied by customers represented in italic font'						
Verified By,		For Shreeji Aqua Treatment Pvt.Ltd.				
						
Sr.Analyst		Quality Manager Authorized Signatory				

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009604F

TEST REPORT						13/08/2024
Sample / Report No.		SL/24-25/08/MWW/49T				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 08/08/2024				
Sample declaration as provided by customer :						
Nature of Sample		<i>River downstream sample (100 mtrs. downstream from discharge point)</i>				
Batch No.		NA				
Sample Drawn by		SATPL Team on 08/08/2024		Sample Received On		09/08/2024
Start of Analysis		09/08/2024		End of Analysis		13/08/2024
Sample Container		Plastic Can		Sample Quantity		02 lit.
Sampling Procedure		APHA 1060 (Part B)				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	pH	7.22	6.5-8.5	-----	APHA, 24 th Edition 2023/ 4500-H+B	
2	Dissolved Oxygen	3.7	<4.0	mg/lit	APHA, 24 th Edition 2023/ 4500-B&C	
3	Turbidity	6.9	<30.0	NTU	APHA 24th edition: 2130-B: 2023	
4	Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.3	<3.0	mg/lit	IS 3025 (Part 44):2023	
5	Temperature	27.8	-----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: <i>'Information is supplied by customers represented in italic font'</i>						
Verified By,				For Shreeji Aqua Treatment Pvt.Ltd.		
Sr.Analyst				Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No. 1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247355 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

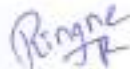
Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT						13/08/2024
Sample / Report No.		SL/24-25/08/MWW/49T				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 08/08/2024				
Sample declaration as provided by customer :						
Nature of Sample		River downstream sample (100 mtrs. downstream from discharge point)				
Batch No.		NA				
Sample Drawn by		SATPL Team on 08/08/2024	Sample Received On	09/08/2024		
Start of Analysis		09/08/2024	End of Analysis	13/08/2024		
Sample Container		Sterile Plastic Bottle	Sample Quantity	100 ml		
Sampling Procedure		IS (1622):1981R2019				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW - II Waters				
Biological Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	Fecal coliform	70.0	<100.0	MPN/100 ml	IS (1622):1981R2019	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: 'Information is supplied by customers represented in italic font'						
<u>EQUIPMENT CALIBRATION DETAILS</u>						
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail		
				Calibrated Date	Calibration Due Date	
-----	pH Meter	SL/pH-Mtr-1/01	ACS/456/CM106/230034	19/03/2024	18/03/2025	
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025	
1022-048	COD Digestion Apparatus	SL/COD-1/10	ACS/456/CM106/230043	19/03/2024	18/03/2025	
-----	BOD Incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025	
-----	Oven	SL/HAD-1/03	ACS/456/CM106/230036	19/03/2024	18/03/2025	
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025	
10242	Autoclave	SL/AC-1/26	ACS/456/CM106/230004	19/03/2024	18/03/2025	
NA	UV Visible Spectrophotometer	SL/UV/34	-----	In house Calibration		
Checked By,				Verified By,		
						
Sr. Analyst				Technical Manager		

---End of Test Report---

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewad, MIDC, Pimpri-Chinchwad, Maharashtra-411018.

Lab: 184,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreeji-aqua.com Web: www.shreeji-aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji-aqua.com

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT						02/09/2024
Sample / Report No.		SL/24-25/08/MWW/174G				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 27/08/2024				
Sample declaration as provided by customer :						
Nature of Sample		River upstream sample (100 mtrs. upstream from discharge point)				
Batch No.		NA				
Sample Drawn by		SATPL Team on 27/08/2024	Sample Received On	28/08/2024		
Start of Analysis		28/08/2024	End of Analysis	02/09/2024		
Sample Container		Sterile Plastic Bottle	Sample Quantity	100 ml		
Sampling Procedure		IS (1622):1981R2019				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters				
Biological Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	Fecal coliform	90.0	<100.0	MPN/100 ml	IS (1622):1981R2019	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: 'Information is supplied by customers represented in italic font'						
EQUIPMENT CALIBRATION DETAILS						
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail		
				Calibrated Date	Calibration Due Date	
-----	pH Meter	SL/pH-Mtr-1/01	ACS/456/CM106/230034	19/03/2024	18/03/2025	
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025	
1022-048	COD Digestion Apparatus	SL/COD-I/10	ACS/456/CM106/230043	19/03/2024	18/03/2025	
-----	BOD Incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025	
-----	Oven	SL/HAO-I/03	ACS/456/CM106/230036	19/03/2024	18/03/2025	
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025	
10242	Autoclave	SL/AC-1/26	ACS/456/CM106/230004	19/03/2024	18/03/2025	
NA	UV Visible Spectrophotometer	.SL/UV/34	-----	In house Calibration		
Checked By,				Verified By,		
						
Sr. Analyst				Technical Manager		

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018


Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009582F

TEST REPORT						02/09/2024
Sample / Report No.		SL/24-25/08/MWW/174G				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 27/08/2024				
Sample declaration as provided by customer :						
Nature of Sample		<i>River upstream sample (100 mtrs. upstream from discharge point)</i>				
Batch No.		NA				
Sample Drawn by		SATPL Team on 27/08/2024		Sample Received On	28/08/2024	
Start of Analysis		28/08/2024		End of Analysis	02/09/2024	
Sample Container		Plastic Can		Sample Quantity	02 lit.	
Sampling Procedure		APHA 1060 (Part B)				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	pH	7.21	6.5-8.5	----	APHA, 24 th Edition 2023/ 4500-H+B	
2	Dissolved Oxygen	3.9	<4.0	mg/lit	APHA, 24 th Edition 2023/ 4500-B&C	
3	Turbidity	6.8	<30.0	NTU	APHA 24th edition: 2130-B: 2023	
4	Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.6	<3.0	mg/lit	IS 3025 (Part 44):2023	
5	Temperature	27.7	----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: <i>Information is supplied by customers represented in italic font</i>						
Verified By,		For Shreeji Aqua Treatment Pvt.Ltd.				
						
Sr.Analyst				Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 184,Shreeji Terrace Apt, Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind, Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiacqua.com Web: www.shreejiacqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiacqua.com

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT						02/09/2024
Sample / Report No.		SL/24-25/08/MWW/174F				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 27/08/2024				
Sample declaration as provided by customer :						
Nature of Sample		River downstream sample (100 mtrs. downstream from discharge point)				
Batch No.		NA				
Sample Drawn by		SATPL Team on 27/08/2024	Sample Received On	28/08/2024		
Start of Analysis		28/08/2024	End of Analysis	02/09/2024		
Sample Container		Sterile Plastic Bottle	Sample Quantity	100 ml		
Sampling Procedure		IS (1622):1981R2019				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters				
Biological Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	Fecal coliform	90.0	<100.0	MPN/100 ml	IS (1622):1981R2019	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: 'Information is supplied by customers represented in italic font'						
EQUIPMENT CALIBRATION DETAILS						
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail		
				Calibrated Date	Calibration Due Date	
-----	pH Meter	SL/pH-Mtr-1/01	ACS/456/CM106/230034	19/03/2024	18/03/2025	
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025	
1022-048	COD Digestion Apparatus	SL/COD-1/10	ACS/456/CM106/230043	19/03/2024	18/03/2025	
-----	BOD Incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025	
-----	Oven	SL/HAO-1/03	ACS/456/CM106/230036	19/03/2024	18/03/2025	
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025	
10242	Autoclave	SL/AC-1/26	ACS/456/CM106/230004	19/03/2024	18/03/2025	
NA	UV Visible Spectrophotometer	SL/UV/34	-----	In house Calibration		
Checked By,			Verified By,			
Sr. Analyst			Technical Manager			

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009581F

TEST REPORT						02/09/2024
Sample / Report No.		SL/24-25/08/MWW/174F				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVEJIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 27/08/2024				
Sample declaration as provided by customer :						
Nature of Sample		<i>River downstream sample (100 mtrs. downstream from discharge point)</i>				
Batch No.		NA				
Sample Drawn by		SATPL Team on 27/08/2024	Sample Received On	28/08/2024		
Start of Analysis		28/08/2024	End of Analysis	02/09/2024		
Sample Container		Plastic Can	Sample Quantity	02 lit.		
Sampling Procedure		APHA 1060 (Part B)				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	pH	7.17	6.5-8.5	----	APHA, 24 th Edition 2023/ 4500-H+B	
2	Dissolved Oxygen	3.8	<4.0	mg/lit	APHA, 24 th Edition 2023/ 4500-B&C	
3	Turbidity	6.6	<30.0	NTU	APHA 24th edition: 2130-B: 2023	
4	Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.5	<3.0	mg/lit	IS 3025 (Part 44):2023	
5	Temperature	27.7	----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: 'Information is supplied by customers represented in italic font'						
Verified By,		For Shreeji Aqua Treatment Pvt.Ltd.				
Sr.Analyst		Quality Manager Authorized Signatory				

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewad, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 184,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreeji aqua.com Web: www.shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

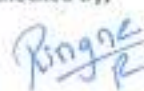

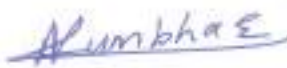
Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/05/2026.

TEST REPORT						10/09/2024
Sample / Report No.		SL/24-25/09/MWW/51ax				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 05/09/2024				
Sample declaration as provided by customer :						
Nature of Sample		<i>River downstream sample (100 mtrs. downstream from discharge point)</i>				
Batch No.		NA				
Sample Drawn by		SATPL Team on 05/09/2024	Sample Received On	06/09/2024		
Start of Analysis		06/09/2024	End of Analysis	10/09/2024		
Sample Container		Sterile Plastic Bottle	Sample Quantity	100 ml		
Sampling Procedure		IS (1622):1981R2019				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters				
Biological Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	Fecal coliform	90.0	<100.0	MPN/100 ml	IS (1622):1981R2019	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: <i>'Information is supplied by customers represented in italic font'</i>						
EQUIPMENT CALIBRATION DETAILS						
Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail		
				Calibrated Date	Calibration Due Date	
-----	pH Meter	SL/pH-Mtr-1/01	ACS/456/CM106/230034	19/03/2024	18/03/2025	
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025	
1022-048	COD Digestion Apparatus	SL/COD-1/10	ACS/456/CM106/230043	19/03/2024	18/03/2025	
-----	BOD Incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025	
-----	Oven	SL/HAD-1/03	ACS/456/CM106/230036	19/03/2024	18/03/2025	
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025	
10242	Autoclave	SL/AC-1/26	ACS/456/CM106/230004	19/03/2024	18/03/2025	
NA	UV Visible Spectrophotometer	SL/UV/34	-----	In house Calibration		
Checked By, 				Verified By, 		
Sr.Analyst				Technical Manager		

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT

10/09/2024

Sample / Report No.	SL/24-25/09/MWW/51ay		
Name of Customer	M/s. VEDANTA LIMITED (MET COKE DIVISION)		
Address of Customer	(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.		
Order / Reference	As per TRF Dated 05/09/2024		
Sample declaration as provided by customer :			
Nature of Sample	<i>River upstream sample (100 mtrs. upstream from discharge point)</i>		
Batch No.	NA		
Sample Drawn by	SATPL Team on 05/09/2024	Sample Received On	06/09/2024
Start of Analysis	06/09/2024	End of Analysis	10/09/2024
Sample Container	Sterile Plastic Bottle	Sample Quantity	100 ml
Sampling Procedure	IS (1622):1981R2019		
Limits	GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters		

Biological Testing

Sr.No	Parameters	Results	Limits	Unit	Method
1	Fecal coliform	90.0	<100.0	MPN/100 ml	IS (1622):1981R2019

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.

Note: NA-Not Applicable.

Disclaimer: 'Information is supplied by customers represented in italic font'

EQUIPMENT CALIBRATION DETAILS

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
-----	pH Meter	SL/pH-Mir-1/01	ACS/456/CM106/230034	19/03/2024	18/03/2025
D307534576	Analytical Weighing Balance	SL/AB-2/07	ACS/456/CM106/230040	19/03/2024	18/03/2025
1022-048	COD Digestion Apparatus	SL/COD-1/10	ACS/456/CM106/230043	19/03/2024	18/03/2025
-----	BOD Incubator	SL/BOD/23	ACS/456/CM106/230045	19/03/2024	18/03/2025
-----	Oven	SL/HAD-1/03	ACS/456/CM106/230036	19/03/2024	18/03/2025
66050	Water Bath	SL/WB/08	ACS/456/CM106/230041	19/03/2024	18/03/2025
10242	Autoclave	SL/AC-1/26	ACS/456/CM106/230004	19/03/2024	18/03/2025
NA	UV Visible Spectrophotometer	SL/UV/34	-----	In house Calibration	

Checked By,

Sr. Analyst



Verified By,

Technical Manager

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreeji aqua.com Web: www.shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com



[[Shreeji]]

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009921F

TEST REPORT						10/09/2024
Sample / Report No.		SL/24-25/09/MWW/51ax				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 05/09/2024				
Sample declaration as provided by customer :						
Nature of Sample		River downstream sample (100 mtrs. downstream from discharge point)				
Batch No.		NA				
Sample Drawn by		SATPL Team on 05/09/2024	Sample Received On	06/09/2024		
Start of Analysis		06/09/2024	End of Analysis	10/09/2024		
Sample Container		Plastic Can	Sample Quantity	02 lit.		
Sampling Procedure		APHA 1060 (Part B)				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	pH	7.19	6.5-8.5	----	APHA, 24 th Edition 2023/ 4500-H+B	
2	Dissolved Oxygen	3.6	<4.0	mg/lit	APHA, 24 th Edition 2023/ 4500-B&C	
3	Turbidity	7.1	<30.0	NTU	APHA 24th edition: 2130-B: 2023	
4	Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	1.8	<3.0	mg/lit	IS 3025 (Part 44):2023	
5	Temperature	27.7	----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: 'Information is supplied by customers represented in italic font'						
Verified By,				For Shreeji Aqua Treatment Pvt.Ltd.		
Sr. Analyst				Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-26, H Block, Lai Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreeji aqua.com Web: www.shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL, as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY



TC-13877

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400009922F

TEST REPORT						10/09/2024
Sample / Report No.		SL/24-25/09/MWW/51ay				
Name of Customer		M/s. VEDANTA LIMITED (MET COKE DIVISION)				
Address of Customer		(WASTE HEAT RECOVERY POWER PLANT - I) SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA.				
Order / Reference		As per TRF Dated 05/09/2024				
Sample declaration as provided by customer :						
Nature of Sample		<i>River upstream sample (100 mtrs. upstream from discharge point)</i>				
Batch No.		NA				
Sample Drawn by		SATPL Team on 05/09/2024		Sample Received On 06/09/2024		
Start of Analysis		06/09/2024		End of Analysis 10/09/2024		
Sample Container		Plastic Can		Sample Quantity 02 lit		
Sampling Procedure		APHA 1060 (Part B)				
Limits		GSPCB Consent No.12/2023-PCB/1872509/R00013366 AS per Class SW – II Waters				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	pH	7.26	6.5-8.5	----	APHA, 24 th Edition 2023/ 4500-H+B	
2	Dissolved Oxygen	3.8	<4.0	mg/lit	APHA, 24 th Edition 2023/ 4500-B&C	
3	Turbidity	7.6	<30.0	NTU	APHA 24th edition: 2130-B: 2023	
4	Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	2.1	<3.0	mg/lit	IS 3025 (Part 44):2023	
5	Temperature	27.7	----	°C	IS 3025(Part 9): 2023	
REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit.						
Note: NA-Not Applicable.						
Disclaimer: <i>'Information is supplied by customers represented in italic font'</i>						
Verified By,		For Shreeji Aqua Treatment Pvt.Ltd.				
						
Sr. Analyst				Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 164,Shreeji Terrace Apt, Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiagua.com Web: www.shreejiagua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiagua.com

ANNEXURE VIII-
MONSOON MEASURES



Geotextile Covering



Geotextile Covering

Annexure IX

Fugitive dust emissions report



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT					
Lab Inward No. : SL/24-25/05/MWZ/226aF			Date of Sampling : 20-21/05/2024		
Client Name :			Start of analysis : 21/05/2024		
M/s. VEDANTA LTD.(PIG IRON EXPANSION PLANT).			End of Analysis : 25/05/2024		
SURVEY NO.61/1,61/3,62 63/0,120/1,177 (PART)205,206,207, VILLAGE NAVELIM ,BICHOLIM-GOA.			Report Date : 25/05/2024		
Order / Reference: TRF Dated 20/05/2024			Sample Drawn By : SATPL Representative on 20-21/05/2024		
Monitoring For : FUGITIVE EMISSION MONITORING					
Sampling Procedure : As per respective NIOSH/IS Guidelines					
Limits : As per The Environmental (Protection) Rules1986-(Third Amendment),2012					
Sampling Location : Pig Iron Yard					
Lateral Distance : 5 meter			Duration : 24Hrs.		
Receptor Height : 3 meter			Time : 11:00 am to 11:00 am		
Ambient Temperature (OC): 28.6			Relative Humidity[%] : 88		
RESULTS					
Sr.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	44.28	<200	µg/m ³	ISS182(Part-2);R2018
2	Oxides of Nitrogen (NO ₂)	46.52	<150	µg/m ³	ISS182(Part-6);R2018
3	PM10	698.21	<2000	µg/m ³	ISS182(Part-23);R 2017
Note: NA- Not Applicable.					
REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.					
Disclaimer: 'Information is supplied by customers represented in italic font'					
Verified By,			For Shreeji Aqua Treatment Pvt. Ltd.		
					
Sr.Analyst			SJM Managing Director Authorized Signatory		

-----End of Test Report-----

The results relate to sample tested.

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof



Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT					
Lab Inward No. : SL/24-25/05/MWZ/226aG			Date of Sampling : 20-21/05/2024		
Client Name : M/s. VEDANTA LTD.(MET COKE DIVISON) (WASTE HEAT RECOVERY POWER PLANT-I)			Start of analysis : 21/05/2024		
SURVEY NO.205,206,207,31/1.177 PART 177,44,43/1,43/2,& 42/1 & 74, SURVEY NO.207(PART) OF NAVELIM VILLAGE AND SURVEY NO.43/1,44/4 & 44/5 OF AMONA VILLAGE,BICHOLIM- GOA			End of Analysis : 25/05/2024		
			Report Date : 25/05/2024		
Sample Drawn By : SATPL Representative on 20-21/05/2024					
Order / Reference: TRF Dated 20/02/2024					
Monitoring For : FUGITIVE EMISSION MONITORING					
Sampling Procedure : As per respective NIOSH/IS Guidelines					
Limits : As per The Environmental (Protection) Rules1986-(Third Amendment),2012					
Sampling Location : Raw Material Storage Yard					
Lateral Distance : 5 meter			Duration : 24 Hrs.		
Receptor Height : 3 meter			Time : 11:10 am to 11:10 am		
Ambient Temperature (0C): 28.6			Relative Humidity(%) : 88		
RESULTS					
Sr.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	40.37	<200	µg/m ³	IS5182(Part-2);R2018
2	Oxides of Nitrogen (NO ₂)	40.78	<150	µg/m ³	IS5182(Part-6);R2018
3	PM ₁₀	708.70	<2000	µg/m ³	IS5182(Part-23);R 2017
Note: NA- Not Applicable.					
REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.					
Disclaimer: 'Information is supplied by customers represented in italic font'					
Verified By,		For Shreeji Aqua Treatment Pvt. Ltd.			
					
Sr.Analyst		SJM Managing Director Authorized Signatory			

—End of Test Report—

The results relate to sample tested.

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof



Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT					
Lab Inward No. : SL/24-25/05/MWZ/226aH			Date of Sampling : 20-21/05/2024		
Client Name : M/s. VEDANTA LTD.(PIG IRON EXPANSION PLANT).			Start of analysis : 21/05/2024		
SURVEY NO.61/1,61/3,62,63/0,120/1.177(PART)205,206,207,			End of Analysis : 25/05/2024		
VILLAGE NAVELIM,BICHOLIM-GOA.			Report Date : 25/05/2024		
Order / Reference: TRF Dated 20/05/2024			Sample Drawn By : SATPL Representative on 20-21/05/2024		
Monitoring For : FUGITIVE EMISSION MONITORING					
Sampling Procedure : As per respective NIOSH/IS Guidelines					
Limits : As per The Environmental (Protection) Rules1986-(Third Amendment),2012					
Sampling Location : <i>Internal Transportation Road</i>					
Lateral Distance : 5 meter			Duration : 24 Hrs.		
Receptor Height : 3 meter			Time : 11:20 am to 11:20 am		
Ambient Temperature (DC): 28.6			Relative Humidity(%) : 88		
RESULTS					
Sr.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	42.32	<200	µg/m ³	ISS182(Part-2);R2018
2	Oxides of Nitrogen (NO ₂)	43.33	<150	µg/m ³	ISS182(Part-6);R2018
3	PM ₁₀	689.97	<2000	µg/m ³	ISS182(Part-23);R 2017
Note: NA- Not Applicable.					
REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.					
Disclaimer: <i>'Information is supplied by customers represented in italic font'</i>					
Verified By,		For Shreeji Aqua Treatment Pvt. Ltd.			
					
Sr.Analyst		SJM Managing Director Authorized Signatory			

—End of Test Report—

The results relate to sample tested.

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017



Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

Lab Inward No. : SL/24-25/05/MWZ/226al		Date of Sampling : 20-21/05/2024			
Client Name : M/s. VEDANTA LTD.(PIG IRON EXPANSION PLANT).		Start of analysis : 21/05/2024			
SURVEY NO.61/1,61/3,62, 63/0,120/1.177 (PART)205,206,207, VILLAGE NAVELIM ,BICHOLIM-GOA.		End of Analysis : 25/05/2024			
		Report Date : 25/05/2024			
		Sample Drawn By : SATPL Representative on 20-21/05/2024			
Order / Reference: TRF Dated 20/05/2024					
Monitoring For : FUGITIVE EMISSION MONITORING					
Sampling Procedure : As per respective NIOSH/IS Guidelines					
Limits : As per The Environmental (Protection) Rules1986-(Third Amendment),2012					
Sampling Location : Loading & Unloading at Jetty					
Lateral Distance : 5 meter		Duration : 24 Hrs.			
Receptor Height : 3 meter		Time : 11:30 am to 11:30 am			
Ambient Temperature (0C): 28.6		Relative Humidity(%) : 88			
RESULTS					
Sr.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	41.67	<200	µg/m ³	IS5182(Part-2);R2018
2	Oxides of Nitrogen (NO ₂)	42.37	<150	µg/m ³	IS5182(Part-6);R2018
3	PM ₁₀	704.87	<2000	µg/m ³	IS5182(Part-23);R 2017
Note: NA- Not Applicable.					
REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.					
Disclaimer: 'Information is supplied by customers represented in italic font'					
Verified By,		For Shreeji Aqua Treatment Pvt. Ltd.			
					
Sr.Analyst					
		SJM Managing Director Authorized Signatory			

-----End of Test Report-----

The results relate to sample tested.

Page 1 of 1

Pune: Plot No. 8-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamsdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT

Lab Inward No. : SL/24-25/08/MST/187	Date of Sampling : 30/08/2024
Client Name: M/s. VEDANTA LIMITED (MET COKE DIVISION) (WASTE HEAT RECOVERY POWER PLANT – I)	Start of analysis : 31/08/2024
	End of Analysis : 02/09/2024
	Report Date : 02/09/2024
SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA.	Sample Drawn By : SATPL Representative on 30/08/2024
Order / Reference: As per TRF Dated 30/08/2024	
Monitoring For : FUGITIVE EMISSION MONITORING	
Sampling Procedure : As per respective NIOSH/IS Guidelines	
Limits : As per The Environmental (Protection) Rules 1986 - (Third Amendment), 2012.	
Sampling Location : MCD New Coal Shed & Coke Yard.	
Lateral Distance : 3 meter	Duration : 08 Hrs.
Receptor Height : 1 meter	Time : 10:30 am to 06:30 pm

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	34.51	<200	µg/m ³	ISS182(Part-2);R2018
2	Oxides of Nitrogen (NO _x)	33.68	<150	µg/m ³	ISS182(Part-6);R2018
3	PM ₁₀	481.54	<2000	µg/m ³	ISS182(Part-23);R 2017

Note: NA- Not Applicable.

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

Disclaimer: 'Information is supplied by customers represented in italic font'

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
2980 DTB 2021	RDS (PM 10)	SATPL/AR/AAS/36	ASFM/2023-24/205-13	19.03.2024	18.03.2025
7099 DTB 2021	Gaseous Attachment Sample	SATPL/AR/AAS/36	ASFM/2023-24/205-13	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UV/34		Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra-411018.

Lab: 164, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No. 1, Shah Ind. Park 1, Vadodara-Sevil, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT

Lab Inward No. : SL/24-25/08/MST/188	Date of Sampling : 30/08/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON PLANT) SURVEY NO. 30 (PART)41,42/1,27 (PART) AMONA, P.O. MARCELA, BICHOLIM – GOA.	Start of analysis : 31/08/2024
	End of Analysis : 02/09/2024
	Report Date : 02/09/2024
	Sample Drawn By : SATPL Representative on 30/08/2024
Order / Reference: As per TRF Dated 30/08/2024	
Monitoring For : FUGITIVE EMISSION MONITORING	
Sampling Procedure : As per respective NIOSH/IS Guidelines	
Limits : As per The Environmental (Protection) Rules1986-(Third Amendment),2012.	
Sampling Location : Pig Iron Yard	
Lateral Distance : 3 meter	Duration : 08 Hrs.
Receptor Height : 1 meter	Time : 10:30 am to 06:30 pm

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	32.56	<200	µg/m ³	ISS182(Part-2);R2018
2	Oxides of Nitrogen (NO ₂)	35.68	<150	µg/m ³	ISS182(Part-6);R2018
3	PM ₁₀	467.81	<2000	µg/m ³	ISS182(Part-23);R 2017

Note: NA- Not Applicable.

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

Disclaimer: 'Information is supplied by customers represented in italic font'

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
2909DTJ2020	RDS (PM10)	SATPL/AIR/AAS/25	ASFM/2023-24/205-09	19.03.2024	18.03.2025
2909DTJ2020	GaseousAttachmentSample	SATPL/AIR/AAS/25	ASFM/2023-24/205-09	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL5MB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SLUV/34		Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune-411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist.Vadodra

Customer Care No.:+919225247365 Email: info@shreeji aqua.com Web: www.shreeji aqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreeji aqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT

Lab Inward No. : SL/24-25/08/MST/189	Date of Sampling : 30/08/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON PLANT) SURVEY NO. 30 (PART)41,42/1,27 (PART) AMONA, P.O. MARCELA, BICHOLIM - GOA.	Start of analysis : 31/08/2024
	End of Analysis : 02/09/2024
	Report Date : 02/09/2024
	Sample Drawn By : SATPL Representative on 30/08/2024

Order / Reference: As per TRF Dated 30/08/2024

Monitoring For : FUGITIVE EMISSION MONITORING

Sampling Procedure : As per respective NIOSH/IS Guidelines

Limits : As per The Environmental (Protection) Rules1986-(Third Amendment),2012.

Sampling Location : Loading & Unloading at Jetty

Lateral Distance : 3 meter

Duration : 08 Hrs.

Receptor Height : 1 meter

Time : 10:30 am to 06:30 pm

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	35.81	<200	µg/m ³	IS5182(Part-2);R2018
2	Oxides of Nitrogen (NO _x)	36.96	<150	µg/m ³	IS5182(Part-6);R2018
3	PM ₁₀	507.73	<2000	µg/m ³	IS5182(Part-23);R 2017

Note: NA- Not Applicable.

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

Disclaimer: 'Information is supplied by customers represented in italic font'

EQUIPMENT CALIBRATION DETAILS

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
2984DT82021	RDS (PM 10)	SATPL/AIR/AAS/19	ASFM/2023-24/305-07	19.03.2024	18.03.2025
2984DT82021	GaseousAttachmentSample	SATPL/AIR/AAS/19	ASFM/2023-24/305-07	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/UN/34		Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewad, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4 Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com

**SHREEJI AQUA TREATMENT PVT. LTD.**

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT

Lab Inward No. : SL/24-25/08/MST/190	Date of Sampling : 30/08/2024
Client Name: M/s. VEDANTA LIMITED (PIG IRON EXPANSION PLANT) SURVEY NO. 61/1,61/3,62,63/0,120/1,120/2,177 (PART),205,206,207, VILLAGE NAVELIM, BICHOLIM – GOA	Start of analysis : 31/08/2024
	End of Analysis : 02/09/2024
	Report Date : 02/09/2024
	Sample Drawn By : SATPL Representative on 30/08/2024
Order / Reference: As per TRF Dated 30/08/2024	
Monitoring For : FUGITIVE EMISSION MONITORING	
Sampling Procedure : As per respective NIOSH/IS Guidelines	
Limits : As per The Environmental (Protection) Rules1986-(Third Amendment),2012.	
Sampling Location : <i>Internal Transportation Road</i>	
Lateral Distance : 3 meter	Duration : 08 Hrs.
Receptor Height : 3 meter	Time : 10:30 am to 06:30 pm

RESULTS

Sr. No.	Parameters	Results	Limits	Unit	Reference Method
1	Sulphur Dioxide (SO ₂)	31.25	<200	µg/m ³	ISS182(Part-2);R2018
2	Oxides of Nitrogen (NO ₂)	32.18	<150	µg/m ³	ISS182(Part-6);R2018
3	PM ₁₀	474.05	<2000	µg/m ³	ISS182(Part-23);R 2017

Note: NA- Not Applicable.

REMARK: Reference to above mentioned monitoring report all the parameters are within the limits.

Disclaimer: *Information is supplied by customers represented in italic font***EQUIPMENT CALIBRATION DETAILS**

Sr. No.	EquipmentName	Equipment ID	CertificateNo.	Calibration Detail	
				Calibrated Date	Calibration Due Date
77121	RDS (PM 10)	SATPL/AIR/AAS/20	ASPM/2023-24/205-08	19.03.2024	18.03.2025
AA66G2021	Gaseous Attachment Sample	SATPL/AIR/AAS/20	ASPM/2023-24/205-08	19.03.2024	18.03.2025
55627	Digital Electronic Balance	SL/SMB/41	ACS/456/CM 30/230072	19.03.2024	18.03.2025
NA	Digital Spectrophotometer Model	SL/LV/34	-----	Inhouse Calibration	

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

-----End of Test Report-----

The results relate to sample tested.

Page 1 of 1

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 184,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Larewadpura, 391 775 Dist. Vadodra

Customer Care No.: +919225247565 Email: info@shreejiagua.com Web: www.shreejiagua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiagua.com

Annexure X
Pre and Post monsoon Ground water quality reports.



Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
 Vadodra : Plot No.1, Shah Ind. Park-1, Vadodra-Savli, Lamdapura. 391 775 Dist.Vadodra
 Lab : 1&4, Shreeji Terrace Apt. Plot No. S3, Puma Nagar, Chikhali, Pune: 411019
 Customer Care No.: +919225247365
 Web : www.shreeji aqua.com * Email: info@shreeji aqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

20/05/2024

Sample / Report No.	SL/24-25/05/MFW/1350				
Name of Customer	M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer	SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM - GOA.				
Order / Reference	As per TRF Dated 15/05/2024				
Sample declaration as provided by customer :					
Nature of Sample	Navelim - Sanjay Naik Well Water				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 15/05/2024	Sample Received On	15/05/2024		
Start of Analysis	16/05/2024	End of Analysis	20/05/2024		
Sample Container	Plastic Can	Sample Quantity	2 lit		
Sampling Procedure	IS 3025 (Part 1) & IS1622				
Limits	As Per IS 10500:2012 Standards				
Parameters	Results	Specification Range as per IS 10500 / 2012		Unit	Method
		Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source		
Chemical Testing					
Colour	<1.0	5.0 Max.	15.0 Max.	Hazen	IS 3025 (Part 4):1983 R 2021
Turbidity	0.21	1.0 Max.	5.0 Max.	NTU	IS 3025 (Part 10):1984 R 2023
pH	7.04	6.5 - 8.5	No Relaxation	-	IS 3025 (Part 11): 2022
Total Dissolved Solids	106.0	500.0 Max.	2000.0 Max.	mg/L	IS 3025 (Part 16): 2023
Chlorides	19.99	250.0 Max.	1000.0 Max.	mg/L	IS 3025 (Part 32):1988 R 2019
Manganese	<0.01	0.10 Max.	0.30 Max.	mg/L	IS 3025 (Part 2): 2004 R2019
Nitrate	1.18	45.0 Max.	No Relaxation	mg/L	IS 3025 (Part 34):1988 R 2019
Sulphate	3.95	200.0 Max.	400.0 Max.	mg/L	IS 3025 (Part 24/Sec 1):2022
Total Hardness as CaCO ₃	44	200.0 Max.	600.0 Max.	mg/L	IS 3025 (Part 21):2009 R2019
Calcium Hardness	30.0	Not Specified		mg/L	IS 3025 (Part 40):1991 R 2019
Magnesium Hardness	14.0	Not Specified		mg/L	IS 3025: Part 46; R2023

REMARK: Reference to above testing parameters, given Well Water sample is within the prescribed limit.

Disclaimer-*Information supplied by customers represented in italic font*

Verified By,

Sapetbi
Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

SJM
Managing Director
(Authorized Signatory)



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadoclara-Savli, Lamdapura, 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +91 9225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

20/05/2024

Sample / Report No.	SL/24-25/05/MFW/1350				
Name of Customer	M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer	SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM – GOA.				
Order / Reference	As per TRF Dated 15/05/2024				
Sample declaration as provided by customer :					
Nature of Sample	Navellm - Sanjay Nalk Well Water				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 15/05/2024	Sample Received On	16/05/2024		
Start of Analysis	16/05/2024	End of Analysis	20/05/2024		
Sample Container	Plastic Can	Sample Quantity	2 lit		
Sampling Procedure	IS 3025 (Part 1) & IS1622				
Limits	As Per IS 10500:2012 Standards				
Parameters	Results	Specification Range as per IS 10500 / 2012		Unit	Method
		Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source		
Chemical Testing					
Dissolved Iron	<0.1	1.0 Max.	No Relaxation	mg/L	IS 3025 (Part 2): 2004 R2019
Electrical Conductivity	159	Not Specified		µs/cm	APHA, 24 th Edition 2023/2510-B
Chemical Oxygen Demand (COD)	<4.00	Not Specified		mg/L	APHA, 24 th Edition 2023/ 5220-C
Bio Chemical Oxygen Demand (BOD)27°C for 3 Days	<1.00	Not Specified		mg/L	IS 3025 (Part 44): 2023
Total Suspended Solids (TSS)	6.0	Not Specified		mg/L	APHA, 24 th Edition 2023/ 2540-D
Oil & Grease	<2.0	Not Specified		mg/L	IS 3025 (Part 39): 2021
Phosphates	<0.001	Not Specified		mg/L	APHA, 24 th Edition 2023/4500-P-D

Disclaimer- Information supplied by customers represented in italic font

Verified By,
Sepathi
Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

SJM
Managing Director
(Authorized Signatory)

-----End Of Test Report-----

The results relate to sample tested.

Page 2 of 2



Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Landipura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • **Email:** info@shreeji-aqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

20/05/2024

Sample / Report No.	SL/24-25/05/MFW/135N				
Name of Customer	M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer	SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM – GOA.				
Order / Reference	As per TRF Dated 15/05/2024				
Sample declaration as provided by customer :					
Nature of Sample	Amona-Sandesh Naik Well Water				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 15/05/2024	Sample Received On	16/05/2024		
Start of Analysis	16/05/2024	End of Analysis	20/05/2024		
Sample Container	Plastic Can	Sample Quantity	2 lit		
Sampling Procedure	IS 3025 (Part 1) & IS1622				
Limits	As Per IS 10500:2012 Standards				
Parameters	Results	Specification Range as per IS 10500 / 2012		Unit	Method
		Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source		
Chemical Testing					
Colour	<1.0	5.0 Max.	15.0 Max.	Hazen	IS 3025 (Part 4):1983 R 2021
Turbidity	0.20	1.0 Max.	5.0 Max.	NTU	IS 3025 (Part 10):1984 R 2023
pH	7.10	6.5 – 8.5	No Relaxation	-	IS 3025 (Part 11): 2022
Total Dissolved Solids	98.0	500.0 Max.	2000.0 Max.	mg/L	IS 3025 (Part 16): 2023
Chlorides	15.00	250.0 Max.	1000.0 Max.	mg/L	IS 3025 (Part 32):1988 R 2019
Manganese	<0.01	0.10 Max.	0.30 Max.	mg/L	IS 3025 (Part 2): 2004 R2019
Nitrate	1.04	45.0 Max.	No Relaxation	mg/L	IS 3025 (Part 34):1988 R 2019
Sulphate	3.71	200.0 Max.	400.0 Max.	mg/L	IS 3025 (Part 24/Sec 1):2022
Total Hardness as CaCO ₃	48.0	200.0 Max.	600.0 Max.	mg/L	IS 3025 (Part 21):2009 R2019
Calcium Hardness	26.0	Not Specified		mg/L	IS 3025 (Part 40):1991 R 2019
Magnesium Hardness	22.0	Not Specified		mg/L	IS 3025: Part 46: R2023

REMARK: Reference to above testing parameters, given Well Water sample is within the prescribed limit.

Disclaimer-*information supplied by customers represented in italic font*

Verified By,

Sapesh

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

SJM

Managing Director
(Authorized Signatory)



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune-411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Saxli, Lamdapura, 391 775 Dist. Vadodara
Lab : 18-4, Shreeji Terrace Apt. Plot No. 53, Puma Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejaqua.com • Email: info@shreejaqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

20/05/2024

Sample / Report No.	SL/24-25/05/MFW/135N				
Name of Customer	M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer	SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM – GOA.				
Order / Reference	As per TRF Dated 15/05/2024				
Sample declaration as provided by customer :					
Nature of Sample	Amona-Sandesh Naik Well Water				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 15/05/2024	Sample Received On	16/05/2024		
Start of Analysis	16/05/2024	End of Analysis	20/05/2024		
Sample Container	Plastic Can	Sample Quantity	2 lit		
Sampling Procedure	IS 3025 (Part 1) & IS1622				
Limits	As Per IS 10500:2012 Standards				
Parameters	Results	Specification Range as per IS 10500 / 2012		Unit	Method
		Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source		
Chemical Testing					
Dissolved Iron	<0.1	1.0 Max.	No Relaxation	mg/L	IS 3025 (Part 2): 2004 R2019
Electrical Conductivity	151	Not Specified		µs/cm	APHA, 24 th Edition 2023/25 10-B
Chemical Oxygen Demand (COD)	<4.00	Not Specified		mg/L	APHA, 24 th Edition 2023/ 5220-C
Bio Chemical Oxygen Demand (BOD)27°C for 3 Days	<1.00	Not Specified		mg/L	IS 3025 (Part 44): 2023
Total Suspended Solids (TSS)	8	Not Specified		mg/L	APHA, 24th Edition 2023/ 2540-D
Oil & Grease	<2.0	Not Specified		mg/L	IS 3025 (Part 39): 2021
Phosphates	<0.001	Not Specified		mg/L	APHA, 24 th Edition 2023/4500-P-D

Disclaimer- Information supplied by customers represented in italic font

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director
(Authorized Signatory)

-----End Of Test Report-----

The results relate to sample tested.

Page 2 of 2



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

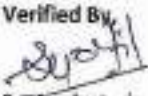


An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savl, Lamdapura, 391 775 Dist. Vadodara
Lab : 184, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

20/05/2024

Sample / Report No.	SL/24-25/05/MFW/135M				
Name of Customer	M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer	SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIUM – GOA.				
Order / Reference	As per TRF Dated 15/05/2024				
Sample declaration as provided by customer :					
Nature of Sample	Maina-Digamber Naik Well Water				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 15/05/2024	Sample Received On	16/05/2024		
Start of Analysis	16/05/2024	End of Analysis	20/05/2024		
Sample Container	Plastic Can	Sample Quantity	2 lit		
Sampling Procedure	IS 3025 (Part 1) & IS1622				
Limits	As Per IS 10500:2012 Standards				
Parameters	Results	Specification Range as per IS 10500 / 2012		Unit	Method
		Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source		
Chemical Testing					
Colour	<1.0	5.0 Max.	15.0 Max.	Hazen	IS 3025 (Part 4):1983 R 2021
Turbidity	0.24	1.0 Max.	5.0 Max.	NTU	IS 3025 (Part 10):1984 R 2023
pH	7.19	6.5 – 8.5	No Relaxation	-	IS 3025 (Part 11): 2022
Total Dissolved Solids	86	500.0 Max.	2000.0 Max.	mg/L	IS 3025 (Part 16): 2023
Chlorides	11.0	250.0 Max.	1000.0 Max.	mg/L	IS 3025 (Part 32):1988 R 2019
Manganese	<0.01	0.10 Max.	0.30 Max.	mg/L	IS 3025 (Part 2): 2004 R2019
Nitrate	0.18	45.0 Max.	No Relaxation	mg/L	IS 3025 (Part 34):1988 R 2019
Sulphate	2.66	200.0 Max.	400.0 Max.	mg/L	IS 3025 (Part 24/Sec 1):2022
Total Hardness as CaCO ₃	34	200.0 Max.	600.0 Max.	mg/L	IS 3025 (Part 21):2009 R2019
Calcium Hardness	20.0	Not Specified		mg/L	IS 3025 (Part 40):1991 R 2019
Magnesium Hardness	10.0	Not Specified		mg/L	IS 3025: Part 46; R2023
REMARK: Reference to above testing parameters, given Well Water sample is within the prescribed limit.					
<i>Disclaimer-Information supplied by customers represented in italic font</i>					
Verified By  Sr. Analyst				For Shreeji Aqua Treatment Pvt. Ltd.	
				 Managing Director (Authorized Signatory)	



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savl, Lamdapura, 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreeji-aqua.com • Email: info@shreeji-aqua.com

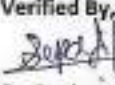
Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

TEST REPORT

20/05/2024

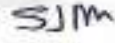
Sample / Report No.	SL/24-25/05/MFW/135M				
Name of Customer	M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer	SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM – GOA.				
Order / Reference	As per TRF Dated 15/05/2024				
Sample declaration as provided by customer :					
Nature of Sample	Maina-Digamber Naik Well Water				
Batch No.	NA				
Sample Drawn by	SATPL Representative on 15/05/2024			Sample Received On	16/05/2024
Start of Analysis	16/05/2024			End of Analysis	20/05/2024
Sample Container	Plastic Can			Sample Quantity	2 lit
Sampling Procedure	IS 3025 (Part 1) & IS1622				
Limits	As Per IS 10500:2012 Standards				
Parameters	Results	Specification Range as per IS 10500 / 2012		Unit	Method
		Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source		
Chemical Testing					
Dissolved Iron	<0.1	1.0 Max.	No Relaxation	mg/L	IS 3025 (Part 2): 2004 R2019
Electrical Conductivity	138	Not Specified		µs/cm	APHA, 24 th Edition 2023/2510-B
Chemical Oxygen Demand (COD)	<4.00	Not Specified		mg/L	APHA, 24 th Edition 2023/ 5220-C
Bio Chemical Oxygen Demand (BOD)27°C for 3 Days	<1.00	Not Specified		mg/L	IS 3025 (Part 44): 2023
Total Suspended Solids (TSS)	4	Not Specified		mg/L	APHA, 24th Edition 2023/ 2540-D
Oil & Grease	<2.0	Not Specified		mg/L	IS 3025 (Part 39): 2021
Phosphates	<0.001	Not Specified		mg/L	APHA, 24 th Edition 2023/4500-P-D

Disclaimer- Information supplied by customers represented in italic font

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.


Managing Director
(Authorized Signatory)

-----End Of Test Report-----

The results relate to sample tested.



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400010602F

TEST REPORT						29/10/2024
Sample / Report No.		SL/24-25/10/MFW/105U				
Name of Customer		M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer		SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM – GOA.				
Order / Reference		As Per TRF dated 24/10/2024				
Sample declaration as provided by customer :						
Nature of Sample		Navelim - Sanjay Naik Well Water				
Batch No.		NA				
Sample Drawn by		SATPL on 24/10/2024	Sample Received On		25/10/2024	
Start of Analysis		25/10/2024	End of Analysis		29/10/2024	
Sample Container		Plastic can	Sample Quantity		02 lit	
Sampling Procedure		IS 3025 (Part 1)				
Limits		As Per IS 10500:2012 Standards				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
1	Colour	<1.0	5.0 Max	Hazen	IS 3025 (Part 4) :1983 R 2021	
2	pH Value	7.17	6.5-8.5	----	IS 3025 (Part 11):2022	
3	Turbidity	0.23	1.0 Max	NTU	IS 3025 (Part 10) :1984 R 2023	
4	Total Dissolved Solids	86.0	500.0 Max	mg/Lit	IS 3025 (Part 16): 2023	
5	Sulphate as SO ₄	2.58	200.0 Max	mg/Lit	IS 3025: (Part 24/Sec 1) :R2022	
6	Total Hardness as CaCO ₃	38.0	200.0 Max	mg/Lit	IS 3025 (Part 21): 2009 R 2019	
7	Chloride as Cl	15.00	250.0 Max	mg/Lit	IS 3025 (Part 32): 1988 R 2019	
8	Manganese as Mn	<0.01	0.1 Max	mg/Lit	IS 3025 (Part 2): 2004 R2019	
9	Nitrate as NO ₃	1.06	45.0 Max	mg/Lit	IS 3025 (Part 34):1988 R 2019	
10	Calcium Hardness	22.0	NS	mg/Lit	IS 3025 (Part 40):1991 R 2019	
11	Magnesium Hardness	16.0	NS	mg/Lit	IS 3025: Part 46;R2023	
<p>Note: NA-Not Applicable. NTU: Nephelometric Turbidity unit. NS- Not Specified. Remark: -The sample analyzed for above parameters is within the prescribed limits Disclaimer: 'Information supplied by customers represented in italic font'</p>						
Verified By,				For Shreeji Aqua Treatment Pvt.Ltd.		
Sr. Analyst				Quality Manager Authorized Signatory		

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 184,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof




Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT						29/10/2024
Sample / Report No.		SL/24-25/10/MFW/105U				
Name of Customer		M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer		SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM – GOA.				
Order / Reference		As Per TRF dated 24/10/2024				
Sample declaration as provided by customer :						
Nature of Sample		Navelim - Sanjay Naik Well Water				
Batch No.		NA				
Sample Drawn by		SATPL on 24/10/2024	Sample Received On	25/10/2024		
Start of Analysis		25/10/2024	End of Analysis	29/10/2024		
Sample Container		Plastic can	Sample Quantity	02 lit.		
Sampling Procedure		IS 3025 (Part 1)				
Limits		As Per IS 10500:2012 Standards				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
12	Dissolved Iron	<0.1	1.0 Max.	mg/Lit	IS 3025 (Part 2): 2004 R2019	
13	Conductivity	138	NS	µs/cm	APHA, 24 th Edition 2023/2510-B	
14	Chemical Oxygen Demand (COD)	<3.0	NS	mg/Lit	APHA, 24 th Edition 2023/ 5220-C	
15	Bio Chemical Oxygen Demand @ 27°C for 3 Days	<1.0	NS	mg/Lit	IS 3025 (Part 44):2023	
16	Total Suspended Solids (TSS)	8.00	NS	mg/Lit	APHA, 24 th Edition 2023/ 2540-D	
17	Oil & Grease	<2.0	NS	mg/Lit	IS 3025 (Part 39):2021	
18	Phosphates	<0.001	NS	mg/Lit	APHA 24th edition: 4500P- D: 2023	
Note: NA-Not Applicable. NS- Not Specified.						
Disclaimer: 'Information supplied by customers represented in italic font'						
Verified By,				For Shreeji Aqua Treatment Pvt.Ltd.		
						
Sr.Analyst		Quality Manager Authorized Signatory				

---End of Test Report---

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4 Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejaqua.com



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

- ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.
 ULR No.: TC138772400010601F

TEST REPORT

29/10/2024

Sample / Report No.	SL/24-25/10/MFW/105T		
Name of Customer	M/s. VEDANTA LIMITED (PIG IRON PLANT)		
Address of Customer	SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O. MARCELA, BICHOLIM - GOA.		
Order / Reference	As Per TRF dated 24/10/2024		
Sample declaration as provided by customer :			
Nature of Sample	Amona-Sandesh Naik Well Water		
Batch No.	NA		
Sample Drawn by	SATPL on 24/10/2024	Sample Received On	25/10/2024
Start of Analysis	25/10/2024	End of Analysis	29/10/2024
Sample Container	Plastic can	Sample Quantity	02 lit
Sampling Procedure	IS 3025 (Part 1)		
Limits	As Per IS 10500:2012 Standards		

Chemical Testing

Sr.No	Parameters	Results	Limits	Unit	Method
1	Colour	<1.0	5.0 Max	Hazen	IS 3025 (Part 4) :1983 R 2021
2	pH Value	7.01	6.5-8.5	---	IS 3025 (Part 11):2022
3	Turbidity	0.19	1.0 Max	NTU	IS 3025 (Part 10) :1984 R 2023
4	Total Dissolved Solids	80.0	500.0 Max	mg/Lit	IS 3025 (Part 16): 2023
5	Sulphate as SO ₄	2.10	200.0 Max	mg/Lit	IS 3025: (Part 24/Sec 1) :R2022
6	Total Hardness as CaCO ₃	42.0	200.0 Max	mg/Lit	IS 3025 (Part 21): 2009 R 2019
7	Chloride as Cl	12.0	250.0 Max	mg/Lit	IS 3025 (Part 32): 1988 R 2019
8	Manganese as Mn	<0.01	0.1 Max	mg/Lit	IS 3025 (Part 2): 2004 R2019
9	Nitrate as NO ₃	1.11	45.0 Max	mg/Lit	IS 3025 (Part 34):1988 R 2019
10	Calcium Hardness	30.0	NS	mg/Lit	IS 3025 (Part 40):1991 R 2019
11	Magnesium Hardness	12.0	NS	mg/Lit	IS 3025: Part 46;R2023

Note: NA-Not Applicable. NTU: Nephelometric Turbidity unit. NS- Not Specified.
 Remark: -The sample analyzed for above parameters is within the prescribed limits
 Disclaimer: 'Information supplied by customers represented in italic font'

Verified By,

Sapachi

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

(Signature)

Quality Manager
 Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof




Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT						29/10/2024
Sample / Report No.		SL/24-25/10/MFW/105T				
Name of Customer		M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer		SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O. MARCELA, BICHOLIM - GOA.				
Order / Reference		As Per TRF dated 24/10/2024				
Sample declaration as provided by customer :						
Nature of Sample		Amona-Sandesh Naik Well Water				
Batch No.		NA				
Sample Drawn by		SATPL on 24/10/2024	Sample Received On	25/10/2024		
Start of Analysis		25/10/2024	End of Analysis	29/10/2024		
Sample Container		Plastic can	Sample Quantity	02 lit		
Sampling Procedure		IS 3025 (Part 1)				
Limits		As Per IS 10500:2012 Standards				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
12	Dissolved Iron	<0.1	1.0 Max.	mg/Lit	IS 3025 (Part 2): 2004 R2019	
13	Conductivity	151	NS	µs/cm	APHA, 24 th Edition 2023/2510-B	
14	Chemical Oxygen Demand (COD)	<3.0	NS	mg/Lit	APHA, 24 th Edition 2023/ 5220-C	
15	Bio Chemical Oxygen Demand @ 27°C for 3 Days	<1.0	NS	mg/Lit	IS 3025 (Part 44):2023	
16	Total Suspended Solids (TSS)	8.0	NS	mg/Lit	APHA, 24 th Edition 2023/ 2540-D	
17	Oil & Grease	<2.0	NS	mg/Lit	IS 3025 (Part 39):2021	
18	Phosphates	<0.001	NS	mg/Lit	APHA 24th edition: 4500P- D: 2023	
Note: NA-Not Applicable, NS- Not Specified.						
Disclaimer: 'Information supplied by customers represented in italic font'						
Verified By,				For Shreeji Aqua Treatment Pvt.Ltd.		
						
Sr.Analyst				Quality Manager Authorized Signatory		

-----End of Test Report-----

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

ULR No.: TC138772400010600F

TEST REPORT

29/10/2024

Sample / Report No.	SL/24-25/10/MFW/1055		
Name of Customer	M/s. VEDANTA LIMITED (PIG IRON PLANT)		
Address of Customer	SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM - GOA.		
Order / Reference	As Per TRF dated 24/10/2024		
Sample declaration as provided by customer :			
Nature of Sample	Maina-Digamber Naik Well Water		
Batch No.	NA		
Sample Drawn by	SATPL on 24/10/2024	Sample Received On	25/10/2024
Start of Analysis	25/10/2024	End of Analysis	29/10/2024
Sample Container	Plastic can	Sample Quantity	02 lit
Sampling Procedure	IS 3025 (Part 1)		
Limits	As Per IS 10500:2012 Standards		

Chemical Testing

Sr.No	Parameters	Results	Limits	Unit	Method
1	Colour	<1.0	5.0 Max	Hazen	IS 3025 (Part 4) :1983 R 2021
2	pH Value	7.21	6.5-8.5	---	IS 3025 (Part 11):-2022
3	Turbidity	0.26	1.0 Max	NTU	IS 3025 (Part 10) :1984 R 2023
4	Total Dissolved Solids	90.0	500.0 Max	mg/Lit	IS 3025 (Part 16): 2023
5	Sulphate as SO ₄	2.34	200.0 Max	mg/Lit	IS 3025: (Part 24/Sec 1) :R2022
6	Total Hardness as CaCO ₃	40.0	200.0 Max	mg/Lit	IS 3025 (Part 21): 2009 R 2019
7	Chloride as Cl	13.0	250.0 Max	mg/Lit	IS 3025 (Part 32): 1988 R 2019
8	Manganese as Mn	<0.01	0.1 Max	mg/Lit	IS 3025 (Part 2): 2004 R2019
9	Nitrate as NO ₃	0.11	45.0 Max	mg/Lit	IS 3025 (Part 34):1988 R 2019
10	Calcium Hardness	26.0	NS	mg/Lit	IS 3025 (Part 40):1991 R 2019
11	Magnesium Hardness	14.0	NS	mg/Lit	IS 3025: Part 46;R2023

Note: NA-Not Applicable. NTU: Nephelometric Turbidity unit NS- Not Specified.

Remark: -The sample analyzed for above parameters is within the prescribed limits

Disclaimer: 'Information supplied by customers represented in italic font'

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

A part of the report has been generated on the next page. The results relate to sample tested.

Page 1 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com



|| Shreeji ||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof


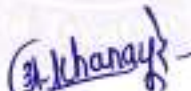
Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

• ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

TEST REPORT						29/10/2024
Sample / Report No.		SL/24-25/10/MFW/1055				
Name of Customer		M/s. VEDANTA LIMITED (PIG IRON PLANT)				
Address of Customer		SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM – GOA.				
Order / Reference		As Per TRF dated 24/10/2024				
Sample declaration as provided by customer :						
Nature of Sample		<i>Maina-Digamber Naik Well Water</i>				
Batch No.		NA				
Sample Drawn by		SATPL on 24/10/2024	Sample Received On	25/10/2024		
Start of Analysis		25/10/2024	End of Analysis	29/10/2024		
Sample Container		Plastic can	Sample Quantity	02 lit		
Sampling Procedure		IS 3025 (Part 1)				
Limits		As Per IS 10500:2012 Standards				
Chemical Testing						
Sr.No	Parameters	Results	Limits	Unit	Method	
12	Dissolved Iron	<0.1	1.0 Max.	mg/Lit	IS 3025 (Part 2): 2004 R2019	
13	Conductivity	140	NS	µs/cm	APHA, 24 th Edition 2023/2510-B	
14	Chemical Oxygen Demand (COD)	<3.0	NS	mg/Lit	APHA, 24 th Edition 2023/ 5220-C	
15	Bio Chemical Oxygen Demand @ 27°C for 3 Days	<1.0	NS	mg/Lit	IS 3025 (Part 44):2023	
16	Total Suspended Solids (TSS)	10.0	NS	mg/Lit	APHA, 24 th Edition 2023/ 2540-D	
17	Oil & Grease	<2.0	NS	mg/Lit	IS 3025 (Part 39):2021	
18	Phosphates	<0.001	NS	mg/Lit	APHA 24th edition: 4500P- D: 2023	
Note: NA-Not Applicable, NS- Not Specified.						
Disclaimer: 'Information supplied by customers represented in italic font'						
Verified By,		For Shreeji Aqua Treatment Pvt.Ltd.				
						
Sr. Analyst		Quality Manager Authorized Signatory				

---End of Test Report---

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. B-24, H Block, Lal Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra 411018.

Lab: 1&4,Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019

Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune_lab@shreejiaqua.com

Annexure XI
Noise monitoring reports.



||Shreeji||

SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

An ISO 9001:2015
Certified Company
ISO 45001 : 2018

Pune : 21A, Shreeji Complex, Nehru Nagar, Pimpri, Pune: 411 018
Vadodara : Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdapura. 391 775 Dist. Vadodara
Lab : 1&4, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019
Customer Care No.: +919225247365
Web : www.shreejiaqua.com • **Email:** info@shreejiaqua.com

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India

AMBIENT NOISE LEVEL MEASUREMENT REPORT

F/SL/RR-7.8/01/00

Client Name : M/s. VEDANTA LIMITED IRON AND COKE PLANTS, AMONA AND NAVELIM, BICHOLIM-GOIA	Report No. : SL/24-25/05/MNM/246H
	Inward Date : 28/05/2024
	Analysis Date : 29/05/2024
	Report Date : 01/06/2024
	Date of Sampling : 01/06/2024
Monitoring Representative : SATPL Representative	

AMBIENT NOISE LEVEL MEASUREMENT

Sr. No.	LOCATIONS	NOISE LEVEL READING IN dB (A)	
		DAY TIME AVG	NIGHT TIME AVG
1	Near Amona Gate	64.7	59.4
2	Opp. BSNL Exchange	62.8	52.6
3	Near MCD Gate	62.6	52.8
4	Near Satteri Temple	61.3	49.2
5	Compound Wall Towards Navelim	61.2	52.6
6	Compound Wall Towards Maina	64.0	53.9

Remark - : Reference to above mentioned monitoring report all the parameters are within the limits.

Disclaimer - 'information supplied by customers represented in italic font'

Noise Limits as per Schedule III of "The Environment (Protection) Rules, 1986" are as follows:

Area Code	Category of Area	Limits in dB(A) Leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
Q677738	Sound Level Meter	SATPL/AIR/SLC/35	ME03183	19/03/2024	18/03/2025

Verified by

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director
(Authorized Signatory)

-----End of Test Report-----



SHREEJI AQUA TREATMENT PVT. LTD.

Innovative Environmental Solutions Under One Roof

Accredited by NABL as per ISO/IEC 17025:2017

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi

● ENVIRONMENT ● FOOD ● ANIMAL FOOD & FEED ● MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026.

AMBIENT NOISE LEVEL MEASUREMENT REPORT

ULR NO.:TC138772400009690F

F/SL/RR-7.8/01/00

Client Name : M/s. VEDANTA LIMITED IRON AND COKE PLANTS,AMONA AND NAVELIM,BICHOLIM-GOA Monitoring Representative : SATPL Representative	Report No. : SL/24-25/08/MNM/181C
	Inward Date : 30/08/2024
	Analysis Date : 31/08/2024
	Report Date : 02/09/2024
	Date of Sampling : 02/09/2024

AMBIENT NOISE LEVEL MEASUREMENT

Sr. No.	LOCATIONS	NOISE LEVEL READING IN dB (A)	
		DAY TIME	NIGHT TIME
		AVG	AVG
1	Near Amona Gate	65.3	58.8
2	Opp. BSNL Exchange	63.8	53.1
3	Near MCD Gate	64.6	52.6
4	Near Satteri Temple	60.9	52.7
5	Compound Wall Towards Navelim	62.4	53.1
6	Compound Wall Towards Maina	64.1	54.6

Remark- : Reference to above mentioned monitoring report all the parameters are within the limits.

Disclaimer-'information supplied by customers represented in italic font'

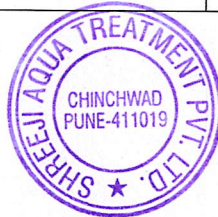
Noise Limits as per Schedule III of "The Environment (Protection) Rules, 1986" are as follows:

Area Code	Category of Area	Limits in dB(A) Leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

Sr. No.	Equipment Name	Equipment ID	Certificate No.	Calibration Detail	
				Calibrated Date	Calibration Due Date
Q677738	Sound Level Meter	SATPL/AIR/SLC/35	ME03183	18/03/2024	17/03/2025

Verified By,

Sr. Analyst



-----End of Test Report-----

For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager
Authorized Signatory

Annexure XII
Heat stress reports

Final Report

Quantitative Exposure Assessment Monitoring

Conducted at

Value Added Business (VAB)- Sesa Goa Iron Ore plant, Goa

Assessment Period: 21st to 23rd September, 2023

Date of Final Report: 23rd November, 2023

Submitted to

Dr. Abel Da Costa

Prepared by

Maulik Shah CIH

E-Mail: Maulik.shah@shahihs.com

Mobile: +91 9033893895

SHAH Industrial Hygiene Solutions

A-103, Elite 18 Square, CG Road,

Near President Hotel, Navrangpura,

Ahmedabad-380009

Contents	Page No.
1. Executive Summary	3
2. Methods and Evaluation Criteria	3
3. Results and Observations	4
4. Recommendations	5
5. Abbreviations	5
Appendices:	
Appendix 1: Industrial Hygiene Results Sheet	6
Appendix 2: Evaluator's CIH Certificate	7
Appendix 3: Calibration Certificates of IH instruments used during monitoring	8

1. Executive Summary

Whole Body Vibration Monitoring:

Total five whole body vibration samples were collected to check personal whole body vibration parameter. Eight-hour vibration acceleration result of all the samples are within the TLV-TWA as per ACGIH.

Heat Stress Monitoring:

Total Two area heat stress samples were collected to check area heat stress in the area. Result of both the areas heat stress is within TLV as per ACGIH.

Primary suggestions:

Heat stress-Primary suggestions:

- Recommended to continue providing electrolyte/buttermilk etc., to the employees working in those area to avoid heat related illness and to keep them hydrated.
- Recommended to provide training to the employees on “Signs and symptoms of Heat related illness” to get indication about the illness ASAP and can cure it.

Please read this report in conjunction with the following documents:

1. Industrial Hygiene Results Sheet as Appendix 1

2. Methods and Evaluation Criteria

a. whole body vibration sampling methodology

- 2.1 Pre calibrated SV 111- portable whole body vibration machine was used for active monitoring of whole body vibration exposure.
- 2.2 Monitoring plate was kept on the seat of the machine or chair and reading was taken after certain amount of time.

b. Area Heat Stress sampling methodology

- 2.3 SIHS team selected appropriate sensor placement in areas of heat exposure and had kept the meter around 1.2 meter height for 20 minutes to get a stable reading of all the parameters (dry bulb, wet bulb, globe temperatures, and WBGT index).

Whole Body Vibration & Heat Stress Evaluation Criteria

The ACGIH, 2023 established TLVs was used as primary evaluation criteria for comparing exposure monitoring results.

TLVs of physical parameter:

Whole body vibration	0.87 m/s ²
Heat stress	Refer appendix 1

3. Results and activity details

Please refer Appendix 1- Industrial Hygiene Results Sheet to find other monitoring data of the assessment.

Whole body vibration observation

1. **WBV- 01:** An employee was involved in wheel loader operation at the screening area. He was involved in loading, chipping, and hiping. He had completed loading of 16 chipping trucks for 80 minutes and hiping of 16 trucks for 25 minutes. He was also working in the skull yard, pig yard, and slag dryer yard. The skull material was large. His seat was provided with air suspension and seat adjustable system. That seat material was PU foam skid steer. He took a break of thirty minutes for lunch and 15 minutes for tea and breakfast. The road condition was a composite longitudinal slop with a small pit. Health issue: Some time during heavy workload, employee was getting back pain.
2. **WBV- 02:** An employee was involved in wheel loader operation at plant-5 area. He was involved in iron ore dosing, loading, and shifting. During the monitoring, he had completed loading of five to six trucks. He was also involved in the iron ore shifting. His seat condition was good and adjustable. That seat material was PU foam skid steer. He took a break for 30 minutes for lunch and 15 minutes for tea and breakfast. The road condition was sloppy, with vertical and horizontal curves on the road.
3. **WBV- 03:** An employee was involved in a wheel loader operation at the old coke shade area. He was involved in coal feeding into the three feeders for 8 hours. He had completed feeding of four buckets. His seat condition was good and adjustable. That seat material was a PU foam skid steer. He took a break of thirty minutes for lunch and fifteen minutes for tea and breakfast. The road condition was vertical and horizontal curves on the road.
4. **WBV- 04:** An employee was involved in a wheel loader operation at plants 6 and 7 area. He was involved in truck loading and stacking. He was working in coke yard 1, coke yard 2, new coal shade, and briquette plant shade. During the monitoring, he was involved in coke loading at Coke Yard 2, sixteen big trucks, and two small trucks loading at the new coal shade area. His seat was with an air suspension seat with seat adjustment system. That seat material was a PU foam skid steer. He took a break of thirty minutes for lunch and fifteen minutes for tea and breakfast. The road condition was vertical and horizontal curves with few pits on the road.
5. **WBV- 05:** An employee was involved in a wheel loader operation at the dispatch area. He was involved in pig loading into a truck. During the monitoring, he was involved in loading of six to seven trucks for twenty to twenty-five minutes. His seat condition was good and adjustable. That seat material was a PU foam skid steer. He took a break of thirty minutes for lunch and fifteen minutes for tea and breakfast. The road condition was vertical and horizontal curves with few pits on the road.

Heat stress observation:

1. **WBGT -01:** PID-1 location: PCM hot metal handling area. Worker was involved in moulding preparation at ladle. He used to observe material during filling it into the mould. He was also involved in removing the clogged metal near the tap hole with the help of the rod. When he was going near the tap hole that time he was wearing a leather jacket. The furnace was open 4 times in a day. Two workers were there for the ladle but both are working alternately so they are getting proper rest as one worker stay in the cabin when another is working in the

area. High pressurized fan was there and the workers stayed near the fan if there was no work near the tap hole.

2. **WBGT -02:** PID-2 Cast house- Employees were involved in operations at the cast house area. Five full-skilled workers, four semi-skilled workers, and one cast house in-charge were there. Full-skilled workers were involved, like two at the tap hole, two sludge or metal doms, and one at ladle removal. Semi-skilled workers were involved in two sub runner preparations and two sludge preparations. All workers were working alternately as per their operations. The tap-hole worker was wearing a leather jacket during his activity. After opening, the furnace was running continuously for 1.15 hours. After closing, it took 45 minutes for the second cycle of preparation. Only three times opening the furnace in 8 hours. The furnace opens three times in a shift.

4. Recommendations

Area Heat stress Monitoring

- Recommended to continue providing electrolyte/buttermilk etc., to the employees working in those area to avoid heat related illness and to keep them hydrated.
- Recommended to provide training to the employees on “Signs and symptoms of Heat related illness” to get indication about the illness ASAP and can cure it.

5. Abbreviations:

Short form	Full form
ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
ABIH	American Board of Industrial Hygienist
CIH	Certified Industrial Hygienist
IH	Industrial Hygiene
SIHS	SHAH Industrial Hygiene Solutions
TLV	Threshold Limit Value
TWA	Time Weighted Average

During the assessment, we appreciate the cooperation and support we received from all levels of professionals from Value Added Business (VAB)- Sesa Goa Iron Ore plant, Goa.

Report Prepared By



Maulik Shah CIH

SHAH Industrial Hygiene Solutions, Vadodara

Appendix 1:

Whole body vibration exposure results:

Sr. no.	Date	Department	Activity	Vehicle Number	Employee name	Location	Start time	End time	Duration (Min)	Current Exposure m/s ²	Daily 8 hours exposure m/s ²	ACGIH exposure limit for current exposure	ACGIH exposure limit for daily exposure
1	22/09/2023	Dispatch area PID- 1	Wheel loader operation	Samim Ali	MH09 GF 3742	Screening area	9:25	11:34	2:09	0.357	0.686	1.69	0.87
2	22/09/2023	PID- 1	Wheel loader operation	Shivchandra	GA06 E 0698	Plant- 5	12:25	14:22	1:57	0.319	0.645	1.95	0.87
3	22/09/2023	MCD	Wheel loader operation	Shubhash Kumar	GA06 D 6752	Old coke shade	14:39	16:40	2:01	0.304	0.605	1.72	0.87
4	23/09/2023	PID- 1	Wheel loader operation	Sanjay Prajapati	GA04 E 6524	Plant 6&7	10:15	12:26	2:11	0.331	0.632	1.68	0.87
5	23/09/2023	PID- 2	Wheel loader operation	Sambha Naik	MH14 TCF 500	Dispatch area	15:02	16:45	1:43	0.362	0.778	2.04	0.87

Heat stress exposure results:

Sr. no.	Sample ID	Department	Location	Time	WBGT Meter							ACGIH exposure limit- TLV (°C)
					Globe Temp. T _g (°C)	Wet bulb Temp. T _{wb} (°C)	Dry bulb Temp. T _d (°C)	WBGT i (°C)	RH (°C)	Dew (°C)	Metabolic rate of acclimatized workers and allocation of work in a cycle of work and recovery	
1	WBGT-1	PID-1	PCM hot metal handling area	20	29.9	28.8	29.2	28.6	84	36	Moderate work of tap hole workers (0 to 25%)	31.5
2	WBGT-5	PID-2	Cast house	20	31.0	27.8	30.7	30.4	69	30	Moderate for sludge and metal dom workers (0 to 25%)	31.5

Appendix 2: CIH Certificate

The Board for Global EHS Credentialing® (BGC®)

through its vested authority, hereby confirms that

Maulik Shah

has met all requirements of education, experience, and examination set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for initial certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

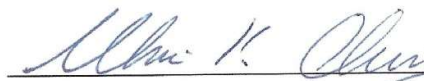
The aforementioned individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.



Credential Number: 12177 CP
Award Date: November 4, 2020
Expiration Date: June 1, 2026



Cynthia Hanko, CIH
Chair of the Board of Directors



Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary

Appendix 3: Calibration Certificates



TSI INCORPORATED – OCONOMOWOC

1060 Corporate Center Drive, Oconomowoc, WI 53066 USA
tel 651 490 2811 + toll free 800 245 0779 + web www.tsi.com

An ISO 9001
Registered Company

Certificate of Calibration

Certificate Number: 2205040818TPW050005

Model: QuesTemp[®] 32
S/N: TPW050005

Date Issued: 04-May-2022

On this day of manufacture and calibration, TSI certifies that the above listed product meets or exceeds the performance requirements of the following standard(s):

BS EN 27243(1994), ISO 7243(1989) - Hot environments. Estimation of the heat stress on working man based on the WBGT-index (wet bulb globe temperature)

Test Conditions: Temp: 18-25°C Humidity: 20-80% R.H. Barometric Pressure: 950-1050 mBar

Test Procedure: S056-790


Subassemblies:

Standard Sensor Bar NA

Reference Standard(s):

Device	Ref Standard Cal Due	Uncertainty - Estimated at 95% Confidence Level (k=2)
Fluke 45	23-Feb-2023	+/- 1.4% AC Voltage, +/-0.1% DC Voltage
Fluke 1524 Thermometer	23-Feb-2023	+/- 0.06 Degrees C Temperature

Calibrated By:



Byron Deerr - Assembler

In order to maintain best instrument performance over time and in the event of inspection, audit or litigation, we recommend the instrument be recalibrated annually. Any number of factors may cause the calibration to drift before the recommended interval has expired. See user manual for more information.

All equipment used in the test and calibration of this instrument is traceable to NIST, and applies only to the unit identified above. This report must not be reproduced, except in its entirety, without the written approval of TSI, Inc.



TSI INCORPORATED – OCONOMOWOC

1060 Corporate Center Drive, Oconomowoc, WI 53066 USA
tel 661 490 2811 + toll free 800 245 0779 + web www.tsi.com

An ISO 9001
Registered Company

EU Declaration of Conformity

Certificate Number: 2205040818TPW050005

Product Line: Area Heat Stress Monitor

Model: QuesTemp[®] 32

S/N: TPW050005

Directives Covered:

- > EMC / Council Directive 2014/30/EU on Electromagnetic Compatibility
- > Safety / Council Directive 2014/35/EU on Low Voltage Equipment Safety
- > RoHS / Council Directive 2011/65/EU on the restriction and use of certain hazardous substances
- > WEEE / Council Directive 2012/19/EU on waste electrical and electronic equipment.

The basis on which conformity is being declared:

EN 61326-1 (2005) Electrical equipment for measurement, control and laboratory use – EMC requirements
Group 1, Class B Equipment (emissions)

EN 61326-1 (2005) Electrical equipment for measurement, control and laboratory use – EMC requirements
Industrial Location Immunity

IEC61010-1 (2010) Safety requirements for electrical equipment for measurement, control, and laboratory use
Part 1: General requirements

CFR:47 (2008) Code of Federal Regulations: Part 15 Subpart B - Radio Frequency Devices - Unintentional Radiators

EN 50581 (2012) Technical documentation for the assessment of electrical and electronic products with respect
to the restriction of hazardous substances

Note: This certification applies to all standard options and accessories supplied with the instrument.

At the end of its life cycle, this product, and any internal power cell, must be sent to a WEEE recycling center, and is marked accordingly.

The technical construction file required by this directive is maintained in Oconomowoc, WI USA



Tom Jacobson - Vice President - Engineering, TSI, Inc.