

sesa goa iron ore

### Ref No. VAB/ENV/2025-26/04

Date: 30/05/2024

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

### Subject:

Submission of 1" six-monthly compliance report to the conditions of Environment Clearance [IA-J-11011/946/2007-IA-II(IND-I)] for M/s Vedanta Limited (Formerly Sesa Goa Ltd.)

### Reference:

1. IA-J-11011/946/2007-IA-II(IND-I) dated 18/10/2024

Respected Sir.

With respect to above reference, please find enclosed herewith: 1st six-monthly compliance report to Environment Clearance File No: 1A-J-11011/946/2007-1A-II(IND-I) dated 18/10/2024 for the period October' 2024 to March'2025 for M/s Vedanta Limited (Formerly Sesa Goa Ltd.).

Project Name: Proposed expansion in production capacity of Pig Iron Plant from 1 MTPA to 1.2 MTPA by increasing the production capacity of existing BF3 (from 0.65 MTPA to 0.85 MTPA) and sinter plant (from 1 MTPA to 1.2 MTPA) through debottlenecking and Installation of DI pipe Plant from 0.3 MTPA to 0.36 MTPA under clause 7(ii) of EIA Notification 2006 amended from time to time At villages: Amona and Navelim, Taluka: Bicholim, District: North Goa (Goa). The annexures are enclosed along with the compliance status report.

Thanking you.

Yours faithfully

For Vedanta Limited- Value Added Business

Saptesh Sardesa CEO- Velec Added Business

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

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# **Compliance Report to**

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

### (October'2024-March'25)

**Project Name:** Proposed expansion in production capacity of Pig Iron Plant from 1 MTPA to 1.2 MTPA by increasing the production capacity of existing BF3 (from 0.65 MTPA to 0.85 MTPA) and sinter plant (from 1 MTPA to 1.2 MTPA) through debottlenecking and Installation of DI pipe Plant from 0.3 MTPA to 0.36 MTPA under clause 7(ii) of EIA Notification 2006 amended from time to time At villages: Amona and Navelim, Taluka: Bicholim, District: North Goa (Goa)..

| Sr.  | Conditions of EC   | Compliance status   |
|------|--|---|
| no.  |  |   |
|      | A. Specif  | fic Conditions  |
| i.   | This Environmental clearance is granted subject to outcome of Hon'ble<br>Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other<br>Court of Law, if any, as may be applicable to this project.<br>The project proponent shall comply with all the environmental protection<br>measures and safeguards<br>proposed in the documents submitted to the Ministry. All the<br>recommendations made in the EIA/EMP in respect of environmental<br>management, and risk mitigation measures relating to the project shall be<br>implemented. | Noted.<br>Complied. All the Environmental Protection Measures are compiled and as a part<br>of the recommendations made in EIA/EMP Installation of additional ESP in Sinter<br>Plant and Additional 2nos of Silos to BF3 Gas cleaning plant is under progress       |
| ii.  | The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.   | Complied. As a part of carbon sequestration, every year plantation is carried out in<br>and around the plant premises during monsoons. FY 24-25 1500 Nos of plantation<br>was done.<br>Annexure I-Plantation photos   |
| iii. | As reported, Amona is at 0.3 km in WNW direction, Navelim-Maina at a distance of 0.4 km in SE direction of project site along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on  | Complied.<br>As a part of mitigation measures there are windshields along the plant boundaries,<br>windshields with top sprinklers, thick green belt developed, and gap filling done<br>every year in monsoons. As a part of the environmental monitoring programme |

|      | the habitation of the locals. The project proponent needs to strengthen<br>green belt all around the plant area to reduce the dust pollution. The PP<br>shall also include some of these locations in its environmental monitoring<br>programme.  | manual AAQM monitoring is carried out weekly twice in Amona, Maina and<br>Navelim village<br>Annexure II : AAQM village monitoring reports   |
|------|---|--|
| iv.  | Mandovi river is reported adjacent to plant site in SW direction, Cudnem<br>River at 0.5 km in NNW direction of project site along with other water<br>bodies within study area of the project site. A robust and full proof Drainage<br>Conservation scheme to protect the natural drainage and its flow parameters:<br>along with Soil conservation scheme and multiple Erosion control measures<br>shall be implemented. The ground water in the vicinity of the rivers must be<br>monitored periodically and reported to the IRO. | Complied<br>Proper drainage systems are available to protect natural drainage and its flow.<br>Excavated Loose soil is dumped separately and covered with geotextile and<br>plantation<br>Pre and post monsoon ground water monitoring is done at Amona, Navelim and<br>Maina village.<br>Annexure III: Dumps covered with geotextile and Pre and post monsoon<br>ground water monitoring reports  |
| v.   | The water requirement of 13896 KLD which shall be sourced from<br>Bandhara Valvonti River for fresh water, saline water from Mandovi river,<br>rainwater from harvested pits and PWD water for domestic consumption.<br>PP shall obtain necessary permission from the Competent Authority. No<br>ground water abstraction is permitted.   | Complied. Water withdrawal permissions are available. No ground water abstraction is done at the plant <b>Annexure IV: Water withdrawal permissions</b>  |
| vi.  | PP shall strictly implement the mitigation measures to minimise the pollution and undertake continuous monitoring of pollutants.  | Complied. As a part of mitigation measures we have Bag house systems, Gas cleaning plant, ESP's, Windshields along the plant boundaries, Rain guns, fog cannons, Enclosed conveyors, Tarpaulin tying on trucks top and material heaps, Speed limit to vehicles to avoid fugitive dust during movement, Road sweeping machine, Closed raw material storage shed, thick green belt is developed,4nos of CAAQMS stations and stack analyzers are installed and data is continuously getting communicated to GSPCB and CPCB <b>Annexure V: Mitigation measures</b> |
| vii. | Three tier Green Belt shall be maintained in at least 33% of the project area<br>along the project site of adequate width and tree density shall not be less<br>than 2500 per ha. Survival rate of green belt developed shall be monitored<br>on periodic basis to ensure that damaged plants are replaced with new plants<br>in the subsequent years.  | Complied. Green Belt has been developed within 54 hectares(33.5% of total land)<br>with a density of 2,500 plants per hectare. Further strengthening is done by gap<br>filling every year in monsoons. Green belt is also developed both towards Amona,<br>Navelim village. In addition, wind shields have been installed along the project<br>boundary towards these villages.<br>Annexure VI: Green belt developed along the boundaries and windshield   |
|      | <ul> <li>a. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with a width of 25 meters with tall trees &amp; broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for</li> </ul>   |  |

|       | air pollution & noise levels towards sensitive areas nearby project                               |   |
|-------|---|---|
|       | site such as Amona Village and Navelim village.   |   |
|       |   |   |
|       | b. PP shall practice geotagging of plant for better monitoring. PP shall                          | Being complied. Geotagging will be done and completed for plants in green belt  |
|       | also try to develop additional plantation in the nearby school in                                 | area of which procedure is in progress. Plantation will be taken up in schools in   |
|       | consultation with the school administration. Compliance status in                                 | vicinity of plants during upcoming monsoons i.e FY 25-26  |
|       | this regard, shall be submitted to concerned Regional Office of the                               | violinity of plants during upcoming monscens i.e 1 1 25 26  |
|       | MoEF&CC.  |   |
| viii. | The PP is advised to undertake plantation in the earmarked 33% greenbelt                          | Plantation will be taken up under 'Ek Ped Maa Ke Naam' Campaign FY 25-26 in   |
| v111. | area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign                          | the month June'25 and the details will be uploaded on MeriILiFE portal at   |
|       | and the details of the same shall be uploaded on MeriILiFE portal at                              | (https://merilife.nic.in).Plantation for FY 24-25 1500nos of plantation was carried   |
|       |   |   |
| •     | (https://merilife.nic.in) .<br>All the commitments made towards socio-economic development of the | out inside plant premises, school and village area<br>Complied. The proposed activities under the CER are under implementation. The |
| ix.   |   |   |
|       | nearby villages shall be satisfactorily implemented. The action plan based                        | expert agencies/ NGO partners are onboard for the execution   |
|       | on the social impact assessment study of the project as per the EMP in                            | Annexure VII: Snapshot of the purchase order issued.  |
|       | accordance to the Ministry's OM dated 30.09.2020 shall be strictly                                |   |
|       | implemented and progress shall be submitted to the Regional Office of                             |   |
|       | MoEF&CC. PP shall strictly comply with the revised timeline for                                   |   |
|       | completion of activities envisaged in the action plan of the earlier PH.                          |   |
| х.    | The project proponent shall undertake village adoption programme and                              | Complied. The holistic development of the nearby villages is going on through   |
|       | prepare and implement the action plan to develop them into a model village.                       | numerous CSR interventions in the area of Health, Education, Infra. Development,  |
|       |   | Agri., Water & Sanitation and sustainable livelihood opportunities. Project   |
|       |   | Gramnirman is already under implementation in nearby villages. MHU vehicles is  |
|       |   | operational in all nearby villages through Medihelp foundation.   |
| xi.   | The recommendations of the approved Site-Specific Wildlife Management                             | Complied Approved wildlife management plan for 5 years received from the State  |
|       | Plan shall be implemented in consultation with the State Forest Department.                       | Forest Department, Govt. of Goa, the implementation of the same is in progress.   |
|       | The implementation report shall be furnished along with the six-monthly                           | Communications from the Goa Forest department are attached in annexure. As a part   |
|       | compliance report to the concerned Regional Office of the MoEF&CC.                                | of the plan total 67.7lakhs is given to forest department which includes 25 nos. of   |
|       | 1 1 5   | 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.  |
|       |   | along what resource ongo was handed over to relest department.  |
|       |   | Annexure VIII: Activities carried out as per approved wildlife management   |
|       |   | plan  |
| xii.  | Top Recovery Turbine shall be installed in BF3. BF 1 & 2 shall be equipped                        | Being Complied. Top Recovery Turbine installation shall be taken up during  |
| A11.  | with stove waste recovery, cast house and stock house ventilation system                          | revamping.  |
|       | with store wase recovery, east house and stork house ventilation system                           | revamping.  |

|       | and slag granulation facility. Dry Gas Cleaning Plant shall be installed during next revamping of BF1 and BF2.  | 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.   |
|-------|---|--|
| xiii. | AAQ at Mosque and Siddhartha Caves archaeological sites shall be<br>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.<br>Annexure IX: Archaeological sites monitoring reports  |
| xiv.  | Parking area for trucks/dumpers shall be provided within the plant. No truck/dumper shall be parked outside the plant premises  | Complied. Parking area for trucks/dumpers is provided inside the plant premises.   |
| XV.   | Project proponent shall conserve wetlands located in the vicinity of the project site (Amona – $0.3$ km in Northern direction and Navelim – $0.6$ km in Northern direction) by developing green belt development all along the boundary of the wet land.  | Complied. During last monsoons plantation of trees was conducted in the collaboration of Village Panchayat Amona and temple committee of Navelim. The plantation in the vicinity and along the plant boundary wall is under execution.   |
| xvi.  | 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 sixmonthly compliance report to the concerned Regional Office of the MoEF&CC. | Complied. Riverine water quality is monitored monthly, and reports are submitted to GSPCB.<br>Annexure X: Riverine water quality reports   |
| xvii. | Secondary emission generated during charging, tapping of metal, slag<br>tapping may be controlled by providing canopy hoods at proper elevation<br>connected to air pollution control device without interfering with the<br>production process.  | Complied. The Dust Extraction Systems (DES) have been provided for coal charging and baghouses with hoods have been provided for tapping of metal.   |
| xviii | Additional Filter beds, arrester wall shall be provided along the storm water drainage for settlement of suspended particles and to prevent siltation.  | Complied. Additional filter beds and arrestor walls are provided in the storm drains and these storm drains are desilted every year before monsoon.  |
| xix.  | The recommendations contained in the storm water management plan shall<br>be strictly adhered with. The implementation report shall be furnished along<br>with the six-monthly compliance report to the concerned Regional Office of<br>the MoEF&CC.  | Complied. The storm water management plan is prepared and implemented. Geo-<br>blanketing of loose soil dump at project site is done as a part of the management<br>plan. Desilting of all the settling ponds and drains is done every year before<br>monsoons.<br>Annexure XI: Dumps covered with geotextile and desilted settling ponds drains |
| XX    | CO sensors shall be installed in all units which generate CO gas.   | Complied.CO gas sensors are installed at all units generating CO gas. There are in total 106nos of portable CO monitors and 106nos of online CO monitors.  |

| xxi | In pursuance to the IA(CMD) communication dated 15.07.2024, the  | Noted.  |
|-----|--|---|
|     | General Condition (v) on energy conservation measures, and General   |   |
|     | Condition (i) on waste management, as stipulated in EC dated 24.01.2022  |   |
|     | shall be deemed dropped for future compliance  |   |
|     | B. Gene  | ral conditions  |
| Ι   |  | ry compliance:  |
| i.  | The Environment Clearance (EC) granted to the project/ activity is strictly<br>under the provisions of the EIA Notification, 2006 and its amendments<br>issued from time to time. It does not tantamount/ construe to approvals/<br>consent/ permissions etc., required to be obtained or standards/conditions to<br>be followed under any other Acts/Rules/Subordinate legislations, etc., as<br>may be applicable to the project.  | Noted   |
| ii. | This Environmental clearance is granted subject to final outcome of Hon'ble<br>Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other<br>Court of Law, if any, as may be applicable to this project.  | Noted   |
| Π   | Air quality moni   | toring and preservation:  |
| i.  | The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS 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. (Already being addressed through previous EC conditions.) | Complied. Continuous Emission Monitoring System (CEMS) at the process stacks<br>and CAAQMS have been installed and are connected to Goa State Pollution<br>Control Board (GSPCB) and Central Pollution Control Board<br>(CPCB). Calibration of CEMS and CAAQMS is done as per schedule<br>Annexure XII: Calibration reports |
| ii. | The project proponent shall carryout Continuous Ambient Air Quality<br>monitoring for common/criterion parameters relevant to the main pollutants<br>released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and<br>NOx in reference to SO2 and NOx emissions) within   | Complied.4nos of CAAQMS have been installed and data is continuously getting communicated to GSPCB and CPCB.  |

|       | and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.(already being addressed through previous EC conditions.)              |  |
|-------|--|--|
| iii.  | The project proponent shall monitor fugitive emissions in the plant premises<br>at least once in every quarter through laboratories recognized under<br>Environment (Protection) Act, 1986 or NABL accredited laboratories.                  | Complied. We are monitoring fugitive emissions at our loading/unloading areas,<br>raw material storage areas and internal roads quarterly through MOEFCC<br>approved laboratory<br>Annexure XIII: Fugitive dust emission reports |
| iv.   | Sampling facility 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 facility.<br>Quenching towers are not a source of process emissions and are provided with<br>grit arresters.   |
| v.    | Appropriate Air Pollution Control (APC) system shall be provided for all<br>the dust generating points including fugitive dust from all vulnerable<br>sources, so as to comply prescribed stack emission and fugitive emission<br>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.       |
| vi.   | The project proponent shall provide leakage detection and mechanized bag<br>cleaning facilities for better maintenance of bags.  | Complied. Differential pressure measurement is available across bags to detect<br>leakage. Compressed Air puffing arrangement is available for mechanized<br>cleaning.   |
| vii.  | 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   |
| viii. | Ensure covered transportation and conveying of raw material to prevent<br>spillage and dust generation. The project proponent use leak proof<br>trucks/dumpers carrying coal and other raw materials and cover them with<br>tarpaulin.       | Complied. Raw material carrying trucks are covered with tarpaulin during transportation. All conveyors are closed types to avoid spillages and dust generation.  |
| ix.   | Recycle and reuse iron ore fines, coal and coke fines, lime fines and such<br>other fines collected in the pollution control devices and vacuum cleaning<br>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.   |
| х.    | The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.   | Complied. Baghouse systems with hoods are provided to all blast furnaces   |
| xi.   | Wind shelter fence and chemical spraying shall be provided on the raw material stockpiles.   | Complied. Windshields have 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.                                     |

| xii.  | Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.   | Complied. Tunnels are not present at our plant. For motor houses and oil storage rooms, proper ventilation system has been provided.  |
|-------|--|---|
| xiii. | Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.  | Complied.Baghouses, Electrostatic Precipitators (ESPs), Dust Extracting Systems (DESs), rain guns, fog cannons, windshields, road sweeping machines, water tankers and dry fog systems are present to control air pollution.  |
| xiv   | The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Enough additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere. | Complied. Wet scrubbers, baghouse systems, ESP's, EV vehicles are used for<br>internal employee transportation. Fog cannon mist cannons, rain guns are available<br>in raw material yards and dispatch area. Road spraying through tankers and Road<br>sweeping machine with sprinklers is present and deployed for road cleaning and to<br>arrest suspended dust in atmosphere.  |
| XV    | Bag filters shall be cleaned regularly, and efficiency of bag filter system shall be monitored at regular intervals.   | Complied. Compressed Air puffing arrangements are available for mechanized cleaning. Differential pressure measurement is available across bags to detect leakage. Efficiency monitoring is conducted annually, and reports are submitted to GSPCB and CPCB.  |
| xvi   | Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.   | Complied. Rain guns and fog cannons are available in raw material yards and dispatch areas. Additionally, road sweeping machines are available for control of fugitive dust emissions   |
| xvii  | The particulate matter emissions from the process stacks shall be less than 30 mg/Nm3 and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.  | Complied. Adequate measures like Gas cleaning system, bag houses are available<br>to maintain emissions from stack below 30mg/Nm3.Continuous Emission<br>Monitoring System (CEMS) have been installed at the process stacks and are<br>connected to Goa State Pollution Control Board (GSPCB) and Central Pollution<br>Control Board (CPCB).Calibration of CEMS is done regularly |
| xviii | Following additional arrangements to control fugitive dust shall be<br>provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area<br>(at the transfer points) like Iron Ore, Coal and for Fly Ash and similar<br>solid waste storage areas. b. Proper covered vehicle shall be used while<br>transport of materials. c. Wheel washing mechanism shall be provided in<br>entry and exit gates with complete recirculation system.  | Complied. Fog cannons/mist sprinklers are available at raw material storage area.<br>All raw material carrying vehicles are covered with tarpaulin. Wheel wash systems<br>are installed at the exit of raw material gate.   |
| III   | Air Quality Monitoring And Pre   | servation In Case Of Ferro Alloy Plants   |

| i.   | The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.  | Complied. Furnace is closed with hydraulic operated doors  |
|------|---|--|
| ii.  | Industry is going to use silica quartz in large quantities and going to<br>produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is<br>necessary to control silica/quartz exposures at production Departments, not<br>only emission norms as per Indian Factories Act. The permissible limit for<br>silica/quartz should be within 10 mg/m3 for total dust as per Indian<br>Factories Act. Therefore, it is recommended to monitor personal and area<br>exposures for silica quartz dust in the process plants. | Complied. Personal and area exposures for silica quartz dust are done in the process<br>plants.<br>Annexure XIV: Silica/quartz Reports attached.   |
| iii. | No Ferro-chrome production shall be carried out without prior<br>Environmental clearance from MOEF&CC.  | Noted and complied.  |
| iv.  | Dry quenching (CDQ) system shall be installed along with power<br>generation facility from waste heat recovery from hot coke-(Any further<br>expansion in the coke oven batteries of capacities 0.3MTPA and<br>0.322MTPA shall not be undertaken until CDQ system is put in place.<br>Further, it also suggested PP to prepare a techno-economically feasible<br>plan for switching over to CDQ, and submit the same to concerned RO<br>MoEFCC clearly indicating the timeline.)  | <ul> <li>Not applicable.</li> <li>Existing two coke oven batteries were built up in the year 1994 and 2013 with capacity 3,22,000 Tons/annum and 3,00,000 tons/annum respectively. The said coke ovens are of non-recovery type coke ovens wherein other material like tar etc are not recovered. The coke ovens are of horizontal assembly of ovens which works with negative pressure.</li> <li>For installing dry quenching plant coke oven battery capacity alone should be at least 5,00,000Tons/annum or more in single row. In our case individual coke oven batteries capacity is far less than 5,00,000Tons/annum. This gives 2,50,000 Tons/annum which is insufficient feed for the dry quenching plant</li> <li>There are two technologies which are available for coke oven namely chemical recovery and waste heat recovery. In case of chemical recovery lots of emission issues persist hence dry quenching is feasible. However, for non recovery type of coke ovens are operated with negative pressure with mandatory waste heat recovery. In case of our existing non recovery type coke ovens the waste heat recovery is at the rate of 500 /tons of coke which is higher than others</li> <li>Dry quenching plant is more feasible in vertical coke ovens. In case of Horizontal coke batteries, the civil structure for quenching tunnel shall be built at particular height which is quite difficult as we have to dug deep below the ground level for this structure. As these existing coke oven batteries are 30 years and 10 years old respectively the space around these</li> </ul> |

|       |  | <ul> <li>coke oven batteries are already occupied by different structures and currently no space available to install any plant around the coke ovens.</li> <li>There is existing wet quenching towers provided with grid arrestor and spray systems</li> </ul>   |
|-------|--|---|
| V.    | Facilities for spillage collection shall be provided for coal and coke on<br>wharf of coke oven batteries(Chain conveyors, land based industrial<br>vacuum cleaning facility). Land-based APC system shall be<br>installed to control coke pushing emissions.  | Complied. Wharf of coke is enclosed with parapet wall on two sides. Feed end is<br>connected to settling pond whereas discharge end on conveyor feeding to<br>screening plant. Coke from wharf is directly taken on conveyor lined with side<br>skirting. Hoods lined with pyro-block modules are provided on hot coke car for<br>control of emissions. |
| vi.   | Monitor CO, HC and O2 in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.   | Not applicable. 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.  |
| vii.  | Vapor absorption system shall be provided in place of vapour compression<br>system for cooling of coke oven gas in case of recovery type coke ovens.   | Not applicable as our coke oven batteries are non-recovery type   |
| viii. | The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.  | Complied. Sulphur content in blended coal is within limits  |
| ix.   | Online stack monitoring system for IF and RHF shall be installed, and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.   | Not applicable as there is no IF and RHF  |
| х.    | Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.   | Not applicable as there is no reheating furnace at plant  |
| IV    | Air Quality Monitoring An  | d Preservation In Case Of Di Pipe   |
| i.    | Ductile Iron (DI) plant shall have the following provisions: a. Bag filter for Zn coating and Mg converter area. b. Wet scrubbers in paint and bitumen coating area. c. Bag Filter in Cement lining area. d. PTFE dipped bags shall be used in the plant. e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm3. f. ETP with recycling facility shall be included, if applicable. | Noted. Currently Not applicable as DI is in construction phase  |
| V     | Air Quality Monitoring A   | And Preservation In Case Of Bof   |

| i.   | Basic Oxygen Furnace (BOF) gas shall be cleaned dry  | Not applicable as there is no Basic Oxygen Furnace   |
|------|--|--|
| VI   | Water quality mo   | nitoring and preservation  |
| i    | The project proponent shall install 24x7 continuous effluent monitoring<br>system with respect to standards prescribed in Environment (Protection)<br>Rules 1986 as amended from time to time and connected to SPCB and<br>CPCB online servers and calibrate this system from time to time according<br>to equipment supplier specification through labs recognized under<br>Environment (Protection) Act, 1986 or NABL accredited laboratories. | Complied. Continuous Effluent Monitoring Systems are present at our plant and<br>are connected to GSPCB and CPCB. Calibration of CEMS is done as per schedule  |
| ii.  | The project proponent shall monitor regularly ground water quality at least<br>twice a year (pre- and post-monsoon) at enough piezometers/sampling wells<br>in the plant and adjacent areas through labs recognized under Environment<br>(Protection) Act, 1986 and NABL accredited laboratories.  | Complied. Ground water quality is monitored twice a year,pre-monsoon, and<br>post-monsoon. Ground water quality monitoring was done in the surrounding<br>villages i.e. Amona, Navelim and Maina in the month of May'24(premonsoon)<br>and October 2024 as a part of post monsoon ground water study.<br>Annexure XV: Pre and Post monsoon ground water quality analysis |
| iii. | Garland drains and collection pits shall be provided for each stockpile to<br>arrest the run-off in the event of heavy rains and to check the water pollution<br>due to surface run off.   | Complied. Garland drains and catch ponds have been made along the stock piles<br>to arrest the run-off in the event of heavy rains and water pollution during rainy<br>season  |
| iv.  | Water meters shall be provided at the inlet to all unit processes in the steel plants.   | Complied. Water meters are installed at the inlet of all the unit processes.   |
| V.   | The project proponent shall make efforts to minimise water consumption in<br>the steel plant complex by segregation of used water, practicing cascade use<br>and by recycling treated water.   | Complied. Process water is recycled and reused. Rain water harvesting is practiced<br>and water is used for process also treated water from STP's is reused for<br>cooling/quenching purpose. No process water is discharged except for blowdown<br>water used for cooling purpose at Waste heat recovery powerplant.  |

| vi.<br>vii.<br>viii. | The proposed project shall be designed as Zero Liquid Discharge Plant. ETP<br>shall be installed and there shall be no discharge of effluent from the plant.<br>Domestic effluent shall be treated in Sewage Treatment Plant. Suitable<br>measures shall be adopted for sewage water handling to ensure no<br>contamination of any kind of water body<br>All stockyards shall have impervious flooring and shall be equipped with<br>water spray system for dust suppression. Stock yards shall also have garland<br>drains and catch pits to trap the runoff material and shall be implemented as<br>per the action plan submitted in EIA/EMP report.<br>Rainwater harvesting shall be implemented to recharge/harvest water as per | Complied.No process water is discharged except for blowdown water used for<br>cooling purposes of non-contact type condenser at Waste heat recovery powerplant.<br>Sewage treatment plants are present for sewage water treatment also soak pits are<br>provided which are cleared regularly through night soil tankers.<br>Complied. Rain guns, fog cannons, are available in yard for dust suppression,<br>Garland drains are made along the stock piles and connected to settling ponds to<br>trap the runoff.<br>Rainwater harvesting is implemented, and water is used for process. In the FY 24- |
|----------------------|--|--|
|                      | the action plan submitted in the EIA/EMP report.   | 25 218639m <sup>3</sup> qty was harvested and reused   |
| VII                  | Water Quality Monitoring And   | Preservation In Case Of Rolling Mills  |
| i.                   | The project proponent shall provide the ETP for effluents of rolling mills, if applicable, to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.  | Not applicable. Our coke oven batteries are non-recovery type coke<br>ovens where entire water used for coke quenching is recycled back to process<br>after passing through settling ponds   |
| ii.                  | Treated water from ETP of COBP shall not be used for coke quenching, if applicable.  | Not applicable as there are no rolling mills   |
| VIII                 | Noise monito   | pring and prevention   |
| i.                   | Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.   | Complied. Noise monitoring is conducted quarterly, and report is submitted to GSPCB and CPCB.<br>Annexure XVI: Noise monitoring reports  |
| ii.                  | The ambient noise levels should conform to the standards prescribed under $E(P)A$ Rules, 1986 viz. 75 dB(A) during daytime and 70 dB(A) during night time.   | Complied. Noise monitoring is conducted quarterly, and report is submitted to GSPCB and CPCB.  |
| IX                   | 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.   | Not applicable. In current operations, metal is getting covered with<br>insulation compound and hot metal is not transferred to longer distances, and it<br>is poured into the pig casting machine. Hence, torpedo ladle is not required   |

| ii.  | Restrict Gas flaring to < 1%.   | Complied. 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<br>system for all common areas, streetlights, parking around project area and<br>maintain the same regularly; | Complied. Solar power generation system of 100 KW is installed on roof top of admin building. The power utilized at plant is generated through Waste Heat Recovery Powerplants.<br>Annexure XVII: Solar power installation   |
| iv.  | Provide LED lights in their offices and residential areas.  | Complied. LED lights are provided  |
| Χ    |   | ures In Case Of Reheating Furnace  |
| i.   | The project proponent shall provide waste heat recovery system (pre-<br>heating of combustion air) at the flue gases of reheating furnaces.   | Not applicable as there is no reheating furnace  |
| ii.  | Practice hot charging of slabs and billets/blooms as far as possible.   | Not applicable as there is no reheating furnace  |
| iii. | Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and nonrecovery type coke ovens.  | <ul> <li>Not applicable.</li> <li>Existing two coke oven batteries were built up in the year 1994 and 2013 with capacity 3,22,000 Tons/annum and 3,00,000 tons/annum respectively. The said coke ovens are of non-recovery type coke ovens wherein other material like tar etc are not recovered. The coke ovens are of horizontal assembly of ovens which works with negative pressure.</li> <li>For installing dry quenching plant coke oven battery capacity alone should be at least 5,00,000Tons/annum or more in single row. In our case individual coke oven batteries capacity is far less than 5,00,000Tons/annum. This gives 2,50,000 Tons/annum which is insufficient feed for the dry quenching plant</li> <li>There are two technologies which are available for coke oven namely chemical recovery and waste heat recovery. In case of chemical recovery lots of emission issues persist hence dry quenching is feasible. However, for non recovery type of coke ovens are operated with negative pressure with mandatory waste heat recovery. In case of our existing non recovery type coke ovens the waste heat recovery is at the rate of 500 /tons of coke which is higher than others</li> <li>Dry quenching plant is more feasible in vertical coke ovens. In case of Horizontal coke batteries, the civil structure for quenching tunnel shall be built at particular height which is quite difficult as we have to dug deep below the ground level for this structure. As these existing coke oven batteries are 30 years and 10 years old respectively the space around these</li> </ul> |

|      |  | <ul> <li>coke oven batteries are already occupied by different structures and currently no space available to install any plant around the coke ovens.</li> <li>There is existing wet quenching towers provided with grid arrestor and spray' systems</li> </ul> |
|------|--|--|
| XI   | Waste  | management   |
| i.   | Kitchen waste shall be composted or converted to biogas for further use.   | Complied. Kitchen waste is treated in a composting unit and is recycled for further use  |
| ii.  | 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.   | Not applicable as there is no fly ash generation   |
| iii. | The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines- 3/. | Complied.<br>Annexure XVIII: Snapshots of SUP free awareness sessions  |
|      | a. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six-monthly compliance report being submitted by the project proponents  |  |
| iv.  | A proper action plan must be implemented to dispose of the electronic waste generated in the industry.   | Complied. All e-waste is disposed of through authorized vendors within the timeline<br>as per E waste rules.<br>Annexure XIX: Sample copy of E waste disposal manifest   |
| v.   | Solid waste utilization: a. PP shall install a slag crusher to convert steel slag<br>into aggregate for use in construction industry, fine sand for use as flux in<br>steel plant, sand in brick making and as lime in   | Complied. Slag generated is directly sold to cement plant. All solid waste is recycled<br>and reused except for bio medical waste and hazardous waste like paint tins, oil   |

|      | cement making. b. PP shall recycle/reuse solid waste generated in the plant  |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|--|
|      | as far as possible. c.   | making.  |  |  |  |  |  |  |
| N/TT | Used refractories shall be recycled as far as possible.  | La Casa Of Sintan Dlant  |  |  |  |  |  |  |
| XII  | Waste Management In Case Of Sinter Plant   |  |  |  |  |  |  |  |
| i.   | SMS slag after metal recovery in waste recycling facility shall be<br>conditioned and used for road making, railway track ballast and other<br>applications. The project proponent shall install a waste recycling facility to<br>recover metallic and flux for recycle to sinter plant. The project proponent<br>shall establish linkage for 100% reuse of rejects from Waste Recycling<br>Plant. | Not applicable. No SMS slag generated at plant   |  |  |  |  |  |  |
| ii.  | Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.  | Not applicable as Dust generated in GCP is recycled. The same is used as raw material in sinter production   |  |  |  |  |  |  |
| iii. | Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.  | Not applicable as Scrap is sold to authorized vendors, flux waste is reused in sinter plant production.  |  |  |  |  |  |  |
| iv.  | In case of non-recovery coke ovens, the gas main carrying hot flue gases to<br>the boiler, shall be insulated to conserve heat and to maximise heat recovery.  | Complied. Gas line carrying hot flue gases to the boiler is insulated  |  |  |  |  |  |  |
| v.   | Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).   | Not applicable.  |  |  |  |  |  |  |
| XIII | G  | reen Belt  |  |  |  |  |  |  |
| i.   | The project proponent shall prepare GHG emissions inventory for the plant<br>and shall submit the programme for reduction of the same including carbon<br>sequestration by trees.  | Complied. 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,100KW solar panel installation at admin block, Energy audit at plant and annual plantation program at plant and in surrounding villages |  |  |  |  |  |  |

| ii.  | Project proponent shall submit a study report on Decarbonisation program,   | Complied. Decarbonization plan has been prepared and is being monitored   |
|------|---|---|
|      | which would essentially consist of company's carbon emissions, carbon   | periodically for implementation.  |
|      | budgeting/ balancing, carbon sequestration activities   | Annexure XX: Decarbonization plan   |
|      | and carbon capture, use and storage and offsetting strategies. Further, the   | *   |
|      | report shall also contain time bound action plan to reduce its carbon intensity   |   |
|      | of its operations and supply chains, energy transition pathway from fossil  |   |
|      | fuels to Renewable energy etc. All these activities/ assessments should be  |   |
|      | measurable and monitor able with defined time frames.   |   |
| iii. | Greening and Paving shall be implemented in the plant area to arrest soil   | Complied.33.5% of total land is developed as green belt area Excavated loose soil   |
|      | erosion and dust pollution from exposed soil surface.   | is dumped separately and covered with geotextile. All internal roads are black  |
|      | 1 1   | topped  |
|      |   |   |
|      |   |   |
|      |   |   |
| iv.  | The DD shall married additional snow half within the marries of the   | Complied During managers EV 24.25 plantation may an instal at Community   |
| 1V.  | The PP shall provide additional green belt within the premises of the schools, in consultation with school authorities, within a radius of 1 K.M. | Complied.During monsoons FY 24-25, plantation was conducted at Government high school Navelim and Government primary school Maina. Fresh plantation |
|      | from the Plant.   | activities will be carried out along the plant boundaries and in the schools during   |
|      | from the Plant.   |   |
|      |   | upcoming Monsoon season. (Jun-Sept'25)  |
|      |   |   |
|      |   |   |
| XIV  | Public Hearing A  | nd Human Health Issues  |
| i.   | Emergency preparedness plan based on the Hazard identification and Risk   | Complied. Emergency preparedness plan based on the Hazard identification and  |
| 1.   | Assessment (HIRA) and Disaster Management Plan shall be implemented.  | Risk Assessment (HIRA) and Disaster Management Plan is implemented  |
|      | Assessment (TITCA) and Disaster Wanagement I fan snan oe implemented.   | Risk Assessment (HIRA) and Disaster Management Plan is implemented  |
|      |   |   |
|      |   |   |
|      |   |   |
|      |   |   |
| ii.  | The project proponent shall carry out heat stress analysis for the workmen  | Complied. Heat Stress study is part of our hygiene study which is conducted once  |
|      | who work in high temperature work zone and provide Personal Protection  | every two years.  |
|      | Equipment (PPE) as per the norms.   | Annexure XXI: Heat stress study reports   |
|      |   |   |
|      |   |   |

| iii. | Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.   | Not applicable as there is no housing facility for labours within the plant premises.  |
|------|---|--|
| iv.  | Occupational health surveillance of the workers shall be done on a regular basis and records maintained.  | Complied. Occupational health surveillance is done annually  |
| XV   | Environm  | nent 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. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.  | Complied. The baseline survey of the areas surrounding the plant was carried out<br>and accordingly the CER activities are planned in the village.   |
| ii.  | The company shall have a well laid down environmental policy duly<br>approve by the Board of Directors. The environmental policy should<br>prescribe for standard operating procedures to have proper checks and<br>balances and to bring into focus any infringements/deviation/violation of<br>the environmental / forest / wildlife norms / conditions. The company shall<br>have defined system of reporting infringements / deviation / violation of the<br>environmental / forest / wildlife norms / conditions and / or shareholders /<br>stake holders. The copy of the board resolution in this regard shall be<br>submitted to the MoEF&CC as a part of six-monthly report. | Complied. The company has a Health, Safety and Environment policy in place.<br>We are ISO14000:2015 certified (Environment Management System). Also, there<br>is a system in place for tracking and reporting of all the statutory compliances |
| iii. | A separate Environmental Cell both at the project and company head quarter<br>level, with qualified personnel shall be set up under the control of senior<br>Executive, who will directly to the head of the organization.  | Complied. Separate Environment cell exists both at project as well as head quarter. Separate budget is allocated towards environmental measures at site  |

| iv.  | Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.  | to GSPCB and CPCB.<br>Annexure XXII: Efficiency monitoring reports   |  |  |  |  |  |
|------|--|--|--|--|--|--|--|
| XVI  |  | scellaneous  |  |  |  |  |  |
| i.   | The project proponent shall make public the environmental clearance<br>granted for their project along with the environmental conditions and<br>safeguards at their cost by prominently advertising it at least in two local<br>newspapers of the District or State, of which one shall be in the vernacular<br>language within seven days and in addition this shall also be displayed in<br>the project proponent's website permanently. | <b>Complied.</b><br>Advertisement regarding grant of EC has been published on two local<br>newspapers The Goan every day and Goan Varta: Environmental Clearance has<br>also been displayed on company's website <u>https://sesagoaironore.com/</u> under<br>Sustainability section<br><b>Annexure XXIII: EC advertisement in newspapers</b> |  |  |  |  |  |
| 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<br>Annexure XXIV: Copies submitted to local bodies  |  |  |  |  |  |
| iii. | The project proponent shall upload the status of compliance of the stipulated<br>environment clearance conditions, including results of monitored data on<br>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 <u>https://sesagoaironore.com/</u> 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 monitored at<br>the plant site and the results are being displayed on the digital display boards<br>installed at our gates. Reports are uploaded on the company website.<br>Annexure XXV: Digital display board  |  |  |  |  |  |
| v.   | Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented   | Complied. All internal and connecting roads are blacktopped in terms of MSA as per IRC guidelines.   |  |  |  |  |  |
| vi.  | 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. Status of the compliance of the stipulated environmental conditions is submitted on the website of the Ministry of Environment, Forest and Climate Change.   |  |  |  |  |  |

| vii.<br>viii. | 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<br>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. | Complied. Yearly Environmental Statement in Form-V is submitted to the Goa<br>State Pollution Control Board as prescribed under the Environmental<br>(Protection)Rules, 1986 and is uploaded on company's website<br>https://sesagoaironore.com/ under Sustainability section<br>Noted and compliance assured   |
|---------------|---|---|
| ix.           | 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  |
| х.            | The recommendations of the approved Site-Specific Wildlife Management<br>Plan (in case of involvement of Schedule-I species) shall be implemented in<br>consultation with the State Forest Department. The implementation report<br>shall be furnished along with the six-monthly compliance report to the<br>concerned Regional Office of the MoEF&CC.   | Complied. Approved wildlife management plan for 5 years received from the State<br>Forest Department, Govt. of Goa, the implementation of the same is in progress.As<br>a part of the plan 25 nos. of trap cameras, Sponsorships towards Bird Festival and<br>Wildlife Week celebration, financial support for establishing water holes in wildlife<br>buffer area and Rescue van along with rescue cage was handed over to forest<br>department. |
| xi.           | The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left-over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.   | Complied. The details of the community development activities are available on the company website Environment Reports   Sesa goa iron ore  |
| xii.          | 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.   |
| xiii.         | Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.  | Noted.  |
| xiv.          | The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.   | Noted.  |

| XV.   | The Ministry reserves the right to stipulate additional conditions if found   | Noted.                             |
|-------|---|------------------------------------|
|       | necessary. The Company in a time bound manner shall implement these           |                                    |
|       | conditions.   |                                    |
| xvi.  | The Regional Office of this Ministry shall monitor compliance of the          | Noted.                             |
|       | stipulated conditions. The project authorities should extend full cooperation | Full co-operation will be extended |
|       | to the officer (s) of the Regional Office by furnishing the requisite data /  |                                    |
|       | information/monitoring reports.   |                                    |
| xvii. | Any appeal against this EC shall lie with the National Green Tribunal, if     | Noted.                             |
|       | preferred, within a period of 30 days as prescribed under Section 16 of the   |                                    |
|       | National Green Tribunal Act, 2010.  |                                    |

# <u>Annexure I</u> Photographs of plantation.











# <u>Annexure II</u> <u>AAQM Village Monitoring Reports</u>



According by NAR, as per (SO/EC 12025 2017

Centified by ISO 1001/2015, ISO 14301/2015 & ISO 45001/2018

Recognized by Ministry of Environment, Forent & Climate Change (MeEFCC), Goet, of India, New Celhi

Shreeji []

ENVIRONMENT . FOOD . ANIMAL FOOD & FEED . MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of Judia & H485, Valid Up to 13/08/2028.

| Test Report No.                 | 1017, 111x, 51.            |  | o, 42ae, 625, 89y, 95j, | 7. R. Date | 05/11/2024 |  |  |
|---------------------------------|----------------------------|--|-------------------------|------------|------------|--|--|
| Customer Name and Address       | M/s. VEDANT<br>VALUE ADDIT | NTA LIMITED<br>ITTON BUSINESS, AMONAANDNAVELIM, BICHOUM-GOA. |                         |            |            |  |  |
| Letter Ref/ Date.               | Bef. No. 4920              | 173634 date  | d 14/10/2024            |            |            |  |  |
| Sampling Done By                | SATPL Represe              | intative   | Page No.                | 10/1       |            |  |  |
| Month of Sampling               | OCTOBER-1024               |  |                         |            |            |  |  |
| SAMPLINGDETAILS - AMBIER        | TARMONIZORING: -           |  |                         |            |            |  |  |
| Sampling Location               |                            | Location-Near Amona Village                                  |                         |            |            |  |  |
| Duration of Sampling (Hrs.)     |                            | 24   |                         |            |            |  |  |
| Average Ambient Temperature(HC) | 28.0                       |  |                         |            |            |  |  |
| Average Relative Humidity (%)   |                            |  | 89                      |            |            |  |  |

ANALYSISREPORT>

| les. | Report No.            | Date of      | Parameters |           |        |         |        |       |          |        |      |       |          |        |
|------|-----------------------|--------------|------------|-----------|--------|---------|--------|-------|----------|--------|------|-------|----------|--------|
| 0    | REPORT NO.            | Sampling     | Phile      | PM        | 10,    | 80,     | 10.    | 00*** | 19       | CPL .  | A.   | - 11  | 0,000    | 300    |
| 3    | 5L/24-25/30/NMA/05N   | 95/30/2024   | :40.00     | 26.51     | 11.17  | 15.44   | (20.0  | 0.29  | - 0,1    | (0.0)  | -6.2 | - 6.0 | <00.0    | -0.1   |
| 2    | 31/24-25/30/MAA/28we  | 07/38/3024   | 53.32      | 20.41     | 8.77   | 14.81   | (28.0  | 0.10  | -0.1     | 41.0   | -5.8 | -6.1  | <30.8    | 40.1   |
| 3    | 3L/34-25/30/MAA/42ae  | 00/00/2024   | -44,70     | -23.17    | 11.71  | 11.11   | - 99.0 | 0.27  | (0.1     | 141.0  | 16.0 | 454   | -000     |        |
| 4    | 34/24-25/30/MAA/625   | 34/30/3024   | 48.64      | 24.53     | 8.46   | 17.13   | 058    | 0.26  | - 46.1   | 41.18  | - 41 | -3.4  | <20.8    | -6.3   |
| 5    | 81/24-25/10/MAA/I0y   | \$77,50/2024 | 55.06      | 27.01     | 11.02  | 15.58   | 499.0  | 0.30  | -441     | 1000   | 150  | 554   | +20.0    | -03.2  |
| 8    | 12/24-25/30/MAA/991   | 21/08/3124   | 10.43      | 25.78     | 8.13   | 25.33   | (35.0  | 0.17  | -0.5     | -41.0  | -44  | -64   | <20.3    | 483    |
| 2.   | \$4/34-25/10/MAA/1062 | 24/30/2024   | 45.17      | 22,87     | 8.77   | 13.48   | (35.0  | 0.37  | -001     | -41-8  | +5.3 | -64   | 400      | -0.1   |
| 1    | 5k/24-25/30/MAA/133×  | 38/55/3834   | 45.89      | 24.98     | 32.32  | 35.84   | 438.8  | 0.37  | -0.5     | 461    |      | - 151 | +2011    | -423   |
| 1    | 11/24-25/11/MAA/51    | 31,0302324   | 48.73      | 25.70     | 30.42  | - 15.32 | <35.0  | 0.20  | -0.5     | (GLE)  | -0.3 | (1.0) | -420.01  | - 48.3 |
| _    | NAAQS Limita*         |              | 100        | 60        | .80    | 510     | 400    | 4     | - 1      | 5      |      | 30    | 100      | -1     |
|      | Units                 |              | andiana    | Jag/mit : | 340/m2 | 148/m/  | Halini | mat . | lagher . | Marina |      | *     | highest. | agin/  |

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

\*\*\*Annual arithmetic means of minimum 304 measurements in a year at particular site taken twice a week 34 hourly at uniform intervals. \*\*\*\*Hearty Value

| TOUH | MAENTCALIBRA   | TIONDETA: E                |
|------|--|----------------------------|
|      | A CONTRACTOR OF A CONTRACTOR OF A CONTRACT O | THE REPORT OF THE PARTY OF |

|                          | ALL CONTRACTOR                                     |  | to mer man   | Calibration Detail   |                      |  |
|--------------------------|--|--|--|----------------------|----------------------|--|
| 5r. No.                  | Dipitations Martin                                 | Assignment 10  | Certificate Ain  | Calibrated Date      | Ealibration Due Date |  |
| 39.4-49                  | Flow Saldentor for DSM & foremeter (Dry Gat Meter) | \$495,0487010  | PROLITE  | 18.83.3014           | 15.00.4031           |  |
| 287-88                   | How Calibratur for ODM & Retenantar (New Work?)    | 14194/480/02/18  | entra esta   | 18-65.2224           | 13.03.2125           |  |
| 40.0                     | Tag loading Ontion Tags California                 | BATH, MANTADO/JO   | 9968287  | (8.13.3014           | 47.09.3428           |  |
| 14,10                    | Digital Bacometric Pressure Indextor               | TATIFU/ANA/INI/OS  | M009239  | 18.82.2234           | 17.00.3410           |  |
| 10120102011              | Animumakeuts (escl.b)                              | SATELANDARD  | ASPIN:28129-24/205-89  | 18-05-2224           | 38.03.2025           |  |
| prostantio               | RD1XMILE:  | 547%;/449;/445/25  | ADM/TELS-3A/308-00   | 10.03.2004           | 18.00.2028           |  |
| WHERE IN THE PARTY NAMED | Gaussia Artachesis bangka                          | DÄTPLIMINARKES   | AUF44/2023-24/205-08   | 160833234            | 18.09.2020           |  |
| THEFT                    | Digital Deriversi Balaren                          | DUSWB/G  | ACORES/CH 10/230072  | 19.01.3034           | 76.03.3020           |  |
| 100                      | Digital Spectraphotometer Model                    | and the second s | the state of the s | Tel Contractor India | man Californities    |  |

Beview By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager

Authorized Signatory

End of Test Report
 Plot No. 8-34, H Block, Lal Sopi Nagar, Morewad, MIDC, Perpiri-Cheichwad, Mahazahtra 413018.
 Lats: 184.Shree3 Terrace Apt. Plot No. 53, Purna Nagar, Chikbail, Pune: 411019
 Vedodara: Plot No. 1. Shah Ind. Park-1, Vedodara-Savk, Landapura. 391 775 Dist. Vedodara:
 Centomer Care No.: +515225247365 Email: Infomhreejiaqua.com
 Welle www.shrzejiaqua.com
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Accredited by NAIL as per ISO/IEC 17025/2017 Certified by 50 9001/2015.150 14001/2015 & 50 45001.2018

Recognized by Ministry of Environment, Parest & Climate Change (ModPCC), Govt. of India. New Delta

|| Shreeji ||

ENVIRONMENT . FOOD . ANIMAL FOOD & FEED . MICROBIOLOGY

### ty Recognized by Ministry of Environment, Forest & Cleases Change, Govt, of India & NABL York Up to 13/06/2026.

| Test Report No.                    |                            | 51/24-21/20/MAA/05P, 39zag, 42ag, 62z, 83za,<br>994, 103b, 111z, 508. |                          |                                       | 05/11/2024 |  |  |
|------------------------------------|----------------------------|---|--------------------------|---------------------------------------|------------|--|--|
| Customer Name and Address          | ITA LIMITED<br>TION BUSINE | A LIMITED<br>ON BUSINESS, AMONA AND NAVELIM, BICHOLIM-GOA.            |                          |                                       |            |  |  |
| Letter Ref/Date.                   | Ref. No. 492               | 0073614 date  | 8 14/10/2024             |                                       |            |  |  |
| Sampling Done By                   | SATPL Repre                | wontative   | Page No.                 | 1,011                                 |            |  |  |
| Month of Sampling                  | OCTORER-30                 | 34  |                          | · · · · · · · · · · · · · · · · · · · |            |  |  |
| IMPLING DETAILS - AMBIENT AIR MONE | TORING: -                  |   |                          |                                       |            |  |  |
| Sampling Location                  |                            | Location  | Location-Nevelim Village |                                       |            |  |  |
| Duration of Sampling [Hrs.]        | 24                         | .24   |                          |                                       |            |  |  |
| Average Ambient Temperature (VC)   | 26.0                       | 26.0  |                          |                                       |            |  |  |
| Average Balative Humidity [%]      | 89                         | 89  |                          |                                       |            |  |  |
|                                    |                            |   |                          |                                       |            |  |  |

#### ANALYSIS REPORT: -

| 192        | Report No.                | Date of     | Parameters |                   |        |        |                   |           |        |        |              |              |        |        |
|------------|---------------------------|-------------|------------|-------------------|--------|--------|-------------------|-----------|--------|--------|--------------|--------------|--------|--------|
| <u>, 1</u> | Report No.                | Sampling    | PHA        | PM <sub>1</sub> , | 50,    | ND,    | 104,              | C0+++     |        | 646    | 3h           | 16           | 0,***  | NOP.   |
| 1          | 5L/34-25/30/MAA/05P       | 83/55/3924  | \$1.37     | 28.22             | 11.07  | 18.37  | <00.0             | 0.27      | -0.1   | - 42.3 | 15.0         | =5.0         | -20.0  | -0.2   |
| 140        | SU/24-<br>25/10/MAA/39aag | 07/10/1004  | 45,54      | 23.29             | 9.77   | \$4.88 | <30.0             | 0.25      | -0.1   | +3.0   | 6.8          | -5.0         | 438.0  | -0.1   |
| 1          | SL/24-25/30/MAA/42ag      | 10/10/2024  | 0.47       | 13.70             | 112.89 | 16.87  | <20.0             | 0.33      | +0.5   | 0.0    | 43.3         | -6.8         | -38.0  | 1.19   |
| 14         | 51/24-25/10/MAA/62a       | 14/10/2024  | 49.61      | 14.95             | 9.11   | 30.41  | 420.0             | 0.27      | -0.1   | 4.0    | 45.0         | 0.0          | ~10.0  | -6.2   |
| 1          | 51/24-25/10/MAA/89as      | 17/10/2024  | 42.93      | TLUA              | 11.72  | 15.33  | -25.0             | 0.28      | 00.1   | 415    | -15.0        | <5.8         | <20.4  | +0.2   |
|            | \$L/34-25/10/MAA/99k      | 11/10/2524  | 46.18      | 23.70             | 10.41  | 32.33  | 436.0             | 0.00      |        | <1.5   | <\$.0        | -45.0        | +21.0  | +0.2   |
| -          | SL/34-25/10/MAA/1036      | 240/10/2024 | 50.33      | -25-78            | 6.45   | 15.17  | <35.0             | 0.28      | -44    | <1.0   | -5.0         | -5.0         | 425.0  | «D.2   |
| -          | st/24-25/10/W4A/1112      | 15/10/2014  | 44.06      | 22.46             | 11.07  | 16.01  | - 430.0           | 6.34      | 041    | . 410. | 1964         | 100          | +20.0  | -0.2   |
| -          | 31/24-25/11/MAA/508       | 11/11/2024  | 19.01      | 25.57             | 9.77   | 14,75  | <10.0             | 0,30      | -111-  | +1.0   | 44.8         | 453          | -and   | -0.2   |
| _          | NAADS Limits*             |             | 100        | 60                | 80     | 80     | 400               | .4        | 1      | 3      | . 6          | 20           | 003    | 1      |
|            | Units                     |             | 10/10*     | agree!            | HO/W   | ug/m?  | HB/m <sup>1</sup> | mer<br>wr | agint. | alar   | - 46/<br>107 | Fig2'<br>PMP | upher- | agiar' |

"N.A.A.Q.L-National Ambient Air Quality Standards.

\*\* Annual arithmetic means of minimum104 measurements in a year at a particular site taken twice a week 24 bourly at uniform intervals \*\*\* Hourly Value

### **EQUIPMENTCALIBRATIONDETAILS**

|                | 1  | Contrasta considerations and   |                       | Calibration Date                     | 4                      |
|----------------|--|--------------------------------|-----------------------|--------------------------------------|------------------------|
| In Ma.         | Equipment Name   | Equipment 43                   | Certificate Ba        | California filme                     | Californities Dwe Date |
| 19-5-56        | Figue Californitor for \$554 & Hotameter (Dry Eas Mater) | Samplandrich                   | annarra .             | MULTUR                               | 0.03.01/9              |
| 19-7-28        | How Collector for DEM & Reference (Door Web/A)           | SATINGAR/10/38                 | 1707.012              | 26.68.2094                           | 14,05,7828             |
| 1973           | Top loading Ordine Flow Calibrator                       | SATINUME/TODG/22               | HUG2C                 | 18.61.2024                           | 12.00.0008             |
| 1110           | Depited Recommittee Processing technistee                | GATHLARA/SP/TS                 | MEDITIZE              | 18-07.2004                           | 17.84.0025             |
| Limberti       | PHHEDUSTAKKELER (PM2.5)                                  | LATIN (MILLANS) IN             | AMM/0003-08/205-07    | 18-09.2524                           | p.m.203                |
| INFO DATA NAME | REG (MALE)   | providence and a second second | AUHW/2018-04/2019-01  | 18.03.2024                           | 18.09.2028             |
| HUNDRALL.      | General Attachment Semple                                | SATIN_JAUA/AASTIN              | Asronosci-olicitt-et  | 19.00.7034                           | 18.03.1010             |
| 85577          | Digital Dectropic Selence                                | CILLADORNAL                    | ACS/HOLPON HAD THE ?! | 18.05.1014                           | 14.00.110              |
| 144            | Digital Spectraphotometer Mindel                         | AST DAMA                       |                       | A REAL PROPERTY AND A REAL PROPERTY. | Harer Californitises   |
| Developed Ba   |  | 12 Commune Vall                | For Shreeji A         | qua Treatment Pv                     | t.1111.                |

HAD WHAD ar 1945.7

Beview By.

St. Analyst

Plot No. 8-34, H Block, Lai Topi Nagar, Morewadi, MDC, Pingri-Chinchwad, Mahanashoa 411018. 104 Shares Terroro dat Brazilia Chine State Sta Pune Laby . 164.5httej Terrace Apt. Plot No. 51, Punta Nagar, Chikhall, Pune: 411019 Vedodere: Plot No. 1, Stuh Ind. Park 1, Vedodera-Sovil, Landapora. 391 775 Dist. Vedodra Customer Care No.: +919225347365 fimali: Infodstreeplaque.com Web: www.shreeplaque.com

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Accessibility NABL as per ISG/IEC 17025/2017 CentRed by ISG/IEC 10012015, ISG 140012018 & ISG 450012018

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

|| Shreeji ||

ENVIRONMENT = FOOD = ANIMAL FOOD & FEED = MICROBIOLOGY

#### Laboratory Recognized by Ministry of Bovizenment, Porest & Climate Ownge, Govt. of India & NAM, Valid Up to 13/36/2028.

| Test Report No.                 | 31/24-35/11/MAA<br>1397, 148Aas, 15 |             | r, 78AM, 85aan, 10Auh,             | T. R. Date      | 05/12/2024 |
|---------------------------------|-------------------------------------|-------------|------------------------------------|-----------------|------------|
| Customer Name and Address       | M/s. VEDANT.<br>VALUE ADDIT         |             | SS, AMONAANDNAV                    | EUM, BICHOLIM-G | ioa.       |
| Letter Ref/ Date.               | Rof. No. 4920                       | 074218 date | d 12/11/2024                       |                 |            |
| Sampling Done By                | SATPL Represe                       | intitive    | Page No.                           | 1011            |            |
| Month of Sampling               | NOVEMBER 20                         | 14          |                                    |                 |            |
| SAMPLINGDETAILS - AMBIEN        | TAIRMONITORING: -                   |             |                                    |                 |            |
| Sampling Location               |                                     | Location-   | Near Amorta Village                |                 |            |
| Duration of Sampling [Hrs.]     |                                     | .24         | Configuration of the second second |                 |            |
| Average Ambient Temperature[9C] |                                     | 30          |                                    |                 |            |
| Asserage Relative Humidity [%]  | 161 8                               | 74          |                                    |                 |            |

ANALYSSREPORT>

| 6.1  | Report No.              | Date of    |                  |                 |        |        |                 | Parar        | neters |       |                  |   |         |          |
|------|-------------------------|------------|------------------|-----------------|--------|--------|-----------------|--------------|--------|-------|------------------|---|---------|----------|
| ¥    | Report red.             | Sampling   | PM <sub>et</sub> | PM              | 30,    |        | NH <sub>1</sub> | C0****       | 29     | C.H.  | AL.              | 16  | 0,***   | 1,7(4)?  |
| 1    | 11/24-25/21/MAA/30AAK   | 04/11/3534 | 54.63            | 25.30           | 32.43  | 15.58  | +20.0           | 0.81         | -0.1   | -(4.0 | -6.0             | -5.0  | 495.0   |          |
| 1    | 11/14-25/11/MAA/WAAW    | 10/11/2014 | 65.54            | 24-53           | 11.37  | 17.36  | ×00.0           | 0.0          | 45.1   | +3.0  | (5.0             | <54   | -35.0   | +0.2     |
| 3    | 8U24-35/31/MAA/78AM     | 11/11/2014 | . 58.23          | 25.88           | 8.45   | 19.05  | 420.0           | 0.345        | - 43.  | <1.8  | - 45.0           | e\$.8   | 4918    | -46,2    |
| 04 T | 31/24-35/33,MAA/85aaa   | 14/11/2014 | 531.55           | 21.17           | 11.07  | 18.11  | <10.0           | 0.29         | -63    | +0.0  |                  | <s.ii< td=""><td>-00.0</td><td>0.2</td></s.ii<> | -00.0   | 0.2      |
| 5    | 36/24-25/31/16844/10445 | 10/11/2014 | 55.23            | 26.14           | 9.22   | 3.8.00 | <20.0           | 0.36         | -63    | 43.8  | 45.0             | <0.D  | 433.0   |          |
| 1    | 51/34-35/11/MAA/138V    | 11(11/2014 | 37.02            | - 28.38         | 36.42  | 10.70  | -000            | :030         | -0.3   | (1.0  | <5.0             | *5.0  | 420.8   | -0.2     |
| Т.   | 11/14-25/11/MAA/144Aas  | 25/11/2014 | 52.84            | 24.13           | 13.02  | 18.20  | <20.0           | 0.36         | -61    | +2.0  | - 48.0           | -5.0  | +29.8   | 10.2     |
| 8    | 16/24-25/11/M/A/1548g   | 38/11/2034 | 34.33            | 25.37           | 19.52  | 11.13  | <20.0           | 0.29         | 63     | -48   |                  | - 45.0  | 420.8   |          |
|      | NAAQ5 Dirrita*          |            | 100              | 00              | 80     | 80     | 400             | 4            | 1      | 5     |                  | 20  | 100     | 1        |
|      | Units                   |            | sighter          | $100^{6} M^{1}$ | Marine | 16797  | NS/WY           | eng/<br>1941 | Here   | 10.00 | 240 <sup>4</sup> | 790'<br>101                                     | istino. | - Higher |

\*N.A.A.G.5.-Notional Ambient Air Quality Standards.

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

#### - EQUIPMENTEALHAATIONDETAILS

|              |   |                   |                      | Calification D  | rial                  |
|--------------|---|-------------------|----------------------|-----------------|-----------------------|
| Line Proc    | Tasipment flere   | Dysipman (D       | Certificate Ita.     | Calibrated Date | Difference Due Date   |
| 114.646      | Flow Calibrative for 2014/ & Autometer (Dry Key Meller) | SATEL/MA/Sold     | PPIN 1               | 10/08/38/34     | 15.08.30(9            |
| 29.7.05      | Flow Celevitor for DOM & Rotemeter (Disa Watch)         | MITS/WIMPIC/DR    | E993111              | 16/03/201       | 13,03,2025            |
| 1010         | Tag tax big Online Plans Californian                    | SATPLARETLOCUS    | #P01037              | 38105.0004      | 17.09.3018            |
| 1119         | Digital According Pressure Indicator                    | ANTIC AND MODE    | MOTOR                | 30.01.1694      | 13.00.3015            |
| autoritent.  | PREDUITSAMPLERUPALIN                                    | \$41%(Automy)15   | ASPM/2023.14/205-08  | 10001.1024      | 18,05,0525            |
| 20000000000  | 001.094/10.1  | SATIN, AND AND IS | 45954/2025 24/205-05 | 10.03 2034      | 18.05 2225            |
| errestrunds. | Residue Mileforment Lampte                              | same, acaylaxa/18 | KOPM/2023-04/2025-05 | 10.01.1024      | 18/03.2025            |
| 1942 F       | Eight Entropy: Belgium                                  | 01/04/0/45        | ACM/4568CM/93/230072 | 10.01.1024      | 10/01/2025            |
| 194          | Dighel Spectrustration Walki                            | BAR44             |                      |                 | Frégole Californition |

Beview By,

Ser, Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Quality Manager Authorized Signatory

-End of Test Report

Puene: Pot No. 8-34, Hillitich, Lal Topi Nagar, Worward, MICC, Perpiri-Chinchward, Maharashtra 411018. Lala: 1845/heegi Tertace Apt. Plot No. 53, Purna Nagar, Chikhail, Pune: 411019

Vadodana: Pist No.1, Sheh Ind. Park 1, Vadodara-Sevil, Lamsdapura, 3H1 775 Elist, Vadodra-

Customer Care No.: +979225267365 Email: Info@shreejaqua.com. Web: www.shreejaqua.com

Shreej! Agus Is always subject to improvement for bottor customer splitification, we welcome your feedback on pone, Jab@chreejlogus.com



termether Construction Polyments (Digit Con-

Accredited by NABL in per (SG/0), 175252017

Centriest by ISO-59912015, ISO 140012015 & ISO 450012018 Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt, of Institu, New Cellvi

ENVIRONMENT 
 FOOD 
 ANIMAL FOOD & FEED 
 MICROBIOLOGY

Laboratory Recognised by Ministry of Environment, Ferent & Climate Change, Gevt. of India & NABI, Valid Up to 23/08/2028.

[[ Shreeji ]]

| Test Report No.                    | 10/34-25/11/MA/<br>1398, 1464ag, 25 |             | 7840, 85eat, 204ej, | T. H. Date      | 09/13/2014 |
|------------------------------------|-------------------------------------|-------------|---------------------|-----------------|------------|
| Customer Name and Address          | M/s. VEDANT<br>VALUE ADDIT          |             | SS, AMONA AND NA    | WEUM, BICHOLIM- | GOA.       |
| Letter Ref/Date.                   | Ref. No. 4920                       | 074218 date | d 12/11/2024        |                 |            |
| Sampling Done By                   | SATPL Repres                        | entative    | Page No.            | tof1            |            |
| Month of Sampling                  | NOVEMBER-20                         | 124         |                     |                 |            |
| WPLING DETAILS - AMBIENT AIR MONIT | NORUMG: +                           | 100         |                     |                 |            |
| Sampling Location                  |                                     | Location-   | Navielim Village    |                 |            |
| Duration of Sampling [Hits.]       |                                     | 24          |                     |                 |            |
| Average Ambient Temperature[PC]    |                                     | 30.0        |                     |                 |            |
| Average Relative Humidity [%]      |                                     | 74          |                     |                 |            |

ANALYSIS REPORT:

| <b>9</b> | and and and the        | Oute of    | Parameters |        |        |       |          |                     |        |        |       |         |        |        |
|----------|------------------------|------------|------------|--------|--------|-------|----------|---------------------|--------|--------|-------|---------|--------|--------|
|          | Report No.             | Sampling   | 264        | PM.,   | 50.    | 80,   | MH.      | (0) <sup>3444</sup> | Pb     | E.H.   | Ac    |         | 0,***  | RMP    |
| 1        | SUGH-25/TUNHA/SDAAT    | 94/11/2024 | 14.12      | .14/85 | 13.37  | 17,00 | -20.0    | 0.39                |        | 0.D    | -54   | -(1.0)- | <00.0  | -0.2   |
| 1        | SL/34-JS/TL/MAA/BDAAY  | 0771172024 | 48.32      | 28.87  | 8.45   | 18.41 | 428.0    | 0.44                | 49.1   | 0.8    | 45.8  | 65.8    | <00.0  | -63.2  |
| 3        | SI,04-35/53/MAA/TERO   | 11/11/2014 | 32.75      | 17.01  | 3.0.42 | (3.8) | <20.8    | 0.28                | - 46.4 | .418   | -6.0  | -6.0    | (350   | -0.1   |
|          | BL/24-25/L1/MAA/85aaz  | 34/11/3024 | 41.63      | 35.58  | 837    | 15.87 | 4018     | 0.71                | 48.1   | -410   | 464   | 4.0     | 435.0  | -00.3  |
| 3        | 54/24-25/13/MAA/304aj  | 10/11/2024 | 47.35      | 23.29  | 9.13   | 16-55 | 470.0    | 0.33                | - 483  | 0.0    | -15.6 | -50     | <26.0  | - 40.1 |
| 6        | \$1/24-25/11/MAA/1388  | 21/11/223  | \$7.66     | -17.06 | 11.07  | 18.05 | 425.8    | 0.22                | -6.1   | 41.0   | 164   | 4.0     | 430.0  | -00.3  |
| Ŧ        | 11/24/35/11/MAA/3444ag | 29/11/2024 | \$2,33     | 34.13  | 10.47  | 17.30 | (20.0    | 0.34                |        | -41.0  | -54   | 44      | 420.0  | -40.2  |
| 8        | 5024-25/51/MAA/3548    | 38/11/3024 | 49.11      | 18.18  | 8.45   | 14.11 | 488.8    | 0.37                | -0.1   | -3.8   | 15.5  | 6.0     | -30.0  | -0.2   |
| -        | NAAQS Limits*          |            | 100        | 60     | 80     | 80    | 400      | 4                   | 1      | . 5    | 6     | 20      | 100    | 1      |
|          | Units                  |            | agine?     | agine. | 10/11  | HE/W  | - pig/mi | mgr                 | ya/wi  | peler- | 1947  | 10/     | 40/107 | mpimi  |

\*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

#### EQUIPMENTCALIERATIONDETAILS

|             |   |                   | the second second    | Californi Set    | sil .               |
|-------------|---|-------------------|----------------------|------------------|---------------------|
| Se. No.     | Basigoverst Navie                                     | fgutereent.00     | Certificate Mr.      | California Date. | Calibration Due Det |
|             | Plase Exhibition for OOM & References (Dry Gas Mater) | SATELWARTCOM      | rreitus              | 36.83.2024       | 11.01.2025          |
| 237-05      | Rear Californian for 2004 & Returnerse filter, Web/G  | SATELANDUTCH      | ETROJE               | 35.85.2038       | 15.03.2025          |
| 621.9       | Top loading Orline Haw Calibrator                     | SHIPS/WW/TUOSCIE  | PROLET               | 10.05.003        | 17.01.2025          |
| 1119        | Ognatiliarsmeate Pressure indicator                   | SATIN/AM/SP/01    | WEDD228              | 28.00,0034       | 17.03.2025          |
| 10000471    | CINESSISTSAMPLER (PMILS)                              | 3475,000,045,010  | ADD9/2025-34/305-01  | 10.00.1004       | 18.01.2025          |
| 19940761921 | ADS (PND) (   | TATIN, OAR/AAG/TB | ADAM/2020-24/2020-OT | 18.02.2034       | 10.01.1003          |
| 10000764523 | General Attachment Sample                             | SATPL/ARE/MAG/ER  | A996/3023-34/303-01  | 19.03.1094       | 10.03.2025          |
| 53517       | PigHel Discourse believes                             | 31/3565/41        | ACTIVITATION DEVICES | 38.63.2524       | 14.01.1625          |
| 114         | Ogital Lawrruphatumater Mudal                         | BLOOTHE           |                      | (refe            | toir Californitus   |

Review By.

Er: Analyst



-End of Test Report-

For Strenji Aqua Treatment Pvt. Ltd.

Quality Manager (Authorized Signatory)

Pune: Pict No. 9-34. H Block, Lal Topi Nagar, Morewadi, MDC, Pierpii Chinchwad, Maharashtra 411018. Labi: 164,Shreeji Terrace Apt. Pict No. 53, Punsa Nagar, Chikhali, Pune: 411019 Vadodarai Piot No. 1, Shah ind. Park-1, Vadodavi Savli, Lamdapura. 391 775 Diet, Vadodavi

Customer Care No.1+919225247365 Email: info@shrwejiaqua.com Web: www.shreejiaqua.com

Streej Ague is always subject to improvement for botter contomic apticlaction, we extrame your feedback on pume Jabit directionancom

### || Shreeji ||



## SHREEJI AQUA TREATMENT PVT. LTD.

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Accredited by MABL as per ISG/IEC 17035/3017

Certifiest by (SO 9001-2015, ISO 14031-2015 & ISO 45001-2018

72

Acceptized by Ministry of Environment, Fonist & Elimate Change, (MoEFCC), Govt. of India, New Delhi

ENVIRONMENT 
 FOOD 
 ANIMAL FOOD & FEED 
 MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govi. of Judia & BABI. Valid Up to 13/96/2016.

| Test Report No.                 | 51/24-25/12/W<br>1214, 1322, 14 |             | w, 68x, 724H, 80y, 106h, | T. R. Date    | 64/01/2025 |  |  |  |
|---------------------------------|---------------------------------|-------------|--------------------------|---------------|------------|--|--|--|
| Customer Name and Address       | M/s. VEDANT<br>VALUE ADDIT      |             | SS, AMONAANONAVE         | UM, BICHOUM-C | iOA.       |  |  |  |
| Letter Ref/ Date.               | Ref. No. 4920                   | 074711 date | d 06/12/2024             |               |            |  |  |  |
| Sampling Done By                | SATPL Repres                    | entative    | Page No.                 | 10f1          |            |  |  |  |
| Month of Sampling               | DECEMBER-20                     | 12.4        |                          |               |            |  |  |  |
| SAMPLINGDETAILS - AMBIER        | TARMONITORING: -                |             |                          |               |            |  |  |  |
| Sampling Location               |                                 | Location-   | Naar Amona Village       |               |            |  |  |  |
| Duration of Sampling [Hrs.]     |                                 | 24          | 24                       |               |            |  |  |  |
| Average Ambient Temperature[VC] |                                 | 31          |                          |               |            |  |  |  |

### Average Relative Humidity [%]

ANALYSISREPORT>-

| 6   | and and and           | Date of    | Parameters |        |        |       |       |                |       |        | 1                       |                          |        |        |  |  |
|-----|-----------------------|------------|------------|--------|--------|-------|-------|----------------|-------|--------|-------------------------|--------------------------|--------|--------|--|--|
| 9   | Report No.            | Sampling   | PM         | PM     | 50,    | 80,   |       | 00+++          |       | 646    | 44                      | - 10                     | 0,***  | B(a)P  |  |  |
| 1   | 18/24-25/10/MAA/01AAF | 02/12/2024 | 64.71      | 32.01  | 11.11  | 37.00 | <35.0 | 0.13           | -0.1  | 0.0    | -64                     | -d.0                     | -30.0  | +0.2   |  |  |
| 2   | \$1/24-25/12/MAA/40a  | 05/12/3074 | 54.83      | 27.45  | 8.46   | 38.15 | <26.0 | 0.87           | -05.7 | - 41.0 | -64                     | -6.5                     | +78,9  | -19.2  |  |  |
| 3.  | 11/24-25/12/MAA/66t   | 09/12/2024 | -E0.41     | 29.52  | 15.07  | 11121 | <00.0 | 0.10           | -03.1 | 14.8   | 454                     | -6.0                     | 420.0  | -0.2   |  |  |
| - 8 | 51/24-25/12/MAA/72AH  | 12/12/2024 | 45.58      | 25.32  | 9.72   | 18.87 | <36.0 | 0.40           | 40.1  | (1.0   | <6.0                    | da                       | <30.6  | -0.3   |  |  |
| \$  | 3L/24-25/12/MAA/80y   | 16/12/2004 | 59.48      | 90.36  | 8.12   | 39.57 | +20.0 | 0.29           | -0.1  | -0.0   | 6.0                     | (3.8)                    | +70.0  | -64    |  |  |
| 4   | SL/24-25/12/MAA/106b  | 19/12/2024 | 52.6       | 25.61  | \$2.37 | 17.24 | -000  | - 3.36         | -0.1  | 4.8    | -6.0                    | -6.0                     | <00.0  | -6.2   |  |  |
| 7.  | 51/24-25/12/MAA/1210  | 23/12/2024 | 56.71      | 28.28  | 10.82  | 13-41 | <00.0 | 8.31           | - 401 | GB     | -0.0                    | 10.0                     | 400.0  | :63    |  |  |
|     | sk/34-35/13/MAA/1122  | 25/12/2024 | 62.32      | 29.94  | 3.44   | 13.87 | +20.0 | 0.25           | 40.1  | (1.0   | 654                     | Seal                     | 433.0  | -62    |  |  |
|     | 51/34-25/12/MAA/1408  | 30/12/2024 | 51.58      | 27.05  | 13.02  | 36,17 | <20.0 | 0.38           | -0.1  |        | (5.0)                   | 45.0                     | 499.0  | +8.7   |  |  |
|     | NAAQ5 Limits*         |            | 100        | -00    | 60     | -80   | 600   |                | 1.1.1 | 5.7    | 4                       | 20                       | 100    | 1      |  |  |
|     | Unita                 |            | agnet      | water: | 16/17  | 18/19 | 10/11 | . 1945/<br>101 | HET   | 10000  | 192 <sup>4</sup><br>947 | 100 <sup>1</sup><br>.101 | 348/97 | - ng/m |  |  |

\*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 34 hearly at uniform intervals.

"""Hourty Veloe

#### **EQUIPMENTCAUBBATIONDETAILS**

|               |   |  |                      | Collimation Detail | ing and a second      |
|---------------|---|--|----------------------|--------------------|-----------------------|
| Sec. Has      | Equiprent Norme   | Equipment ID   | Cortificator No.     | Calibrated Data    | Calibration Dass Date |
| AGA-as        | Filme Californian Roy (2004) & Rutamonian (City Data Meter) | BATRUAR/PCZ18  | PP08223              | 18/04/2026         | 16/08/2009            |
| s+#           | Firm California for 2004 & Relamster (Data Walet)           | BATHUMP/RC/18  | erouza               | 38/00/3034         | 18/09/3029            |
| 10.9          | Tap loading Orline Rev Califertor                           | MTHUMM/TEDCZE  | PHOA221              | 18/00/2024         | 177/01/10025          |
| üll):         | Orgital Bartometric Pressane indication                     | SATEL/AR/SEVES   | W800238              | 18/05/1004         | 13/99/2009            |
| interpinences | FINEDUSTSAMPLER (PAUL)                                      | DATELSAN/AAD/25  | ADM/DEED 24/DOI-OF   | 12//04/2004        | UM/03000              |
| aceditions    | ADD (PMUD)  | GATRU/MIS/AAU/25   | AMPARTED-34/105-08   | 19/08/3334         | MARCHIES              |
| exectinge     | Gaveraits Attachment Sample                                 | SALL AND A SUBJECT OF A SUBJECT | ASPAVILES 34/308-08  | VMVM/2014          | 10/93/2005            |
| MART.         | Digital Dischores Bahevier                                  | N./1948/41   | HTL/466/CM 35/210070 | WWW.ctain          | 1A/09/2005            |
|               | Capital Spectraphytameter Madel                             | No. PLATER MAL   |                      | The set College    |                       |



For Shreeji Aqua Treatment Pvt. Ltd.

SJMY Managing Director Authorized Signatory

-End of Test Report-

### || Shreeji ||



### SHREEJI AQUA TREATMENT PVT. LTD.

Proceeding Conference of Science Under Der Face Accendited by NABL as per SCHEC 178252817 Centified by SC 9001:2015.150 14001:2015 & ISO 45001:2018

Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Gent, of India, New Unity

· ENVIRONMENT · FOOD · ANIMAL FOOD & FEED · MICROBIOLOGY

Laboratory Recognised by Ministry of Environment, Torest & Climate Change, Eave, of India & BARI, Value Up to 13/98/2018.

| 51/24-25/13/MAA/03AAR, 40<br>306j, 121w, 5329, 1400 | W, 66AB, 72AJ, 80au,  | T. R. Date  | 04/01/2025   |   |
|---|---|---|--|---|
| M/s. VEDANTA LIMITED<br>VALUE ADDITION BUSINE       | SS, AMONA AND NA  | VELIM, BICHOLIM-  | GOA.   |   |
| Ref. No. 4920074711 date                            | d 05/12/3024  |   |  |   |
| SATPL Representative                                | Page No.  | lof1  |  |   |
| DECEMBER-2024                                       |   |   |  |   |
|   | 106; 121w, 1325; 140<br>M/s. VEDANTA LIMITED<br>VALUE ADDITION BUSINE<br>Ref. No. 4920074711 date<br>SATPL Representative | M/s. VEDANTA LIMITED<br>VALUE ADDITION BUSINESS, AMIONA AND NA<br>Ref. No. 4920074711 dated 06/12/2024<br>SATPL Representative Page No. | 106j, 121w, 1320, 140t.     T. R. Date       M/s. VEDANTA LIMITED     VALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM-       Ref. No. 4920074711 dated 06/12/2024     SATPL Representative       Page No.     1.0f1 | 106(, 121w, 132b, 140t     T. R. Date     04/01/2025       M/a. VEDANTA LIMITED     VALUE ADDITION BUSINESS, AMIONA AND NAVELIM, BICHOLIM-GOA.       Ref. No. 4820074711 dated 06/12/2024       SATPL Representative     Page No. |

| Sampling Location               | Location-Navelim Village |  |
|---------------------------------|--------------------------|--|
| Duration of Sampling (Hrs.)     | 24                       |  |
| Average Ambient Temperature[9C] | 91.                      |  |
| Average Relative Humidity [%]   | 72                       |  |

ANALYSIS REPORT:

| 1                | Barran Bin             | Date of    |        |                  |       |       |                 | Porar          | neters |                               |      |       |       |        |
|------------------|------------------------|------------|--------|------------------|-------|-------|-----------------|----------------|--------|-------------------------------|------|-------|-------|--------|
| 1                | Report No.             | Sampling   | 254    | PM <sub>14</sub> | 30,   | : 90, | WH <sub>1</sub> | 50°            | - 79   | G <sub>4</sub> H <sub>2</sub> | AL.  | . 16  | 0,000 | 300    |
| 1                | 51/24-25/12/M444/01AAR | 07/12/2024 | 10.30  | 28.28            | 8.77  | 11.56 | 420.0           | 0.11           | -41.1  | <1.D                          | 0.0  | -11.0 | <23.8 | -0.2   |
| $ \mathbf{R} $   | 5L/24-25/12/MAA/40w    | 65/12/2024 | 53.12  | 27.03            | 11,07 | 10.10 | -0.00           | 5.13           | -03    | +0.0                          | -6.0 | -5.8  | -20.8 | : 46.2 |
| а.,              | 51/24-25/13/MAA/66A8   | 19/32/2024 | 50.67  | 24.53            | 7.28  | 33.40 | <20.0           | 0.325          | -0.1   | 41.0                          | 10.0 | -(5.8 | 435.0 | -0.2   |
| $\mathbf{F}_{i}$ | 51/24-25/12/MAA/72AJ   | 12/12/2024 | 45.65  | 22.87            | 8.46  | 12.70 | (36.0           | 0.35           | -0.5   | 95.0                          | -4.0 | -5.0  | X00.0 | - 49.2 |
| 5                | 01/24-25/12/MAA/80ea   | 16/12/2024 | \$1.07 | 25.37            | 11.42 | 35.60 | 400.0           | \$30           | - 41.1 | 43.8                          | -6.0 | <5.8  | 420.6 | 412    |
| 6                | 5L/24-25/12/MAA/106    | 15/12/2024 | 63.84  | 11.6             | 3.46  | 14.11 | 120.0           | 0.38           | -63    | 618                           | 0.0  | -5.0  | 420.0 | -0.1   |
| Τ.               | 51/24-25/12/MAA/121#   | 21/12/2024 | 49.27  | 22.46            | 3.02  | 15.87 | 400.0           | 0.37           | -61    | 41.0                          | 4.0  | -6.8  | 425.8 | -6.2   |
| н.               | 51/24-25/12/MAA/1325   | 26/12/2024 | 45.45  | 24.58            | 7.15  | 18.41 | -050            | 1.4.84         | 48.5   | 143.0                         | -0.0 | 45.0  | -30.5 | (10)   |
| я.               | 11/24-25/12/MAA/140f   | 30/12/2014 | 52.50  | 26.20            | 11.77 | 10.10 | 40.0            | 0.29           | 451    | 41.0                          | da   | 45.0  | 439.5 | 49.2   |
|                  | NAAQS Limita*          | 1001000000 | 100    | 60               | 80    | 80    | 400             | 4.5            | 1      | 51.5                          |      | 2.0   | 3.00  | .1.    |
|                  | Unita                  |            | agint  | ugine            | agint | up/m* | agint*          | - FR27<br>1947 | 40/101 | Here                          | 147  | 192   | Mg/m/ | agine  |

\*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.
\*\*\*Moonly Value

#### EQUIPMENTCAUBRATIONOETAILS

|   |   | and the second second | The second se | Calibration Det | A                    |
|---|---|-----------------------|---|-----------------|----------------------|
| 51.945  | Saugement Narra                                       | Kipalpreent (D        | Certificate No.   | Callievent Date | Calibration Due Date |
|   | Provi California: the DGM & Networker (Dry Gas Mener) | NATIN, WANTCOM        | PT00213   | 16/03/2029      | 10,00,000            |
| 10.7-00   | How Gallerator for DGWA forsement (Drug Warsh)        | Landon Action         | 1701221   | 16/11/2024      | 13,03,0325           |
| 111   | Top loading Driftee How Collinator                    | BATHUNIK/TLOC/22      | 1100111   | 14/95/1024      | LINO/MIN             |
| 0.19  | Digital Baroneshia, Pressara Indicator                | SATTUKA/BACS          | 0.0003.000  | 33/03/3024      | 13/00/2018           |
| 0.0009421   | FeedbushLaweedRightop.co.                             | 14771/A/8/440/18      | ASTW/3323-24/323-62   | 34/03/3624      | lajouraan.           |
| 200000000000000000000000000000000000000   | HEIS (PARLE)  | TARMUTARONARI         | WSPW(3113-24/305-07   | AND ALL AND A   | 18/03/2018           |
| 110000000000000000000000000000000000000   | Waterius Actualyment Sample                           | LATTUARYAANDI         | ws9wy1825-24/205-02   | 38/05/2024      | 1650/1025            |
| 11H17   | Digital Encirconic Indexer                            | 10/04/041             | ACL/ON/ON SIVEROTE  | 18/05/3094      | 10,01/08/3           |
| in the second | Ogital Spectrophotaneses Model                        | BLAIN/AR              |   | hrhease Calibra | 10.0                 |

For Shreeji Agua Treatment Pvt. Ltd.



Managing Director Authorized Signatory

Pane: Plot No. 8-24, H Block, Lei Topi Nager, Morewalf, MIDC, Pergel-Chirochwed, Maharohtta 411018. Leb: 164,Shreej Teroce Agr. Plot No. 53, Parna Nager, Chiltell, Paner 411019 Vededenic Plot No.1, Shah Ind. Perk-1, Vedodara-Sevil, Lendapura, 291775 Dist, Vedodia Casterer Care Net.: +919225347365 Essail: Info@shreejiaqua.com Shreeji Aguer Is offennes subject to improvement for botter casterer satisfaction, we welcome your freedback or pane, Jab@shreejiaqua.com

MUMBAI 
 PUNE 
 VADODARA



Warning Distant and Independent Code (

Accredited by NABL as per SEMEC 17025-2012

Centified by (50 9001/2015, 150 14601/2015 & 150 45501/2018

Recognized by Ministry of Invincement, Forest & Climate Change (MeEFCC), Gevt. of India, New Delhi

[[Shreeji]]

ENVIRONMENT = FOOD = ANIMAL FOOD & FEED = MICROBIOLOGY

24

30

70

#### Laboratory Recognized by Minterry of Environment, Forest & Climate Change, Gost. of India & NAM, Valid Up to L3/06/2025.

| Test Report No.            | 51/24-25/01/MAA/052, 24ad<br>1262.           | , 50n, 58wk, 746, 819, 981,          | 1028, T. R. Date  | 04/02/2025 |  |  |  |  |  |  |
|----------------------------|--|--------------------------------------|-------------------|------------|--|--|--|--|--|--|
| Customer Name and Address  | M/L VEDANTA LIMITED<br>VALUE ADDITION BUSINE | S5, AMONAANDNAVELI                   | IM, BICHOLIM-GOA. |            |  |  |  |  |  |  |
| Letter Rof/ Data.          | Ref. No. 4920075346 date                     | Ref. No. 4920075346 dated 09/01/2025 |                   |            |  |  |  |  |  |  |
| Sampling Done By           | SATPL Representative                         | Page No.                             | 10/1              |            |  |  |  |  |  |  |
| Month of Sampling          | JAMUARY- 2025                                |                                      |                   |            |  |  |  |  |  |  |
| SAMPLINGELETAILS - AMERICA | TAIRMONITORING: -                            |                                      |                   |            |  |  |  |  |  |  |
| Sampling Location          | Location                                     | Near Amona Village                   |                   |            |  |  |  |  |  |  |
|                            |  |                                      |                   |            |  |  |  |  |  |  |

### Duration of Sampling [Hrs.] Average Ambient Temperature[9C]

### Average Relative Humidity [%]

ANALYSISREPORT

|      | Report No.            | Date of    |        |                  |        |        |                 | Parja | nelors |            |       |      |       |       |
|------|-----------------------|------------|--------|------------------|--------|--------|-----------------|-------|--------|------------|-------|------|-------|-------|
| 'Ner | export rec.           | Sompling   | PM     | PM <sub>11</sub> | - 10,  | 100    | NH <sub>1</sub> | C0+++ | 75     | 1.44       | An    | W.   | 0,000 | 0(1)* |
| 1    | 11/24-25/01/MAA/052   | 02/01/2025 | 50.21  | 2453             | 9.77   | 11300  | -06.0           | 0.29  | -0.1   | 144.81     | 146.0 | 35.0 | -20.0 | 5.443 |
| л.   | \$1/24-25/03/MAA/246d | 06/01/2025 | 46.02  | 32.04            | 11.67  | 17.36  | <25.0           | 0.33  | -0.1   | 41.8       | 41.0  | 0.0  | 433.8 | -41   |
| - 1  | 5L/24-25/01/MAA/50n   | 09/01/2025 | 36.41  | 27.03            | 8.46   | 11/33  | <25.0           | .0.38 | -0.1   | 7418       | -14   | (5.0 | -30.5 | -41.1 |
|      | 31/24-25/01/MAA/58ak  | 13/01/2025 | \$3.63 | 15.70            | 10.02  | 12.55  | -220.0          | 0.41  | 0.1    | (1.0       | -0.1  | 0.0  | 420.2 | 100   |
| 5    | 51/24-25/01/MAA/74b   | 16/01/2025 | 51.28  | 34.95            | 11.07  | 15.58  | +20.0           | 0.25  | -0.5   | -114       | 0.21  | -5.0 | 100.8 | 1412  |
| 6    | 5L/24-35/01/MAA/81V   | 20/01/3025 | 56.28  | 29.21            | 111    | 18.45  | <25.0           | 0.11  | -0.3   | - (1.0 · · | -12   | 0.0  | -20.0 | . 423 |
| 2    | 31/24-25/01/644A2981  | 23/01/2023 | 47.38  | 34.53            | 12.34  | 12.85  | <20.0           | 8.44  | -63.5  | cia        | -45.8 | 16.0 | (20.1 | - 412 |
|      | 5L/24-25/01/MAA/1078  | 27/01/2025 | 59.67  | 38.28            | 14.04  | 54.88  | 436.0           | 2030  | -0.1   | -0.8°      | -12.0 | 6.0  | -058  | -0.2  |
| . 9  | SU/24-25/01/MAA/1262  | 30/01/2025 | 50.32  | 25.78            | 2.06   | 17.30  | <25.0           | 11.35 | -0.3   | 44.0       | -64   | 43.0 | -06.8 | - 413 |
|      | NAAQS Limits*         |            | 100    | 60               | 89     | 80     | 400             | 4     | 1      | -5         | 8     | 20   | 100   | 1     |
|      | Units                 |            | ag/w/  | 10/101           | 140/m² | agine. | Mplant          | ing/  | agine  | MARKE      |       | 10/  | name. | agter |

"N.A.A.Q.3.-National Ambient Air Quality Standards.

\*\*Annual arithmetic means of minimum 104 measurements in a year at particular site taken twice a week 26 hourly at uniform intervals.
\*\*\*Hoorly Value

### **EQUIPMENTCALIBRATIONDETARS**

| 100 CONTRA         | P CC anone  |                     | in the second               | Collaration Data      | A construction of the second           |
|--------------------|---|---------------------|-----------------------------|-----------------------|--|
| Sr. No.            | Egalgenerit Marine                                    | Disignari 10        | Certificate Ma.             | Calibrated Date       | Calibration Date Date                  |
| 23.1.09            | Pine Galileatur Ne (2004 & Asserverer (Gry Bac Meter) | DATHL/AMANC/DE      | FRANK                       | 96/04/2014            | (%/WAT/RUE                             |
| 25-1-00            | How Calibratar for ODM & Relevance (Hop Result)       | DATELYMANIC/DA      | P10.012                     | INVERTIDA.            | ······································ |
|                    | Tild tealing Orthus Take Cathentor                    | APR/AM/TUDIC/20     | PRODUCT                     | 16/00/2014            | 17/20/06/18                            |
| 1118               | Digital Neverantis Pressere Industrie                 | ACTIVITY AND STOLEN | Messaal                     | 16/05/2024            | 27/03/5025                             |
| Internation of the | ANNOUSTSAMPLES (PW2.5)                                | DATE NAVANCES       | APPA/1021-24/005-08         | 35/75/2014            | 2003/2021                              |
| 000011000          | NOS (PMO)[]   | SKITS,/MA/ARG/15    | anesylatic actus of         | 10/01/0314            | 10/03/2020                             |
| eleterration .     | Georges Attachment Semula                             | DATEL/MAYAAS/25     | 101944/2020-24/2020-04      | ENVATOR:              | HEALDERS                               |
| 19412              | Digital Decision Delevers                             | 0,/09090            | NO/OR/OF BOOM               | sidworan.             | IN TACASIN                             |
| 1.4.1              | <ul> <li>Trades transformer and the set</li> </ul>    |                     | states of the second second | and in the Wellbridge |  |



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director Authorized Signatory

——End of Test Report—
 Pune: Plot No. 8-34, H Block, Lal Topi Nager, Morewadi, MDC, Pimpri-Chinchwad, Maharashma 411018,
 Lalo: 164,Shreeji Terrace Apt, Plot No. 51, Piama Negat, Chikhail, Pune: 413019
 Wedestera: Plot No.1, Sheh Ind. Park-1, Vadodara-Sevil; Landapara, 391,775 Dist, Vadodara
 Customer Care No.3 +919225247365 Email: Info@shreejiaqua.com, Wate www.shreejiaqua.com

Shreej Again is always subject to improvement for better container collidiction, we welcome your feedback on pune, laborshreejjaque.com



Accordited by NAB, as per ISO/80, 17625-2017

Certified by ISD 9001/2015, ISO 14001/2015 & ISO 45381/2018

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

[[Shree]i]]

ENVIRONMENT 

 FOOD 

 ANIMAL FOOD & FEED 

 MICROBIOLOGY

 lateratory/Recognized by Ministry of Environment, Torant & Chrome Change, Garet, of India & MARL Valid Up to 13/04/2015.

| Test Report No.                    | 5L/24-25/01/MAA/<br>98N, 1077, 1288: | /05h, 34ał, 9 | 0p, 58am, 74d, 81X, | T. R. Data      | 64/02/3625 |  |
|------------------------------------|--------------------------------------|---------------|---------------------|-----------------|------------|--|
| Customer Name and Address          | M/s. VEDANTA I<br>VALUE ADDITIO      |               | S, AMONA AND NAV    | ELIM, BICHOLIM- | GOA.       |  |
| Letter Ref/Date.                   | Ref. No: 4920075                     | s 346 dated   | 09/01/2025          |                 |            |  |
| Sampling Done By                   | SATPL Represent                      | tative        | Page No.            | 10/1            |            |  |
| Mooth of Sampling                  | JANGARY: 2025                        |               | This set to be      |                 |            |  |
| AMPLING DETAILS - AMBIENT AJR MONT | IORUPAD: -                           |               |                     |                 |            |  |
| Sampling Location                  |                                      | Location-N    | lavelim Village     |                 |            |  |
| Duration of Sampling [Hrs.]        |                                      | 24            |                     |                 |            |  |
| Average Ambient Temperature[*C]    |                                      | 30            |                     |                 |            |  |
| Average Relative Humidity [31]     |                                      | 70            |                     |                 |            |  |

AMALYSIS REPORT:

| M   |                       | Oute of    |                            |                       |                            |                       |               | Para   | mittern        |        |  |      |       |                    |
|-----|-----------------------|------------|----------------------------|-----------------------|----------------------------|-----------------------|---------------|--------|----------------|--------|--|------|-------|--------------------|
| -   | Report No.            | Sampling   | :994                       | PM                    | 10,                        | RO,                   | 994           | CO.*** | 15             | 6/6    | - 66                                   | . 16 | 0,*** | 100                |
| - 1 | M/14-25/01/MAA/05b    | 02/01/2025 | 53.48                      | 26.29                 | 54.12                      | 34.88                 | 420.0         | 0.25   | -10.5          | 41.0   | -0.0                                   | 64   | <30.0 | -411               |
| 3.5 | 51/24-25/01/MAA/24af  | 06/01/2025 | 61.13                      | 39.94                 | 7.16                       | 19.79                 | <30.0         | 6.36   | -0.1           | -0.3   | -110                                   | 125  | 410.0 | 1413               |
| 1.1 | \$4/24-25/01/MAA/\$tp | 01/01/3025 | 56.35                      | 35.61                 | 11.07                      | 17.40                 | 430.0         | 0.77   | -49.5          | -0.4   | -3.0                                   | -3.4 | <20.2 | 412                |
| 1.1 | 52/24-25/01/MAA/Stam  | 13/01/2025 | 48.81                      | 34.53                 | 12.37                      | 15.52                 | 000           | 0.38   | +0.5           | (0.00) | 15.0                                   | -64  | -968  | - 49.2             |
|     | 51/24-25/01/MAA/74d   | 16/01/2025 | 58.02                      | 37.66                 | £46                        | 19,45                 | (20.0         | 0.45   | 48.5           | 41.8   | 45.0                                   | 45.5 | -202  | -44.8              |
|     | 51/24-25/01/MAA/82X   | 20/01/2025 | 65.11                      | 32.44                 | 10.42                      | 11.13                 | (00.0)        | 0.25   | +0.0           | -41.0  |  | -54  | -900  | - 43               |
| 1.  | 51/24-25/01/MAA/98N   | 23/01/2025 | 51.60                      | 15.37                 | 1.10                       | 18.95                 | (25.0         | 11.34  | 40.1           | 41.0   | -6.0                                   | 414  | -36.0 | - 413              |
|     | 53/24-25/01/MAA/1077  | 27/01/2025 | 59.50                      | 25.78                 | 8.13                       | 20.49                 | 0250          | 0.42   | -0.1           | 94.0   | 64                                     | -64  | 400   | 103                |
|     | 54/24-25/01/MAA/1266  | 30/01/3025 | 51.55                      | 37.03                 | 7.81                       | 17.36                 | (35.0         | 0.25   | -48.5          | -11.0  |  | -64  | 120.8 | 1.42.2             |
|     | NAAQ3 Umiti*          |            | 100                        | 60                    | 80                         | 80                    | 400           | 4      | 1              | 5      | 10                                     | 20   | 100   | 1                  |
|     | Units                 |            | intrin i                   | ang/on!               | palmi -                    | upher                 | HIGHTY        | reg/:  | pater          | unter: | 14                                     | 100  | 14 m  | -                  |
|     |                       |            | the property of the second | And the second second | Indiated at a second state | A REAL PROPERTY AND A | Anna Linearan |        | and the second |        | 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. |      |       | ALC: NOT THE OWNER |

"N.A.A.Q.S.-National Ambient Air Quality Standarth-

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

#### EQUIPMENTCAURRATIONDETAAS

|              |   |                  | and the second second | Colibration Det        | 4                    |
|--------------|---|------------------|-----------------------|------------------------|----------------------|
| Sr. Bu.      | Bankarinarit Nama   | Earlprivet II    | Cartificate No.       | Collbrated Date        | Talibration Day Date |
|              | Films: Californian for DGM & Robustness (Dructore Merice) | patrojan roju    | 97012.01              | 16/01/2004             | INTERNET             |
| 5-1-10       | Plan Calibratur for DOM & Rotamoner (Jana Wesh)           | UNINUMPRISU      | PRINTER .             | Hereita and            | 15/95/10151          |
| 1919         | Top leading Online New Californian                        | NTRUMPORTU       | 1911277               | 18/00/0004             | Linux and            |
| 1110         | Orginal Bankmenter, Pressure Indicator                    | Jameshanna       | MERTI                 | 18/93/3034             | Lintagon             |
| inderes      | Private and Planate and (PMI) (V)                         | BATH, KRYANDON   | 100407023-24/208-07   | 10/05/2014             | Antistanas           |
| madefiliati. | RES (PARL)  | SATPLIERY AND SP | 467647302104/316-07   | 10/00/2524             | 18/10/10/29          |
| Nesonalout.  | Galering Alberteinet, Sample                              | DATEURARYAASJID  | AN MATCHING AND AN    | 111/10/0004            | 10/10/10/20          |
| 15427        | Orgini Oschuric Belevin                                   | 14,75446,941     | ACCUMENCEM INTERNET   | 19/09/2004             | 100700.00079         |
| MA           | Digital Spectrophotometer Model                           | EL/UNIDA         | and the second second | Information California |                      |



For Shreeji Agua Treatment Pvt. Ltd.

SIM Managing Director Authorized Signatory

Flot Ma.B-34, H Block, Lal Topi Nagar, Moreweell, MIDC, Pengel-Chinchwad, Waharashtra 611016. Partie 184, Shrang Terrate Apt. Plot No. 53, Purna Nagar, Chikhuk, Pune: 411019 Later Wededers: Plot No.1, Shah Ind. Park 1, Vadodara-Savli; Lamdapura. 191 775 Dist. Vadodra Customer Care No.: +079725247355 Email: infogstreeplaque.com Web: www.shreeplaque.com

Shreep Adve is sheary subject to improvement for better customer satisfaction, we welcome your feedback on pune, labelshreejjaqua.com

### Shreeji

## SHREEJI AQUA TREATMENT PVT. LTD.

Accredited by NABL as per GOARC 170252017

Certified by ISO 9001-2013, ISO 14001-2013 & ISO 45001-2018

Recognized by Ministry of Environment, Forest & Climate Charge (MeEFCE), Geve. of India, New Gullei

ENVIRONMENT . FOOD ANIMAL FOOD & FEED MICROBIOLOGY

|                                     | egnical by Ministry of Enviro         | The second se | strategy with a subscription of the strategy with the subscription of the subscription | f lodia & River valid la | 6 J0 3 31,60% 300 50 |
|-------------------------------------|---------------------------------------|---|--|--------------------------|----------------------|
| Test Report No.                     | 5L/24-25/00/WIAA<br>1296, 196AD, 162/ |   | 219h; 246aaa, 295eo,   | T. R. Data               | 04/03/2025           |
| Customer Name and Address           | M/s. VEDANTA I<br>VALUE ADDITIO       |   | SS, AMONA AND NAV  | EUM, IICHOUM-            | GOA.                 |
| Letter Ref/Date.                    | Ref. No. 492007                       | 5788-date   | d 01/02/2025   |                          |                      |
| Sampling Done By                    | SATPL Represent                       | tative  | Page No.   | 1cf1                     |                      |
| Month of Sampling                   | FEBRUARY 2025                         |   |  | and the state of         |                      |
| AMPLING DETAILS - AMBIENT AIR MONIT | DBING: -                              |   |  |                          |                      |
| Sampling Location                   |                                       | Location-   | Navelim Village  |                          |                      |
| Duration of Sampling [Hrs.]         |                                       | 24  | and the second second  |                          |                      |

| Average Ambiest Tomperature[PC] | 顶  |
|---------------------------------|----|
| Average Relative Humidity [%]   | 68 |
| ANALYSIS REPORT                 |    |

| -    | Balances Bro. 1        | Date of    |        |                   |       |         |          | Para          | (etirs) |       |            |            |         |       |
|------|------------------------|------------|--------|-------------------|-------|---------|----------|---------------|---------|-------|------------|------------|---------|-------|
|      | Beport No.             | Sampling   | 294.0  | $1.19M_{\odot} =$ | 10,   | HO      | 104,     | 00***         | 64      | 695   | C AD       | 197        | 0,***   | 800   |
| 1.   | 14,/3#-25/02/MAA/112   | 03/03/2025 | 48.37  | 74.95             | 10.42 | 13.11   | (23.1    | 0.37          | =0.1    | -44   | 6.0        | -65        | -70.0   | 00.7  |
| 1.45 | 51/24-25/02/MAA/146a   | 06/02/2025 | 53.64  | 26.20             | 10.07 | 18.06   | -(26.0)  | 0.31          | =0.1    | -14-  | <5.0       | 15.0       | -0218:  | -0.2  |
| -    | 51/34-25/02/MAA/2596   | 10/03/2025 | 58,34  | 24.51             | 1.01  | 34.53   | 433.0    | 0.41          | +0.1    | 4.6   | -6.0       | 1.0        | 0.005   | -48.2 |
| 1.   | 51/34-25/02/MAA/246aaa | 13/02/2025 | 90.70  | 37,86             | 1.77  | 15.25   | <22.0    | 0.05          | =0.1    | 43/6  | -6.0       | 4.0        | <010    | -0.2  |
| 1    | 51/34-25/02/MAA/295uo  | 17/01/2025 | \$6.12 | 25.37             | 11.89 | 13.85   | -435.8   | 0.39          | +0.3    | 41.0  | -6.0       | 4.5        | -00.0   | -41.1 |
| . 6  | 51/34-25/02/MAA/3296   | 20/02/2025 | 60.06  | 38.69             | ¥.12  | \$7.39  | (33.0    | 9.28          | =0,1    | (0.8) | -63.0      | 450        | -000-0  | +0.2  |
| 1    | 54/24-25/02/MAA/356AD  | 34/02/2025 | \$5.19 | 24.52             | 11.72 | 12.47   | - (23.1) | 8.30          | +0.1    | 41.0  | 6.0        | 4.5        | -00.0   | 41.7  |
| 1.0  | 51/34-25/02/MAA/963A8  | 27/02/2025 | 48.60  | 24.29             | 8.46  | 15.52   |          | 0.38          |         | 1000  | -58        | 140        | -000-5  | -0.7  |
|      | BAAQS Umita*           |            | 100    | 60                | 10    | 10      | 400      | 4             | 1       | 18    |            | 20         | 100     | 1     |
|      | Units                  |            | (glas) | HEIM              | Helm  | 199/002 | hilfore  | 796/ .<br>.97 | 110/100 | 1400  | 14)<br>101 | 44/<br>101 | (agreet | ng/w  |

\*N.A.A.D.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

| br.tun         | Xautament frame                                      | ligitarient 0      | Carefricate No.       | Contraction Detail      |                      |
|----------------|--|--------------------|-----------------------|-------------------------|----------------------|
|                |  |                    |                       | Collocated Date         | Calibration Due Date |
| sen.           | Firm Collinator for DOM & Returneter (Dry-See Meter) | NATES/WW/PC218     | reanal.               | 14/01/2014              | 15/00/2018           |
| 1.6.0-00       | Flow Calibratur for DGM-& Butanoter (Kop Wale)       | MATHURARYCEIN      | mariti                | 34/03/2504              | 10/00/0019           |
| 1216           | The Insuling Online Flow Californian                 | M795,04497102,013  | v-suis?               | paroidana ·             | 11/19/00/1           |
| 110            | Digital Areasestric Pressure Industry                | pirmi, niki yanyim | Million.              | AN/REISER               | CIMMANN .            |
| 10009101       | Prospective and the product                          | MTTS/MR/MASISE     | AMAM DED DATION OF    | 101/03/2020             | 18/14/1018           |
| NHACTING       | H25 (PMD35   | LATE, ANYWOOD      | 10/00/2018 20/205-07  | INDIGUDI .              | DOM:NOT              |
| 100 K077810(2) | Barrook Mtachinett Sangle                            | DATELIARYAALCO     | 49/44/1639 24/1005-01 | 10.0112014              | 18/20020038          |
| 35427          | Digital Decisionic Balance.                          | SADADAD            | ACS/458/USA SO/280012 | 39/08/3014              | UR/01/2008           |
|                | Digital Spectruphersonieter Muder                    | 11.5.55754         |                       | Information Californian |                      |

For Shreeji Aqua Treatment Pvi. Ltd.



SIM Managing Director

Authorized Signatory

-End of Test Report-

Pene Plot No. 8-34. H Block, Lif Topi Nagar, Moreward, MIDC, Pimpri-Chinchward, Mahatashtra 41 1018. 164.5hreeji Terrace Apt. Plot No. 51. Parna Nagar, Chikhali, Pune: 411019 Labr Vadodiane Plot No.1, Sheh Ind. Paris 1, Vadodara Savil, Lamdapura. 3V1 775 Dist. Vadodra Customer Care No.: +919225247365 Email: info@shreejaqua.com Web: www.shreejaqua.com Shreej/ Agua is always subject to improvement for better customer satisfaction, we welcome your feedback on purse, takes shreejiagua.com

MUMILAI PUNE VADODARA



# || Shreeji ||

### SHREEJI AQUA TREATMENT PVT. LTD.

According by NAM, as permitting, 17035-2017 Camilied by NAT WATCHING, ISO 14061-2015 & ISO 45561-2018

Receptional by Ministry of Emissionment, Forest & Climate Change (MedFCC), Gevt. of India, New Bellin

ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

#### Lateratory Recognized by Ministry of Environment, Forest & Climato Change, Gent. of India & NAU, Valid Up to 11/10/2010.

| Test Report No.                 | SU/24-25/02/MA/              | VER MAR     | 219s, 346ar, 299an, 329a,   | T. B. Date     | 04/03/2025 |
|---------------------------------|------------------------------|-------------|-----------------------------|----------------|------------|
| тед кероп жо.                   | DISAC, DEDAA,                | and cross   | i consector a l'honvitra se | TCHC-QUILE     | 000372075  |
| Customer Name and Address       | M/s. VEDANTA<br>VALUE ADDITI |             | SS, AMONAANDNAVEL           | IM, BICHOLIM-6 | OA.        |
| Letter Ref/ Date.               | Ref. No. 49200               | 175788 date | d 01/02/2025                |                |            |
| Sampling Done By                | SATPL Represe                | intative    | Page No.                    | 1of1           |            |
| Month of Sampling               | FEBRUARY, 202                | 5           | the second second           | 10,000         |            |
| SAMPLINGDETAILS - AMBIE         | VTAILMONIEORING: -           |             |                             |                |            |
| Sampling Location               |                              | Incation    | Near Amona Village          |                |            |
| Duration of Sampling (Hits.)    |                              | 24          |                             |                |            |
| Average Ambient Temperature[4C] |                              | 30          |                             |                |            |
| Average Relative Humidity [%]   |                              | 68          |                             |                |            |

ANALYSISREPORT>

| je. | and the second se | Date of     |        |           |          |       |          | Parat           | seten  |        |          |             |             |        |
|-----|---|-------------|--------|-----------|----------|-------|----------|-----------------|--------|--------|----------|-------------|-------------|--------|
| No. | Report No.  | Sampling    | 2002   | PM        | 10,      | 80,   | 3067     | 002444          | 19     | 6,05   | Air      | 194         | $[0]^{***}$ | 0.00   |
| ×.  | 51/74-25/02/MAA/33Y   | 103/02/2025 | 54,63  | 37.00     | 11.11    | DUS   | Q8.8     | 0.33            | (0.1   | 101    | - 6.0    | (54)        | 1004        | 1.012  |
| 2   | SU/24-35/02/MAA/SA02  | 06/02/2025  | 49.30  | 25.70     | 3.13     | 1313  | 30.0     | 0.30            | (0.1   | 42.0   | -64      | 6.8         | -00.0       | - 41   |
| 3   | SL/24-35/02/MAA/219a  | 10/03/2025  | 51.36  | 25.37     | \$9.47   | 1749  | <20.0    | - 6.33          | =0.5   | -12.0  | - 194    | -34         | -30.0       |        |
| 4.  | 9J/24-25/00/MAA/240at   | 13/03/2025  | 5672   | 17.86     | 1.11     | 1204  | 430.0    | 11.311          | -0.1   | 144    | -94      | 41          | 410.0       | 1413   |
| 5   | \$1/24-25/02/MAA/298an  | 17/02/2023  | 48.75  | 35.70     | 13.02    | 5433  | <30.0    | 0.37            |        | ALL    | -41      | 0.0         | +20.8       | 413    |
| 6   | SL/24-25/02/5A4A/329a   | 30/02/2025  | 35-13  | 27.03     | 41.73    | 18.0  | -35.0    | 0.94            | -0.5   | 41.1   | 15.5     | 454         | 40.0        | . 43   |
| 2   | 3U/24-25/02/MAA/356AC   | 24/02/2025  | 44.22  | 32.46     | \$77     | 20.14 | <30.0    | 0.29            | 48.5   | 4.1    | -68      | 46.4        | 40.8        | 1.00   |
| 1   | \$L/24-31/02/MAA/362AA  | 27/02/2025  | \$8.40 | 39.52     | 8.46     | 38.45 | <30.0    | 6.44            |        | +1.8   | -9.5     | :54         | -00.0       | 0.01   |
|     | NAAQ5 Linvits*  |             | 100    | 60        | 80       | 80    | 400      | 4               | 1      | .5     | <u>6</u> | 30          | 100         | 1      |
|     | Units   |             | 10/10/ | ( signet) | Harter . | WWW ? | ingfort. | mg <sup>1</sup> | agost. | 14,000 | 100      | 194/<br>194 | sign?       | 'agint |

"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 26 hourty at uniform intervals.
\*\*\*Hourty Value

#### EQUIPMENTCALIBRATIONDETANA

|             |  |                    |                      | Californice Data | 1                   |
|-------------|--|--------------------|----------------------|------------------|---------------------|
| BC.700.     | Eastprove Name                                       | Equipment IS       | Carifford No.        | Calibrated State | Gelbration Due Data |
| 1.1.41      | Pow Calibrator for DOM & Retainator (Dry Gas Mitter) | LOTION OF COMPANY  | 100021               | 1000/000         | 31/03/301           |
| 19-1-09     | Prov California for DOV & Reference Data Match       | INTROMETERS        | (7)/8112             | 14/10/2034       | +16/M/0318          |
| 1218        | Tiss leading Online Pare Calibrator                  | WHICH WARTNESS 22  | *******              | LA/DA/JED4       | 27/03/2028          |
| 11.18       | Egital Belanytis Pressie Industa:                    | 0.01113.0010101016 | MINUTE.              | 14/03/21/24      | ENVERONE            |
| maninini    | Ferritry Ethanies, Eth (Politis)                     | KTPC/ARCAR/US      | 00040003-047266-09   | 19/09/06/4       | HM00/JULF           |
| resentants) | 100 (PMID)   | SATTI / MANJARS/15 | AMPARTON DATUM- INF  | THENKIPPA        | 28/23/2027          |
| eneritiete  | General Handbrook Socials                            | LATIN (AUMOARD) S  | ANNALISIS 14/200-DB  | 1903/449         | 10/08/08/           |
| mail        | Tigtal Decrease falance                              | 11/1/14/6/11       | ACQUIRTERON INCOMERT | 110105/000+      | 16/06/5023          |
|             | Earth Los tractationers Madel                        | automa .           |                      | Alforda Calibrat | 148-                |



For Shreeji Aqua Treatmont Pvt. Ltd.

Managing Director

Authorized Signatory

-End of Test Report-

Paner Plot No. 5-24, H Block, Let Topi Nagar, Honewadi, MJDC, Pimpel Chinchwad, Naharashtis 451018. Lalu, 16A,Shiweji Terrace Apt, Plot No. 53, Punsa Nagar, Chikhaš, Pune, 411019 Vadeelarat Plot No.1, Shah Ind, Pane 1, Vadeelara Savli, Lansdapura, 301 775 Dist, Vadeelara Casterner Care No.2 +919225247365 Email: info@shrwejiagua.com Web: www.shrwejiagua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we we/come your feedback on pone, Jub@shrunjiaqua.com



## Shreeji

### SHREEJI AQUA TREATMENT PVT. LTD.

Accessibility MARL as per INCARC 17025-3017

Centiles/by/SD 9301.2015.15D 14001.2015 & SO 45001.2015

Bacognized by Ministry of Environment, Forest & Climate Charge (MedFCC), Govt. of Initia, New Culls)

ENVIRONMENT . FOOD . ANIMAL FOOD & FEED . MICROBIOLOGY.

| Laboratory Rec                     | agained by Ministry of East | rooment, Fores | 1 & Clesata Ovarge, Govt.          | of India & WARL Yeld U | p to 11/06/2026. |  |  |  |
|------------------------------------|-----------------------------|----------------|------------------------------------|------------------------|------------------|--|--|--|
| Test Report No.                    | \$1/24-25/08/M              |                | 39ar, 535, 96j, 119 <sub>2</sub> , | T. R. Oste             | 05/04/2025       |  |  |  |
| Customer Name and Address          | M/s. VEDANT<br>VALUE ADDIT  |                | IS, AMONA AND NAV                  | VELIM, BICHOUIM-       | GOA.             |  |  |  |
| Letter Ref/Date.                   | .Ref. No. 49206             | 176532 date    | 1 08/03/2025                       |                        |                  |  |  |  |
| Sampling Done By                   | SATPL Represe               | entative       | Page No.                           | 1011                   |                  |  |  |  |
| Month of Sampling                  | MARD1-2025                  |                |                                    |                        |                  |  |  |  |
| IMPLING DETAILS - AMBIENT AIR MONT | KORINGI +                   | stream and     | Contraction of the second          |                        |                  |  |  |  |
| Sampling Location                  |                             | Location       | Navelim Village                    |                        |                  |  |  |  |
| Duration of Sampling (Hrs.)        |                             | 24             |                                    |                        |                  |  |  |  |
| verage Ambient Temperature(*C)     |                             | 33             |                                    |                        |                  |  |  |  |
| Average Relative Humidity [%]      | erage Relative Humidity [%] |                |                                    | 68                     |                  |  |  |  |
|                                    |                             |                |                                    |                        |                  |  |  |  |

ANALYSIS REPORT

|     | Report No.            | Date of    | Parameters      |        |       |         |          |             |         |        |      |      |        |        |
|-----|-----------------------|------------|-----------------|--------|-------|---------|----------|-------------|---------|--------|------|------|--------|--------|
| ¥n. | substate and          | Sampling   | PM <sub>a</sub> | PM     | 50,   | 80,     | 344,     | 00***       | Ph      | GH.    | 44   | - 14 | 0,***  | 1000   |
| 1   | 51/34-25/03/MAA/0946  | 03/03/2025 | 35.32           | 27.00  | 13.37 | 15.07   | - GLUE   | 0.31        | -0.01   | -0.1   | (10) | -103 | (30.0  | -001   |
| 10  | 51/24-25/03/MAA/15w   | 06/00/2025 | 64.96           | 31.19  | -7.01 | 0.19    | <14.00   | 0.38        | -0.01   | -41.1  | +1.0 | +0.1 | 485.0  | -0.1   |
| 1   | 51/24-25/03/MAA/39ar  | 10/03/2025 | \$3,83          | 12,46  | 33.67 | 12.33   | ~34.08   | 0.78        | - 10.09 | -0.1   |      | 40.5 | <20.0  |        |
| •   | 51/24-25/03/MAA/53h   | 13/03/2025 | 56.38           | 25.70  | 11.07 | 15.17   | <14.88   | 0.36        | -40-00  | -0.1   | 0.19 | -0.1 | <20.0  | (0.1   |
| Υ.  | 51/24-25/03/MAA/96    | 17/08/2025 | 52.34           | 24.12  | 9.33  | 18,24   | +34.08   | 0.33        | -91:04  | +0.1   | -1.0 | -0.3 | 436.0  |        |
| 枹   | 50/24-25/03/00AA/119y | 20/08/2025 | \$8.16          | 27.45  | 11.01 | 16.65   | +14.88   | 0.29        | -0.02   | -0.1   | +1.0 | 40.5 | <29.0  | -0,1   |
| 7   | 51/24-25/03/MAA/129   | 24/08/2025 | 52,23           | 25.37  | 30.42 | 12.00   | <34.08   | 0.35        |         | -0.1   |      | 404  | -068   | - 40.3 |
| 1   | 5U/24-25/03/MAA/1376  | 27/03/2025 | 44.32           | 22.04  | 11.77 | 18.77   | +14.08   | 0.39        |         | -41    | -1.0 | 01   | GR.0   | -0.1   |
| ۲., | 51/24-25/03/MAA/174   | 31/03/2025 | 57.32           | 28.28  | 1.46  | 10,10   | +34.08   | 0.94        | 0.03    | -0.1   | +1.0 | 42.5 | <30.0  | <0.1   |
|     | AAAQS Limits*         |            | 100             | 60     | 80    | 80      | 400      | 4           | 1       | -3     |      | 20   | 180    | 1      |
|     | Units                 |            | HE WE           | 10/107 | warm? | 141/101 | augreen. | 1942<br>141 | HENT    | water: | 1007 | 100  | ug/wr. | name   |

\*H.A.A.Q.S.-National Ambient Air Quality Standards.

\*\*Annual artificineans of minimum104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals. 
\*\*\*Hourly Value

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

Page 1 of 2

For Shreeji Aqua Treatment Pvt. Ltd.



Managing Director Authorized Signatory

Pane: Par No. 9-34, H Binds, Lal Topi Nagar, Moreweld, MDC, Pimpri-Orienthwait, Mahasabira 411618. Lala: 164:Streed Terrator Apr. Plot No. 55. Purns Nagar, Chikhali, Punc; 411019 Vadudare: Plot No. 1, Sheh Ind. Park 1, Vedodare-Sevil, Landoport. 391 775 Dist. Vadodia Centamer Care No.: +919225347365 Email: Info@threejiaqua.com: Wellic www.shreejiaqua.com Shreey: Hur II offenge subject to Improvement Apr. Heriter customer settle?network, we welcome your feedback on purse. Jab@shreejiaqua.com

#### || Shreeji ||



### SHREEJI AQUA TREATMENT PVT. LTD.

Accretited by NARL as per 150/4EC 17025/2017 Cemteril By 500 9901-2015, ISD 14001-2011 & ISO 45091-2016 Recognized by Ministry of Environment, Forest & Climate Change (NoEFCC), Govt. of India, New Delhi

ENVIRONMENT . FOOD . ANIMAL FOOD & FEED . MICROBIOLOGY

#### **EQUIPMENTCALIERATIONDETAILS**

|                |                                   |                       |                        | Callinston De   | sall                 |
|----------------|-----------------------------------|-----------------------|------------------------|-----------------|----------------------|
| 51.80          | Equipment Name                    | Equipment (I)         | Centrituate No.        | Cellorated Bate | Calibration Due Date |
| 10101010       | TINE DUDT SAMPLER (PM2.3)         | \$475,/A#/M6/20       | winwyates-astan-as     | 194704/2028     | 18/09/2015           |
| 1131130        | Fine Particulare Georgen          | EXTRUMATES-DU/WHODAM  | ALLERIAN               | 08.018.0035     | 17.03.2008           |
| 1121           | ROA (PALL)                        | SATELINIR WAS/20      | ARM/DOCOMPHI           | 10700/2024      | 28/03/2018           |
| 11991 19-07    | Respirative Sout, Sample          | NAMA BELID-DURAL MARK | 25411ML/M              | 18.33.3725      | 27/01/2026           |
| 0644)1021      | Georges Attachment Sample         | SKTPL/ARVAS/30        | A0FMA/3023-34/3253-88  | 10/05/2018      | 18/19/2015           |
| 113-096-2013   | Generalize Attactorient Sample    | SATHLARROSXI-/86/ 05A | 25031301/14            | URATION AND A   | 17.01.3005           |
| 1963           | Digital Dentrovia Balance         | IL/WINHL              | ACLIFASSION SAPLESOD   | 10/00/2010      | Jahru 2015           |
| 0002010276     | Digital Decloreck Balance         | SATTO, WICHOUTS       | PSC/2503/5801/005      | 15.03.2025      | 14.08.3026           |
|                | Digitel Southraphattaneeter Mudel | IL/UV/MA              | 1.546                  | Informe Calibra | fam.                 |
| W. Contraction | Digital Spectrophotomatar Model   | NATEL/WORK (30        |                        | W-Norme Califie | ethet                |
| The results    | relate to sample tested.          |                       | Contractor and March 1 | Page 2 of 2     |                      |



---End of Test Report-

For Shreeji Aqua Treatment Pvt. Ltd.

SIM **Managing Director** Authorized Signatory

Flot No. B 34, H Block, Lai Topi Ragar, Minewadi, MIDC, Pimpri-Chinchwed, Maharashtra 411018. Punei Labe 184, Storen Terrora Apt. Piot No. 53, Parna Nagar, Chikhal, Parne 413019 Vedodare: Pint No.1, Shah Ind. Park-1, Vadodare Savil, Landapara: 391 775 Diz, Vedodo Customer Care Neu + 019225247310 Email: Infodobrevjtagus.com Web: www.shreefiagus.com Shergy and a dways subject to improvement for water conterner solisfaction, we welcome your feedback on pone laborhous lague com





According by NAR, as per ISCHEC 17823.2017

Certified by ISO 4001 2015, ISO 14001 2015 & ISO 45001 2018

Recognized by Ministry of Environment, Forest & Climate Charge (MuLFCC), Gave, of India, New Delhi

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#### Laboratory Recognized by Ministry of Sovienment, Parent & Climate Change, Gost, of Judia & MABI, Valid Up to 13/16/1016.

| Test Report No.   | 51/24-25/03/6<br>1298, 1378, 17 |  | 30ap, SH, 96b, 119w, | T. R. Date | 05/04/2025 |   |
|---|---------------------------------|--|----------------------|------------|------------|---|
| Customer Name and Address                                 | 1. Water Constraints            | M/s. VEDANTA LIMITED<br>VALUE ADDITION BUSINESS, AMONAANDNAVELIM, BICHOLIM-GOA |                      |            |            |   |
| Letter Ref/ Date.   | Ref. No. 4920                   | 026532 date  | rd 08/03/2025        |            |            |   |
| Sampling Done By  | SATPL Repres                    | entative   | Page No.             | 1011       |            |   |
| Month of Sampling   | MARCH - 2025                    |  |                      |            |            |   |
| SAMPLINGDETAILS - AMIRES                                  | TAIRMONITORING: -               | ee E   |                      |            |            | _ |
| Sampling Location   |                                 | Location-  | Nuar Amona Village   |            |            |   |
| Ouration of Sampling [Hrs.]                               |                                 | 24   |                      |            |            |   |
| Average Ambient Temperature[%C]                           | 0 DA 8                          | 33   |                      |            |            |   |
| Average Relative Humidity [%]                             |                                 | 68   |                      |            |            |   |
| A NOT A TANK OF AN AD |                                 |  |                      |            |            | _ |

#### ANALYSISREPORT-

| 2                 | Concerns of           | Date of    |        |          |       |         |          | Parat            | writers. |                    |                |          |       |        |
|-------------------|-----------------------|------------|--------|----------|-------|---------|----------|------------------|----------|--------------------|----------------|----------|-------|--------|
| As:               | Report No.            | Sampling   | PM     | PM       | 50,   | 80,     | NH,      | 00***            | 10       | ÇA,                | A4             | N        | 0,*** | - POAP |
| 1                 | 51/24-25/03/MAA/001   | 03/03/2025 | 62.20  | 29.52    | 8.77  | 14.18   | <14.00   | 1.36             | -40.01   | -61                | -4.8           | +6.5     | 429.8 | 45.1   |
| 3.                | 51/24-25/03/MAA/15u   | 06/03/2025 | 56,12  | 27.03    | 12.17 | 12.04   | (10.00   |                  | +0.01    | -0.1               | +1.0           | 45.      | 439.0 |        |
| 3                 | SL/24-35/03/MAA/39ap  | 10/03/2025 | 58.30  | 30.77    | 7.81  | 15.33   |          | 1.39             | 40.01    | -6.1               | *1.8           | -45      | s20.8 | -0.1   |
| 1                 | 51/24-25703/MAA/\$3F  | 13/01/2025 | .63.04 | 19.53    | 41.67 | 18.0    | <04.08   | 0.37             | -0.01    | .43                | -44.8          | -45      | 420.0 | -0.1   |
| 5                 | 91/24-25/03/MAA/96h   | 17/09/2025 | 55.06  | 25.57    | 8.11  | 29.55   | <14.00   | 1.31             | «D.01.   | -0.1               | +1.0           | - (0.5.) | <23.0 | 60.1   |
| 6                 | 51/24-25/03/WAA/119w  | 20/03/2025 | 60.16  | 20.28    | 11.67 | 1118    | <\$4.08  | 8.28             | -0.01    | -9.1               | 43.8           | -6.5     | <22.0 | - 49,4 |
| $\mathcal{T}_{i}$ | SL/24-25/03/MAA/1298  | 24/03/2025 | 51.17  | 23.29    | 30.42 | 34.86   | <04.08   | 0.25             | +0.01    | -10-1              | +1.0           | -05      | 00.0  | - 40,1 |
| 10                | 51/24-25/08/MAAA/137n | 27/03/3025 | 54.61  | 26.61    | 11.73 | 13-29   |          | 0.36             | <0.01    | -41.               | 41.0           | 45.      | <20.0 | 58.1   |
| 3                 | 1L/24-25/03/MAA/172   | 31/03/3025 | 60.42  | 28.28    | 8.46  | 19.05   | <24.08   | 0.37             | -0001    | -48.1              | 10.0           | 165      | ×20.8 | 6.5    |
|                   | NAADS Units*          |            | 100    | 60       | 88    | 80      | 400      | 4                | 1        | 5                  | 0.             | 20       | 100   | 1      |
|                   | Units                 |            | agrie! | sig/rel- | MR    | Jug/min | jug/mit. | - 1982<br>- 1997 | ng/m/    | jag/m <sup>2</sup> | - 1985<br>1997 | 14       | úg/w/ | ight   |

\*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 hourty at uniform intervals.
\*\*\*Hourly Value

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

Page 1 of2



For Shreeji Aqua Treatment Pvt. Ltd.

SJM Managing Director Authorized Signatory

Paren: Plut Mu. B-24, H Black, Lal Tupi Nagar, Murewerd, MDC, Pempel-Oxienchward, Mahasashita 671018. Lake: 164.58/veej:Temace Apt. Plot No. 51. Puma Nagar, Chikhali, Pune: 411019 Vadodara: Plot No.1, Sheh Ind, Park 1, Vadodara-Sevil, Lamdapura: 391.775 Dist. Vadodaa Centumer Care No.: +919225267365 Establishinely/veejaqua.com: Web: www.shemjiqqua.com

Shreep - an in always subject to improvement for writter customer settification, we welcome your feedback on purse, lake shree jiagas com

|| Shreeji ||



#### SHREEJI AQUA TREATMENT PVT. LTD.

in Environmental Solutions Under One Hand Accredited by NAIL as per ISO/IEC 17025-2017 Certified by 520 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

EQUIPMENTCALIERATIONDETAILS

|                       | a sea a local and a local and a | and the second second     | Sector Barriero            | Californitum Data | ł                    |
|-----------------------|---------------------------------|---------------------------|----------------------------|-------------------|----------------------|
| Sr.No.                | Lauigment Name                  | Kipiprivel ID             | Certificate No.            | Calibrated Date   | Calibratian Dve Date |
| iosanmeres.           | PINERATISAMPLET (PINELT)        | NATES/WAYAAD/25           | AMM/3023-04/205-09         | 10/00/2024        | 16/02/3025           |
| 000000                | Two Perticulate Sensiter        | WITH/WHYTH DU/HIS/DOM     | esentant/res               | 34.00.0025        | 17.05.202            |
| 000000000             | HOL (PAULE)                     | 6ATTP://WAYAAO/25         | ANF MY 1025 24/305-00      | 15/03/2014        | 88/08/2028           |
| 117901-18-07-01001    | Reservable Dunt Samate          | SATEGAR/MOS CLIER / VEA   | Inter 111,04               | 38.85.2029        | 17.09.2028           |
| and the second second | General Atlactorers Sample      | SATPU/AN/AAU/25           | A 5PM (2025 34/205 09      | 28/03/2214        | iarta/aus            |
| 445-010-2003          | Generate Attackment Sample      | SATPL/AR/RES (32-786/ GAA | 25851305/14                | 10.00.000         | 07.09.2028           |
| 10637                 | Digital Occurrin Balance        | IL/IMANI                  | ADDATE MOUTH AND ADDATE    | PW01/0124         | 18/08/2025           |
| 0307534576            | Digital Dischartic Balance      | SATYL/WT/WL/IB            | Psc/ises/Det/2005          | 75.07.77.75       | 14.08.3128           |
| W                     | Digital Spectrophotometer Madel | 8,65094                   |                            | White Califying   | MI CONTRACTOR        |
| 12                    | Elgilai Ipertropholometer Mudel | BATEL/WT/DIV /BIL         |                            | in-fempe Colleral | Net .                |
| The results reli      | ite to sample tested.           |                           | 1 Hereit wer seiner ersten | Page 2 cf2        |                      |



End of Test Report-

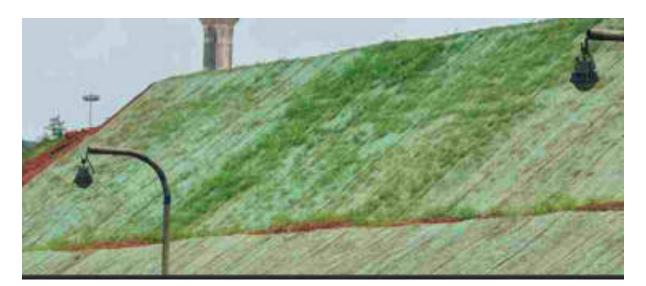
For Shreeji Agua Treatment Pvt. Ltd.

SIM Managing Director Authorized Signatory

Patiet FICENIO 7-34, H Block, Lai Topi Ragar, Morewadi, MIDC, Prepri Chinchwad, Maharashtna 411018. 184, Shreeji Terrace Apt. Plot No. 53, Furna Nagar, Chibhail, Pune: 411019 Lahc Vadodaru Piot No.1, Shah Ind. Farin 1, Vadodaru Savili, Lamdapura: 391 775 Dist. Vadodni Castamer Cate Na. (#1922524738) Email: infogstranjiagua.com Web: www.stranjiagua.com Sheen/ ----- in always subject to improvement for wetter customer suttafaction, we welcome your leadback on purse, lab@shreejiaque.com

## <u>Annexure III</u> <u>Dumps covered with geotextile and Pre and post monsoon ground water</u> <u>monitoring reports</u>

# Dumps covered with geotextile







#### ||Shreeji ||



SHREEJI AQUA TREATMENT PVT. LTD.

Removal and Dissinguisming of Selations (Webs Dee No

Putte : 31A, Streeji Complex, Nehru Napar, Pimpin, Pune: 411 018

Vadodara : Plot No.1, Shah Ind. Park 1, Vadodara Savil, Landapan, 391 775 Dist. Vadodara

Leb : 184, Sheerji Terrace Apt. Plat No. 53, Purna Nagar, Chikhali, Purne 411019

Customer Care No.: +919225247365

Web : www.shraujaqua.com . Email Modelewijatascom

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

|                           |              |  | TEST REPORT  |           |   |  |  |  |  |  |  |
|---------------------------|--------------|--|--|-----------|---|--|--|--|--|--|--|
| Sample / Report No.       | SL/24-25/    | 05/MFW/1350  |  | _         |   | 20/05/202  |  |  |  |  |  |
| Name of Customer          | M/s. VEDA    | NTA LIMITED (PIG   | RON PLANT]   |           |   |  |  |  |  |  |  |
| Address of Customer       | SURVEY NO    | IVEY NO.30(PART)43,42/1,27(PART) AMONA, P.O.MARCELA, BICHOLIM GOA. |  |           |   |  |  |  |  |  |  |
| Order / Reference         |              | Dated 15/05/2024   |  |           |   |  |  |  |  |  |  |
| Sample declaration as pro | vided by cus | tomer :  |  |           |   |  |  |  |  |  |  |
| Nature of Sample          | Novelim - 3  | ianjay Naik Weil W   | ater   |           |   |  |  |  |  |  |  |
| Batch No.                 | NA           |  |  |           | 1.1.1   |  |  |  |  |  |  |
| Sample Drawn by           | SATPL Repr   | esentative on 15/0   | 6/2024   | Sample R  | aceived On  | 16/05/2024   |  |  |  |  |  |
| Start of Analysis         | 15/05/202    | and the second second  | 31.5anH.   | End of Ar | alysis  | 20/05/2024   |  |  |  |  |  |
| Sample Container          | Plastic Car  |  |  | Sample C  | buantity  | 2111   |  |  |  |  |  |
| Sampling Procedure        | 15.3025 (Pa  | rt 1} & IS1622   |  | -         |   | telus  |  |  |  |  |  |
| Limits                    | As Per IS-10 | 500/2012 Standard  | li I   | -         |   |  |  |  |  |  |  |
| Parameters                | Results      | pert   | tion Range as<br>S 10500 / 2012                            | Unit      | Method  |  |  |  |  |  |  |
|                           |              | Requirement<br>Acceptable<br>Limit                                 | Permissible Limit in<br>the Absence of<br>Alternate Source | -         |   |  |  |  |  |  |  |
| chemical Testing          | 1            |  |  |           | 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |  |  |  |  |  |  |
| Colour                    | <1.0         | 5.0 Max.   | 15,0 Max.  | Hazen     | 15.3  | 025 (Part 4): 1983 8 2021  |  |  |  |  |  |
| furbidity                 | 0.21         | 1.0 Max.   | 5.0 Max.   | NTU       |   | 25 (Part 10):1984 R 2023   |  |  |  |  |  |
| H                         | 7.04         | 6.5-8.5  | No Relaxation  |           | and the second se | 5 3025 (Part 11): 2022   |  |  |  |  |  |
| Total Dissolved Solids    | 106.0        | 500.0 Max.   | 2000.0 Max   | me/L      | the second se   | 3025 (Part 16): 2023   |  |  |  |  |  |
| Chlorides                 | 19.99        | 250.0 Max  | 1000.0 Max.  | mg/t      | the second se   | 25 (Part 32)-1988 R 2019   |  |  |  |  |  |
| Manganese                 | -0.01        | 0.10 Max.  | 0.30 Max.  | mark      | and the second se | 3025 (Part 2): 2004 #2019  |  |  |  |  |  |
| litrate                   | 1.18         | 45.0 Max.  | No Relaxation  | mg/L      | and the second se | 25 (Part 34) 1908 R 2019   |  |  |  |  |  |
| Sulphate                  | 3.95         | 200.0 Max.   | 400.0 Max.   | mark.     | the second se   | 3025 (Part 24/Sec 11:2022  |  |  |  |  |  |
| otal Hardness<br>sCaCO3   | 44           | 200.0 Max.   | 600.0 Max.   | nga.      | the second se   | 3025 (Part 21)-2009 A2019  |  |  |  |  |  |
| alcium Hardness           | 30.0         | N  | lot Specifiqd  | me/L      | 153   | 025 (Part 40):1991 & 2019  |  |  |  |  |  |
| Magnesium Hardness        | 14.0         | 8.6  | of Specified   | mark      |   | Prese trajector to be a fair to |  |  |  |  |  |

REMARX: Reference to above testing parameters, given Well Water sample is within the prescribed limit. Discloimer-Information supplied by customers represented in italic font?

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director (Authorized Signatory) An ISO 9001:2015 Certified Company ISO 45001:2018



### [Shreeji]

## SHREEJI AQUA TREATMENT PVT. LTD.

Second a supervision of the property of

Pute : 21A. Shreeji Complex, Kefru Nagar, Fimpil, Pute: 411 (18

Vadiodara i Piot No.1, Shoh Ind. Park 1, Vadiodara-Savit, Landapara, 391 775 Dist. Vadiodara Lab : 184, Shreeji Terrace Apt, Plot No. 53, Parna Nagar, Chikhali, Parar 411019

Customer Care No.: +919221247305

Web : www.shreejuque.com + Email: info@streegiaque.com

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

|  |   |  | TEST REPORT  |               |                         | the state of the state of the |  |  |  |  |  |
|--|---|--|--|---------------|-------------------------|-------------------------------|--|--|--|--|--|
| Sample / Report No.  | SL/24-25/05/M   | FW/1350  |  |               |                         | 20/05/2024                    |  |  |  |  |  |
| Name of Customer   |   | IMITED (PIG IRON   | PLANT)   |               |                         |                               |  |  |  |  |  |
| Address of Customer  |   | RVEY NO.30(PART)41,42/3,22(PART) AMONA,P.O.MARCELA,BICHOLIM GOA.   |  |               |                         |                               |  |  |  |  |  |
| Order / Reference  | As per TRF Dates  |  |  | and the state | 1.910                   |                               |  |  |  |  |  |
| Sample declaration as provid                                   |   |  |  | _             |                         |                               |  |  |  |  |  |
| Nature of Sample   | and the second se | Naik Well Water  | S=   |               |                         |                               |  |  |  |  |  |
| Batch No.  | NA  |  |  | -             | and the second second   |                               |  |  |  |  |  |
| Sample Drawn by  | SATPL Represent   | ative on 15/05/20  | 24   |               | Sample Received On      | 16/05/2024                    |  |  |  |  |  |
| Start of Analysis  | 16/05/2024  |  |  |               | End of Analysis         | 20/05/2024                    |  |  |  |  |  |
| Sample Container   | Plastic Can   | in a second  |  |               | Sample Quantity         | 218                           |  |  |  |  |  |
| Sampling Procedure   | IS 3025 (Part 1) 8  | 151622   |  |               | Franker and the state   | 1-01                          |  |  |  |  |  |
| Limits   | As Per IS 10500.2   | 012 Standards  |  |               |                         |                               |  |  |  |  |  |
| Parameters   | Results   |  | in Range as per<br>900 / 2012                              | Unit          | Method                  |                               |  |  |  |  |  |
|  |   | Requirement<br>Acceptable<br>Limit   | Permissible Limit in<br>the Absence of<br>Alternate Source |               |                         |                               |  |  |  |  |  |
| Chemical Testing   |   |  |  | 5.10          | A PARTY NO.             |                               |  |  |  |  |  |
| Dissolved Iron   | <0.1  | 1.0 Max.   | No Relaxation  | //gm          | IS 3025 (Part           | 2): 2004 82019                |  |  |  |  |  |
| Electrical Conductivity  | 159   | Not  | Specified  | us/cm         |                         | lition 2023/2510-6            |  |  |  |  |  |
| Chemical Oxygen Demand<br>(COD)                                | <4.00   | Not  | Specified  | mg/L          |                         | ion 2023/ 5220-C              |  |  |  |  |  |
| Bio Chemical Oxygen Demand<br>BOO)27 <sup>6</sup> C for 3 Days | <1.00   | Not Specified  |  | mg/L          | IS 3025 (Par            | t 44): 2023                   |  |  |  |  |  |
| Total Suspended Solids (TSS)                                   | 6.0   | Not S  | pecified   | mg/L          | APHA, 24th Editio       | n 2023/ 2540-D                |  |  |  |  |  |
| Oil& Grence  | <2.0  | and the second | peofied  | mg/L          | IS 3025 (Part 39): 2021 |                               |  |  |  |  |  |
| Phosphates   | <0.001  | Not 8  | specified  | mg/t          | APHA, 24" Editic        | in 2023/4500-P-D              |  |  |  |  |  |

Disclaimer-Yefermetion supplied by customers represented in Italic fort"

Verified By, Sr. Analyst

DINCHWAD PUNE-471019

-----End Of Test Report-

REAT

For Shreeji Aqua Treatment Pvt. Ltd.

SIM

Managing Director ( Authorized Signatory)

The results relate to sample tested.

Page 2 of 2

An 150 9501:2015 Certified Company 150 45001 : 2018



#### Shreeji

### SHREEJI AQUA TREATMENT PVT. LTD

marchel Environmental Stations Onder Des Ros

Pane : 21A, Shveeji Campleo, Nehra Nagar, Paner 411 018 Vedeolara : Plot No. 1, Shah Ind. Rark 1, Vadodata-Savil, Lamdapura, 391 775 Olst. Vadodata Lab : 164, Shveeji Yersor Apt. Plot No. 53, Parna Nagar, Chihail, Paner 413019 Customer Care No.: +919225247365 Web : www.shreejisqua.com \* Email: inforct/englagua.com

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

|                            |              |  | TEST REPORT  |           |  | 20/05/202  |  |  |  |  |  |  |
|----------------------------|--------------|--|--|-----------|--|--|--|--|--|--|--|--|
| Sample / Report No.        | 51/24-25/    | 05/MFW/135N  | A CONTRACTOR OF THE  |           |  | 20/05/202  |  |  |  |  |  |  |
| Name of Customer           | M/s. VEDA    | NTA LIMITED (PIG   | IRON PLANT)  |           |  |  |  |  |  |  |  |  |
| Address of Customer        | SURVEY NO    | EV 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 pro- | vided by cus | tomer :  |  |           |  |  |  |  |  |  |  |  |
| Nature of Sample           | Amono-So     | ndesh Naik Well W  | uter   |           |  |  |  |  |  |  |  |  |
| Batch No.                  | NA           |  |  | -         |  | a new production of  |  |  |  |  |  |  |
| Sample Drawn by            |              | esentative on 15/0   | 6/2024   | Sample R  | leceived On                              | 15/05/2024   |  |  |  |  |  |  |
| Start of Analysis          | 16/05/202    |  | ACTIVATION OF THE OWNER | End of Ar | nalysis                                  | 20/05/2024   |  |  |  |  |  |  |
| Sample Container           | Plastic Car  | ń  | 1  | Sample C  | buantity                                 | 2 lit  |  |  |  |  |  |  |
| Sampling Procedure         | 15 3025 (Pa  | rt 1) & IS1622   |  |           | 1. |  |  |  |  |  |  |  |
| Limits                     | As Per IS 10 | 1500-2012 Standard   | İs   | 11        |  | The Local Design of the Lo |  |  |  |  |  |  |
| Parameters                 | Results      |  | tion Range as<br>S 10500 / 2012  | Unit      | Method                                   |  |  |  |  |  |  |  |
|                            |              | Requirement<br>Acceptable<br>Limit                               | Permissible Limit in<br>the Absence of<br>Alternate Source   |           |  |  |  |  |  |  |  |  |
| Chemical Testing           |              |  |  |           |  | Contraction of the second seco |  |  |  |  |  |  |
| Colour                     | <1.0         | 5.0 Max,   | 15.0 Max.  | Hazen     | 15 3025 (Pa)                             | rt 4):1983 R 2021  |  |  |  |  |  |  |
| lurbidity                  | 0.20         | 1.0 Max.   | 5.0 Max.   | NTU       |  | t 10h1994 R 2023   |  |  |  |  |  |  |
| H                          | 7.10         | 6.5-8.5  | No Relaxation  |           | IS 3025 (Par                             |  |  |  |  |  |  |  |
| fotal Dissolved Solids     | 98.0         | 500.0 Max.   | 2000.0 Max.  | mg/L      | 15 3025 (Part                            |  |  |  |  |  |  |  |
| Chlorides                  | 15.00        | 250.0 Mex.   | 1000.0 Max.  | mg/l      |  | rt 32) 1989 8 2019   |  |  |  |  |  |  |
| Wanganese                  | 10.0+        | 0.10 Max.  | 0.30 Max.  | mg/L      | 15 3025 (Part 2)                         |  |  |  |  |  |  |  |
| Vitrate                    | 1,04         | 45.0 Max.  | No Relaxation  | mg/L      | 15 3025 (Part 34)                        |  |  |  |  |  |  |  |
| Sulphate                   | 3.71         | 200.0 Mex.   | 400.0 Max.   | mart      | 15 3025  Part 2                          | and the second se  |  |  |  |  |  |  |
| otal Hardness<br>IsCaCO3   | 48.0         | 200.0 Max  | 600.0 Mpx  | mg/L      | 15 3025 (Part 2                          | Contraction of the second of t |  |  |  |  |  |  |
| Calcium Nardness           | 26.0         | Not  | Specified  | meth      | 15 3025 (Part 4                          | 40)-1991 R 2019  |  |  |  |  |  |  |
| Nagnesium Hardness         | 22.0         | Not 8  | Specified  | mg/L      |  | nt 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 fast'

Verified By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

SIM

Managing Director (Authorized Signatory) An ISO 9001:2015 Certified Company ISO 45001 : 2018

#### ||Shreeji ||



### SHREEJI AQUA TREATMENT PVT. LTD.

An ISO 9001:2015 Certified Company ISO 45001:2018

Puste I 21A, Stvægt Compkin, Netris Nagar, Pimpel, Puner 411 618 Vadodara I Piet No. 1, Shah ind. Park-1, Vadodara-Sovik, Lamitapura, 397 775 Dist. Vadodara Lab I 164, Streep Denson Apr. Piet No. 53, Punna Nagar, Chikhalt, Puner 411079 Castomer Care No.: +919225247265 Web I www.shirequa.com \* Dealt infode/wegiaqua.com

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

| and the second second  |  |                                    | TEST REPORT  |                   |   |                 |  |  |  |  |
|--|--|------------------------------------|--|-------------------|---|-----------------|--|--|--|--|
| Sample / Report No.  | \$L/24-25/05/MFW/135N 20/05/2024   |                                    |  |                   |   |                 |  |  |  |  |
| Name of Customer   | and the second | IMITED (PIG IRON                   | PLANT  | -                 |   |                 |  |  |  |  |
| Address of Customer  |  |                                    | NT) AMONA, P.O. MAHO                                       | ELA BICHO         | ILIM - GOA                                | _               |  |  |  |  |
| Order / Reference  | As per TRF Dated   |                                    |  |                   | con april                                 |                 |  |  |  |  |
| Sample declaration as provid                                   |  |                                    |  |                   |   | _               |  |  |  |  |
| Nature of Sample   |  | Naik Well Water                    |  |                   |   |                 |  |  |  |  |
| Batch No.  | NA   | too the clear the                  |  | -                 |   |                 |  |  |  |  |
| Sample Drawn by  | SATPL Represent  | ative on 15/05/20                  | 24   |                   | 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 11            |  |  |  |  |
| Sampling Procedure   | 15 3025 (Part 1) 8   | 151522                             |  | Sending community | 14.15                                     |                 |  |  |  |  |
| Limits   | As Per IS 10500:2012 Standards   |                                    |  |                   |   |                 |  |  |  |  |
| Farameters   | Results Specification Range as per<br>IS 10500 / 2012  |                                    |  |                   | Method                                    |                 |  |  |  |  |
|  |  | Requirement<br>Acceptable<br>Limit | Permissible Limit in<br>the Absence of<br>Alternate Source |                   | 17  |                 |  |  |  |  |
| Themical Testing   |  |                                    | A CONTRACTOR OF A  |                   | A part of the second                      |                 |  |  |  |  |
| Dissolved from   | <0.1   | 1.0 Max.                           | No Relaxation  | me/L              | IS 3025 (Part 2): 2004 R2019              |                 |  |  |  |  |
| Electrical Conductivity  | 151  | Not                                | Specified  | µs/cm             | APHA, 24th Edition 2023/251               |                 |  |  |  |  |
| Chemical Oxygen Demand<br>COD)                                 | <1.00  | Not                                | Specified  | mg/L              | APRA, 24 <sup>th</sup> Edition 2023/ 5220 |                 |  |  |  |  |
| Sin Chemical Oxygen Demand<br>BOD)27 <sup>4</sup> C for 3 Days | <1.00  | Not Specified                      |  | mg/L              | IS 3025 (Par                              | t 44): 2023     |  |  |  |  |
| Intel Suspended Solids (TSS)                                   | 8  | Not Sp                             | becified   | mg/L              | APHA, 24th Edition 2023/ 2540-D           |                 |  |  |  |  |
| hille Grease   | <2.0   | Not Sp                             | bocified   | mg/L              |   | (Part 39): 2021 |  |  |  |  |
| hosphates  | -0.001   | Not 8                              | Specified  | me/l.             | APHA, 24 <sup>th</sup> Editic             | 0.2023/4500-2-0 |  |  |  |  |

Verified By,

Sr. Analyst

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-End Of Test Report-

For Shreeji Aqua Treatment Pvt. Ltd.

SIM

Managing Director ( Authorized Signatory)

The results relate to sample tested.

Page 2 of 2



#### [Shreeji]

### SHREEJI AQUA TREATMENT PVT. LTD.

interesting the researched teachers Linder Deal

1 21A, Shreej Complex, Welvu Nagar, Pimpri, Pune: 411 018

Vadodara : Plot No.1, Shah Ind. Park 1, Vadodata Saell, Lamdapara, 391 775 Dat. Vadodara

Lab 1 164, Shrooji Terrace Apt. Plot No. 53, Purra Nagar, Chikhali, Pure: 411019

Centomer Care No.: +919225347365

Pune

Web : www.shroejiagua.com • Essail infospolsovjiagua.com

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

|                           |  |   | TEST REPORT  |           |  | 20/05/202  |  |  |  |  |  |
|---------------------------|--|---|--|-----------|--|--|--|--|--|--|--|
| Sample / Report No.       | 51/24-25/  | \$L/24-25/05/MPW/135M   |  |           |  |  |  |  |  |  |  |
| Name of Customer          | M/s. VEDA  | M/s. VEDANTA LIMITED (PIG IRON PLANT)                               |  |           |  |  |  |  |  |  |  |
| Address of Customer       | SURVEY NO  | URVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM - GOA. |  |           |  |  |  |  |  |  |  |
| Order / Reference         | As per TRF   | Dated 15/05/2024  |  |           | 19209-2000   |  |  |  |  |  |  |
| Sample declaration as pro | vided by cus   | tomer :   |  |           |  |  |  |  |  |  |  |
| Nature of Sample          | Maina-Dig  | amber Naik Well V   | Voter  |           |  |  |  |  |  |  |  |
| Batch No.                 | NA.  | Second Street   | and an                 | and the   |  |  |  |  |  |  |  |
| Sample Drawn by           | SATPL Repr   | resentative on 15/0   | 5/2024   | Sample F  | leceived On  | 16/05/2024   |  |  |  |  |  |
| Start of Analysis         | 16/05/202  | 4   |  | End of Ar | natysis  | 20/05/2024   |  |  |  |  |  |
| Sample Container          | Plastic Car  | 6   |  | Sample (  | biantity   | 211:   |  |  |  |  |  |
| Sampling Procedure        | 15 3025 (Pa  | rt 1) & 151622  |  |           |  | - Little   |  |  |  |  |  |
| Limits                    | As Per IS 10500:2012 Standards                       |   |  |           |  |  |  |  |  |  |  |
| Parameters                | Results Specification Range as<br>periS 10500 / 2012 |   |  | Unit      | Method   |  |  |  |  |  |  |
|                           |  | Requirement<br>Acceptable<br>Limit                                  | Permissible Limit in<br>the Absence of<br>Alternate Source |           |  |  |  |  |  |  |  |
| Demical Testing           |  |   |  |           |  |  |  |  |  |  |  |
| Colour                    | <1.0   | 5.0 Max.  | 15.0 Max.  | Haten     | 15 3025 (Pa  | rt 4):1983 R 2021  |  |  |  |  |  |
| Turbidity                 | 0.24   | 1.0 Max.  | 5.0 Max.   | NTU       |  | 110):1984 R 2023   |  |  |  |  |  |
| pH                        | 7.19   | 5.5 - 8.5   | No Relaxation  | -         | 15 3025 (Part 11): 2022  |  |  |  |  |  |  |
| Total Dissolved Solids    | 86   | 500.0 Max.  | 2000.0 Max.  | mg/t      | 15 3025 (Part 16) 2023   |  |  |  |  |  |  |
| Chlorides                 | 11.0   | 250.0 Max.  | 1000.0 Max.  | ma/L      |  | rt 32):1968 8 2019   |  |  |  |  |  |
| Manganese                 | -0.01  | 0.10 Max.   | 0.30 Max   | Part.     | IS 3025 (Part 2)   | and the second of the second |  |  |  |  |  |
| Nitrate                   | 0.18   | 45.0 Max.   | No Relaxation  | mat/L     | 15 3025 (Part 34)  |  |  |  |  |  |  |
| Sulphate                  | 2.66   | 200.0 Max.  | 400.0 Max.   | mg/L      | and the second | 84/5ec 11:2022   |  |  |  |  |  |
| fotal Hardness<br>IsCaCO3 | 34   | 200.0 Max.  | 600.0 Max.   | mg/L      |  | raji 2009 R2019  |  |  |  |  |  |
| Calcium Hardness          | 20.0   | Not   | Specified  | Agen      | 15 3025 (Part )  | 40]:1991 B 2019  |  |  |  |  |  |
| Wagnesium Hardness        | 10.0   | Not 8   | Specified  | mg/L      | 15 2029  | et 46: 82023   |  |  |  |  |  |

REMARK: Reference to above testing parameters, given Well Water sample is within the prescribed limit. Disclaimer-Information supplied by curtomers represented in italic font'

Verified Sec Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director (Authorized Signatory)

### [[Shreeji]]



### SHREEJI AQUA TREATMENT PVT. LTD.

An 150 9001:2015 **Certified Congasy** 150 45001 : 2018

Pane : 21A, Streey Complex, Netriu Nagar, Panpet, Pane: 411-018 Vadodara : Flot No.1, Shah Init. Park-1, Vadodaro Savil, Lamdapura, 391-775 Dist. Vadodara

Lab. : 384, Shreed Terrace Apr. Plot No. 53, Parris Magar, Childhali, Parse: 411019 Castomer Care No.: +919225247565

Web 1 www.shreejiaqua.com · Email: infognitreejiamua.com

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

|  |  |  | TEST REPORT  |          |                               | The second s |  |  |  |
|--|--|--|--|----------|-------------------------------|--|--|--|--|
| Sample / Report No.                              | 3L/24-25/05/MPW/13SM 20/05/202   |  |  |          |                               |  |  |  |  |
| Name of Customer                                 | M/s. VEDANTAL  | IMITED (PIG IRON   | PLANT)   |          |                               |  |  |  |  |
| Address of Customer                              | SURVEY NO.30(P   | ART)41,42/1,27(P/  | WIT) AMONA, P.O.MARCI                                      | LA BICHO | UM - GOA.                     |  |  |  |  |
| Order / Reference                                | As per TRF Dated   | A president of the second strategy of t   |  | -        |                               |  |  |  |  |
| Sample declaration as provid                     | ed by customer :   |  |  |          |                               |  |  |  |  |
| Nature of Sample                                 | The second s | r Naik Well Water  |  | -        |                               |  |  |  |  |
| Batch No.  | NA   |  |  | _        |                               |  |  |  |  |
| Sample Drawn by                                  | SATPL Represent  | ative on 15/05/20  | 24   | -        | Sample Received On            | 16/05/2024   |  |  |  |
| Start of Analysis                                | 16/05/2024   |  |  |          | End of Analysis               | 20/05/2024   |  |  |  |
| Sample Container                                 | Plastic Can  |  |  |          | Sample Quantity               | 2.01   |  |  |  |
| Sampling Procedure                               | 15 3025 (Part 1) 8   | 151622   |  |          | Addition and a second         |  |  |  |  |
| Limits   | As Per IS 10500:2012 Standards   |  |  |          |                               |  |  |  |  |
| Parameters                                       | Results  | A start of the | in Range as per<br>500 / 2012                              | Usit     | Method                        |  |  |  |  |
|  |  | Requirement<br>Acceptable<br>Limit   | Permissible Limit in<br>the Absence of<br>Alternate Source |          |                               |  |  |  |  |
| humical Testing                                  |  |  | The section of the section of the                          |          |                               |  |  |  |  |
| Dissolved from                                   | +0.1   | 1.0 Max.   | No Relaxation  | mg/L     | IS 3025 (Part 2): 200-        | 82019  |  |  |  |
| Electrical Conductivity                          | 138  | Not  | Specified  | µs/cm    | APHA, 24th Editio             |  |  |  |  |
| Stemical Oxygen Demand<br>COD)                   | <1.00  | Not  | Specified  | mg/L     | APHA, 24* Edition 2023/ 5220- |  |  |  |  |
| Bo Chemical Oxygen Demand<br>BOD(27°C for 3 Days | <1.00  | Na   | t Specified  | mg/L     | IS 3025 (Part 44): 2023       |  |  |  |  |
| otal Suspended Solids (155)                      | 4  | No   | t Specified  | ma/t     | APHA, 24th Editio             | on 2023/2540-D   |  |  |  |
| NIR Geesse                                       | <2.0   | No   | t Specified  | mg/L     | 15 3025 (Pr                   | rt 391: 2021   |  |  |  |
| hospilates                                       | <0.001   | Not  | Specified  | mu/L     | APHA, 24th Editio             | n 2023/4500-P-4  |  |  |  |

Verified By, 20.07 Sr. Analyst

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For Shreeji Aqua Treatment Pvt. Ltd.

SIM

**Managing Director** ( Authorized Signatory)

The results relate to sample tested.

End Of Test Report-

Page 2 of 2



ULR No.: TC138772400010602F

#### SHREEJI AQUA TREATMENT PVT. LTD.

Innovember Environmental Tolations Under One Assar Accredited by NASE as per BONIC 17625-2017 Certified by ISO 8001-2915, ISO 14001-2015 & ISO 45001-2018 Recognized by Ministry of Environment, Forest & Climate Change (MoEPCC), Gevt. 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.

Shreeji ||

|                               |  |   | TEST RE                 | PORT                  |   |                           |  |  |  |  |
|-------------------------------|--|---|-------------------------|-----------------------|---|---------------------------|--|--|--|--|
| Sam                           | Sample / Report No. SL/24-25/10/MFW/105U 29/10/1   |   |                         |                       |   |                           |  |  |  |  |
| and the second second         | e of Customer  | M/s. VEDANTA LIMITED (PIG IRON PLANT)   |                         |                       |   |                           |  |  |  |  |
|                               | ess of Customer  |   |                         |                       |   |                           |  |  |  |  |
|                               | r / Reference  | SURVEY NO.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM – GO/<br>As Per TRF dated 24/10/2024  |                         |                       |   |                           |  |  |  |  |
|                               | ale declaration as provided by   |   | avera any pay 202       | 9.7                   |   |                           |  |  |  |  |
| and a state of the state      | re of Sample   | and the second se | njay Naik Well          | Minter                |   |                           |  |  |  |  |
| Batc                          | h No.  | NA  | did tom then            | TESTAT                |   |                           |  |  |  |  |
| Samu                          | ale Drawn by   | SATPL on 24/  | 10/2024                 | Sam                   | ple Received On   | 25/10/2024                |  |  |  |  |
| Start                         | of Analysis  | 25/10/2024  |                         | and the second second | of Analysis   | 29/10/2024                |  |  |  |  |
|                               | ole Container  | Plastic can   |                         | second and the second | ple Quantity  | 02 lit                    |  |  |  |  |
| the state of the state of the | aling Procedure  | IS 3025 (Part 1)  |                         |                       |   |                           |  |  |  |  |
| Limit                         | The state of the s | As Per IS 10500:2012 Standards  |                         |                       |   |                           |  |  |  |  |
| them                          | ical Testing   | 1.0.1.00.00.000   | or and the state of the |                       |   |                           |  |  |  |  |
| ir.No                         | Parameters   | Results   | Limits                  | Unit                  | 1   | Method                    |  |  |  |  |
| 1                             | Colour   | <1.0  | 5.0 Max                 | Hazen                 | 15 30   | 25 (Part 4) :1983 R 2021  |  |  |  |  |
| 2                             | pH Value   | 7.17  | 6.5-8.5                 |                       | the second se   | 3025 (Part 11):2022       |  |  |  |  |
| 3                             | Turbidity  | 0.23  | 1.0 Max                 | NTU                   |   | 5 (Part 10) :1984 R 2023  |  |  |  |  |
| 4                             | Total Dissolved Solids   | 85.0  | 500.0 Max               | me/Uit                | and the second se | 3025 (Part 16): 2023      |  |  |  |  |
| 5                             | Sulphate as SO4  | 2.58  | 200.0 Max               | mg/Lit                | the second se   | 5: (Part 24/Sec 1) :R2022 |  |  |  |  |
| 6                             | Total Hardness as CaCO <sub>3</sub>  | 38.0  | 200.0 Max               | mg/Lit                | The second se   | 5 (Part 21): 2009 8 2019  |  |  |  |  |
| 7                             | Chloride as Cl   | 15.00   | 250.0 Max               | mg/Lit                | and the second  | 5 (Part 32): 1988 R 2019  |  |  |  |  |
| 8                             | Manganese as Mn  | <0.01   | 0.1 Max                 | mg/Lit                | the second se   | 25 (Part 2): 2004 R2019   |  |  |  |  |
| 9                             | Nitrate as NO <sub>1</sub>   | 1.06  | 45.0 Max                | mg/Lit                |   | 5 (Part 34):1988 R 2019   |  |  |  |  |
| 10                            | Calcium Hardness   | 22.0  | NS                      | mg/Lit                |   | 5 (Part 40):1991 R 2019   |  |  |  |  |
| 11                            | Magnesium Hardness   | 16.0  | NS                      | ma/Lit                | the second se   | IS 3025: Part 46;R2023    |  |  |  |  |

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

Verified By,

Sc. Analyst

CHERTON CONTRACTOR

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

Panet Plot No. 8-24, H Block, Lal Topi Nagar, Morewadi, MDC, Pimpri-Chinchwad, Mahaisahtra 411018. Lake 164,Shreeji Testace Apt, Plot No. 53, Puma Nagas, Chikhali, Pume: 411019 Vadodana: Plot No.1, Shah Incl. Park-1, Vadodara-Savli, Lamdapura, 191 775 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





Accedited by NABL as per ISO/IEC 17025/2017 Centified by ISO 9081/2015, ISO 14001/2015 & ISO 45001/2018

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

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 RE       | PORT                                |   |                                       |  |  |  |  |
|---|---|--|---------------|-------------------------------------|---|---------------------------------------|--|--|--|--|
| Cares   | ple / Report No.                                | be the same to   |               |                                     |   | 29/10/2024                            |  |  |  |  |
|   |   | SL/24-25/10/MFW/105U<br>M/s. VEDANTA LIMITED (PIG IRON PLANT)  |               |                                     |   |                                       |  |  |  |  |
| A STREET, BALLARD   | e of Customer                                   |  |               |                                     |   | and the state of the second           |  |  |  |  |
| CONTRACTOR OF TAXABLE   | ess of Customer                                 |  |               |                                     | RT) AMONA, P.O.I  | MARCELA, BICHOLIM - GOA.              |  |  |  |  |
| and the state of the local  | r / Reference                                   | As Per TRF (   | iated 24/10/2 | 024                                 |   |                                       |  |  |  |  |
|   | ple declaration as provided by cu               | istomer :  |               | Section 1                           |   |                                       |  |  |  |  |
| Natu  | re of Sample                                    | Navellin - Si  | anjay Naik We | ell Water                           |   |                                       |  |  |  |  |
| Batch   | h No.   | NA   |               |                                     |   |                                       |  |  |  |  |
| and the second second   | ble Drawn by                                    | SATPL on 24  | /10/2024      | Samp                                | ale Received On   | 25/10/2024                            |  |  |  |  |
| a description of the second | of Analysis                                     | 25/10/2024   |               | End o                               | of Analysis   | 29/10/2024                            |  |  |  |  |
| Sample Container  |   | Plastic can  |               | Samp                                | sie Quantity  | 02 lit                                |  |  |  |  |
| Samp  | iling Procedure                                 | cedure IS 3025 (Part 1)  |               |                                     |   |                                       |  |  |  |  |
| <b>Umit</b>   |   | As Per IS 10500:2012 Standards   |               |                                     |   |                                       |  |  |  |  |
| Chemi   | ical Testing                                    | /  |               | _                                   |   |                                       |  |  |  |  |
| šr.No   | Parameters                                      | Results  | Limits        | Unit                                |   | Method                                |  |  |  |  |
| 12  | Dissolved from                                  | <0.1   | 1.0 Max.      | mg/Ut                               | 15.30   | 25 (Part 2): 2004 R2019               |  |  |  |  |
| 13  | Conductivity                                    | 138  | NS            | us/cm                               |   | 24 <sup>th</sup> Edition 2023/2510-8  |  |  |  |  |
| 14  | Chemical Oxygen Demand<br>(COD)                 | <3.0   | NS            | mg/Lit                              | 1.  | 24 <sup>th</sup> Edition 2023/ 5220-C |  |  |  |  |
| 15  | Bio Chemical Oxygen Demand<br>@ 27°C for 3 Days | <1.0   | NS            | mg/Lit                              | 15  | 3025 (Part 44):2023                   |  |  |  |  |
| 16  | Total Suspended Solids (TSS)                    | 8.00   | NS            | mg/Lit                              | APHA.   | 24 <sup>th</sup> Edition 2023/ 2540-D |  |  |  |  |
| 17  | Oil & Grease                                    | <2.0   | NS            | mg/Lit                              |   | 3025 (Part 39):2021                   |  |  |  |  |
| 18  | Phosphates                                      | <0.001   | NS            | mg/Lit                              |   | Ith edition: 4500P- D: 2023           |  |  |  |  |
| 11 A  |   | A REAL PROPERTY AND A REAL |               | and the second second second second | and the second se |                                       |  |  |  |  |

Note: NA-Not Applicable. NS- Not Specified.

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

Verified By,

Sr.Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager Authorized Signatory

The results relate to sample tested.

-End of Test Report-

Page 2 of 2



Accedited by NABL as per SO/IEC 17025-2017 Centred by 150 9001-2019, ISO 14001-2019 & ISO 45001-2018 Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Gost, 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

|| Shreeji ||

|  |   |  | TEST R             | EPORT   |  | 0000435   |  |  |  |  |
|--|---|--|--------------------|---|--|---|--|--|--|--|
| Sam  | ple / Report No.  | 51/24-25/10  | /MFW/105T          |   |  | 29/10/20  |  |  |  |  |
| Contraction of the local division of the loc | me of Customer M/s. VEDANTA LIMITED (PIG IBON PLANT)  |  |                    |   |  |   |  |  |  |  |
| Add  | ress of Customer  | SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O. MARCELA, BICHDUM - GOA. |                    |   |  |   |  |  |  |  |
|  | r / Reference   | <ul> <li>BG PEETERE AL</li> </ul>                                      | ated 24/10/20      | n Alian Cile<br>DA  | ANT AMONA, P.D.  | MARCELA, BICHOLIM - GOA,  |  |  |  |  |
| Sam  | ple declaration as provided b   | v customer :   |                    | 4.9   |  |   |  |  |  |  |
| Natu   | re of Sample  | Amona-Sandesh Naik Well Water  |                    |   |  |   |  |  |  |  |
| Batci  |   | NA   |                    | PRHICE  |  |   |  |  |  |  |
| Samp   | ole Drawn by  | SATPL on 24  | /10/2024           | Ti  | ample Received Or  | by is a tagent  |  |  |  |  |
| Start  | of Analysis   | 25/10/2024   | and a set of       |   | ind of Analysis  |   |  |  |  |  |
| Samp   | le Container  | Plastic can  |                    | the second se | and the second   | 29/10/2024  |  |  |  |  |
| the second s   | ling Procedure  | 15 3025 (Part  | 11                 | 13  | iample Quantity  | 02 fit  |  |  |  |  |
| Limit  |   | As Per IS 10500:2012 Standards   |                    |   |  |   |  |  |  |  |
| Chemi  | cal Testing   | 101010100  | 00.2012 Stanta     | HOS   |  |   |  |  |  |  |
| ir.No  | Parameters  | Results  | Limits             | Un  | t l  | Method  |  |  |  |  |
| 1  | Colour  | <1.0   | 5.0 Max            | Haz   |  |   |  |  |  |  |
| 2  | pH Value  | 7.01   | 65.85              | - max   | - 10F 2  | 025 (Part 4) :1983 R 2021   |  |  |  |  |
| 3  | Turbidity   | 0.19   | 1.0 May            | NT  |  | 6 3025 (Part 11):2022   |  |  |  |  |
| 4  | Total Dissolved Solids  | 80.0   | 500.0 Max          | mg/   |  | 125 (Part 10) :1984 R 2023<br>S 3025 (Part 16): 2023  |  |  |  |  |
| 5  | Sulphate as SO <sub>4</sub>   | 2.10   | 200.0 Max          | mg/   | and the second se  | 25: (Part 24/Sec 1):R2022   |  |  |  |  |
| 6  | Total Hardness as CaCO <sub>3</sub>   | 42.0   | 200.0 Max          | mg/   |  | the second se |  |  |  |  |
| 7  | Chloride as Cl  | 12.0   | 250.0 Max          | ma/   | 100 001  | 25 (Part 21): 2009 R 2019   |  |  |  |  |
| and the second se  | Manganese as Mn   | <0.01  | 0.1 Max            | mg/   |  | 25 (Part 32): 1988 8 2019   |  |  |  |  |
| and the second second  | Nitrate as NO <sub>1</sub>  | 1.11   | 45.0 Max           | mg/l  | talan and the second se | 025 (Part 2): 2004 R2019  |  |  |  |  |
| COMPACT AND INCOME.  | Calcium Hardness  | 30.0   | NS                 | mg/l  | the second se  | 25 (Part 34):1988 R 2019<br>25 (Part 40):1991 R 2019  |  |  |  |  |
|  | Magnesium Hardness  | 12.0   | NS                 | man di  | 10   | 3025: Part 46:R2023   |  |  |  |  |
| sema.  | NA-Not Applicable. NTU: Nep<br>rk: -The sample analyzed for :<br>imer: 'Information supplied b<br>d By, | above caramete   | et is said bis the | . stated at the   | ecified.   |   |  |  |  |  |

Sr. Analyst

1 1 1 1 1 1 1 1 1 St. 1.1.1

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

Pane: Plot No. 5-34, H Block, LaiTopi Nagar, Morewald, MIDC, Pimpri-Chinchwad, Maharashtra-411018. Lab: 184,Shreeji Temace Apt, Plot No. 53, Perna Nagar, Chikhail, Pane: 411019 Vadodara: Plot No.1, Shah ind, Park-1, Vadodara-Savil, Lamdapura, 391 775 Dist, Vadodra Customer Care Nos: +919225347365 Email: info@shreejiaqua.com: Webi www.shreejiaqua.com Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune\_lab@shreejiaqua.com





Annualities Environmental Solutions Under One Acad Accedited by NABL as per ISO/85: 17025:2017 Centified by ISO 9001:3015, ISO 14001:3015 & ISO 45005:3018 Recognized by Ministry of Environment, Forest & Climate Change (MoEPCC), Govt. of India, New Delhi

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|  |  |   | TEST REP       | PORT            |  |                                       |  |  |  |
|--|--|---|----------------|-----------------|--|---------------------------------------|--|--|--|
|  |  |   |                |                 |  | 29/10/2024                            |  |  |  |
| Sample / Report No. SL/24-25/10/MFW/105T   |  |   |                |                 |  |                                       |  |  |  |
| Nam  | e of Customer  | M/s. VEDANTA LIMITED (PIG IRON PLANT)                                   |                |                 |  |                                       |  |  |  |
| Adds   | ress of Customer   | SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O. MARCELA, BICHOLIM - GOA. |                |                 |  |                                       |  |  |  |
| Orde   | r / Reference  |   | lated 24/10/20 |                 |  |                                       |  |  |  |
| Samp   | ple declaration as provided by cu                            | stomer :  |                |                 |  |                                       |  |  |  |
| Natu   | re of Sample   | Amono-San   | desh Naik Wel  | ll Water        |  |                                       |  |  |  |
| Batci  | h No.  | NA,   |                |                 |  |                                       |  |  |  |
| Samp   | ole Drawn by   | SATPL on 24   | /10/2024       | Sample          | Received On  | 25/10/2024                            |  |  |  |
| the second s | of Analysis  | 25/10/2024  |                | End of Analysis |  | 29/10/2024                            |  |  |  |
| Sample Container   |  | Plastic con   |                | Sample Quantity |  | 02 lit                                |  |  |  |
| Samp   | Sampling Procedure IS 3025 (Part 1)                          |   |                |                 |  | 1.25.2                                |  |  |  |
| Limit  | 5  | As Per IS 10500:2012 Standards  |                |                 |  |                                       |  |  |  |
| Chem   | ical Testing   |   |                |                 |  |                                       |  |  |  |
| ir.No  | Parameters   | Results   | Limits         | Unit            | -  | Method                                |  |  |  |
| 12   | Dissolved Iron   | <0.1  | 1.0 Max.       | mg/Lit          | 15.30  | 25 (Part 2): 2004 R2019               |  |  |  |
| 13   | Conductivity   | 151   | NS             | µs/cm           | APHA.  | 24th Edition 2023/2510-8              |  |  |  |
| 14   | Chemical Oxygen Demand<br>(COD)                              | <3.0  | NS             | mg/Lit          | 100 C 100  | 24 <sup>44</sup> Edition 2023/ 5220-C |  |  |  |
| 15   | Bio Chemical Oxygen Demand<br>@ 27 <sup>6</sup> C for 3 Days | <1.0  | NS             | mg/Lit          | 15   | 3025 (Part 44):2023                   |  |  |  |
| 16   | Total Suspended Solids (TSS)                                 | 8.0   | NS             | mg/Lit          | APHA.  | 24 <sup>th</sup> Edition 2023/ 2540-D |  |  |  |
| 17   | Oil & Grease   | <2.0  | N5             | mg/Lit          | the second se  | 3025 (Part 39):2021                   |  |  |  |
| 18   | Phosphates   | <0.001  | NS.            | mg/Lit          | and the second | th edition: 4500P- D: 2023            |  |  |  |

Note: NA-Not Applicable. NS- Not Specified.

The results relate to sample tested.

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Verified By,

Sr.Analyst



—End of Test Report-----

For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager

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Page 2 of 2

Pane: Piot No. 9-24, H Block, Lai Topi Nagar, Moressedi, MIOC, Pimpri-Chinchwed, Maharashtra 411038. Lait: 164.Shreeji Terrace Apr. Piot No. 53, Puma Nagar, Chikhail, Pune: 411019 Vadodare: Piot No.1, Shah ind, Park-1, Vadodara-Savil, Lamdapura. 391 775 Dist, Vadodara Castomer Care No.: +919225247365 Email: info@shreejiaqua.com Webc www.shreejiaqua.com Shreeji Aqua is always subject to improvement for botter costomer sutification, we welcome your feedback on pune\_lab@shreejiaqua.com



Innovative Environmental Solutions Under One Roof According by KABL as per ISONEC 17025:2017 Certified by ISO 9001-2015, ISO 14001-2015 & ISO 45001-2018 Recognized by Ministry of Environment, Forest & Climate Change (MoDFCC), Gevt. of India, New Delhi



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|| Shreeji ||

|                       |  |   | TEST RE        | PORT  |   | 29/10/202                 |  |  |  |  |
|-----------------------|--|---|----------------|---|---|---------------------------|--|--|--|--|
| Sam                   | Sample / Report No. 5L/24-25/10/MFW/1055 |   |                |   |   |                           |  |  |  |  |
|                       | e of Customer                            | M/s. VEDANTA LIMITED (PIG IRON PLANT)                                   |                |   |   |                           |  |  |  |  |
| Adde                  | ess of Customer                          | SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O. MARCELA, BICHOLIM - GOA. |                |   |   |                           |  |  |  |  |
| Orde                  | r / Reference                            | As Per TRF d  | ated 24/10/202 | 4   | 11/11/11/01/11/11/2020  | incelo-picriotim - dok    |  |  |  |  |
| Samj                  | ele declaration as provided b            | y customer :  |                |   |   |                           |  |  |  |  |
|                       | re of Sample                             |   | nber Naik Well | Water   |   |                           |  |  |  |  |
| Batel                 | h No.                                    | NA  |                | 20,000  |   |                           |  |  |  |  |
| Samp                  | ale Drawn by                             | SATPL on 24   | 10/2024        | San   | mple Received On  | 25/10/2024                |  |  |  |  |
| Start                 | of Analysis                              | 25/10/2024  |                | the second second second second   | d of Analysis   | 29/10/2024                |  |  |  |  |
| Samp                  | ale Container                            | Plastic can   |                | and the second se | nple Quantity   | 02 lit                    |  |  |  |  |
| Samp                  | Eng Procedure                            | IS 3025 (Part   | 13             |   | and advanced a  |                           |  |  |  |  |
| Limit                 | 5  | As Per IS 10500:2012 Standards  |                |   |   |                           |  |  |  |  |
| hem                   | ical Testing                             |   |                |   |   |                           |  |  |  |  |
| ir.No                 | Parameters                               | Results   | Limits         | Unit  |   | Method                    |  |  |  |  |
| 1                     | Colour                                   | <1.0  | 5.0 Max        | Hazen   | 15 30   | 25 (Part 4) :1983 R 2021  |  |  |  |  |
| 2                     | pH Value                                 | 7.21  | 6.5-8.5        |   |   | 3025 (Part 11) 2022       |  |  |  |  |
| 3                     | Turbidity                                | 0.26  | 1.0 Max        | NTU   |   | 5 (Part 10) :1984 R 2023  |  |  |  |  |
| 4                     | Total Dissolved Solids                   | 90.0  | 500.0 Max      | mg/Lit  | and the second  | 3025 (Part 16): 2023      |  |  |  |  |
| 5                     | Sulphate as SO <sub>4</sub>              | 2.34  | 200.0 Max      | mg/Lit  | The second se   | S: (Part 24/Sec 1) :R2022 |  |  |  |  |
| 6                     | Total Hardness as CaCO <sub>3</sub>      | 40.0  | 200.0 Max      | mg/Lit  |   | 5 (Part 21): 2009 R 2019  |  |  |  |  |
| 7                     | Chloride as Cl                           | 13.0  | 250.0 Max      | meAlt   |   | 5 (Part 32): 1988 R 2019  |  |  |  |  |
| 8                     | Manganese as Mn                          | <0.01   | 0.1 Max        | mg/Lit  | The second se   | 25 (Part 2): 2004 R2019   |  |  |  |  |
| 9                     | Nitrate as NO <sub>2</sub>               | 0.11  | 45.0 Max       | mg/Lit  |   | 5 (Part 34):1988 8 2019   |  |  |  |  |
| and the second second | Calcium Hardness                         | 26.0  | NS             | mg/Lit  | the second se   | 5 (Part 40):1991 R 2019   |  |  |  |  |
| 10                    | Magnesium Hardness                       | 14.0  | NS             | mg/Lit  | and the second se | 3025: Part 46;82023       |  |  |  |  |

Verified By,

Sr. Analyst

CHEAVER P

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: Pict No. 8-24, H Block, Lai Topi Nagat, Morewadi, MEC, Pimpri-Chinchwad, Maharashina 411018, Lab: 164,Shueeji Terrace Apt, Pict No. 53, Puna Nagat, Chikhali, Pune: 411019 Vadodana: Pict No.1, Shah Ind, Park 1, Vadodara-Savdi, Lamdapura, 391 773 Dist, Vadodaa Customer Care No.: +919225247365 Email: Info@shireejiaqua.com Web: www.shreejiaqua.com Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune\_labdishreejiaqua.com





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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 RE       | PORT            |  |                                       |  |  |  |  |
|--|---|---------------------------------------|---------------|-----------------|--|---------------------------------------|--|--|--|--|
|  |   |                                       |               |                 |  | 29/10/202                             |  |  |  |  |
| Sample / Report No. SL/24-25/10/MFW/1055 |   |                                       |               |                 |  |                                       |  |  |  |  |
| And the local division of                | e of Customer                                   | M/s. VEDANTA LIMITED (PIG IRON PLANT) |               |                 |  |                                       |  |  |  |  |
| Adds                                     | ress of Customer                                | SURVEY NO                             | 30(PART)41,4  | 2/1,27(PAR      | TI AMONA, P.O.                         | MARCELA, BICHOLIM - GOA.              |  |  |  |  |
| Orde                                     | r / Reference                                   | As Per TRF o                          | lated 24/10/2 | 024             | AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA |                                       |  |  |  |  |
| Samj                                     | ple declaration as provided by cu               | stomer :                              |               |                 |  |                                       |  |  |  |  |
| Natu                                     | re of Sample                                    | Maina-Diga                            | mber Naik W   | ell Water       |  |                                       |  |  |  |  |
| Batch                                    | h No.   | NA                                    |               |                 |  |                                       |  |  |  |  |
| Samj                                     | ole Drawn by                                    | SATPL on 24                           | /10/2024      | Samp            | le Received On                         | 25/10/2024                            |  |  |  |  |
| Start                                    | of Analysis                                     | 25/10/2024                            |               | End o           | f Analysis                             | 29/10/2024                            |  |  |  |  |
| Sample Container                         |   | Plastic can                           |               | Sample Quantity |  | 02 lit                                |  |  |  |  |
| Samp                                     | aling Procedure                                 | IS 3025 (Par                          | 11)           |                 |  |                                       |  |  |  |  |
| Limit                                    | 3   | As Per IS 10                          | 500-2012 Stan | dards           |  |                                       |  |  |  |  |
| them                                     | ical Testing                                    |                                       |               |                 |  |                                       |  |  |  |  |
| ir.No                                    | Parameters                                      | Results                               | Limits        | Unit            |  | Method                                |  |  |  |  |
| 12                                       | Dissolved Iron                                  | <0.1                                  | 1.0 Max.      | mg/Lit          | 15 30                                  | 25 (Part 2): 2004 R2019               |  |  |  |  |
| 13                                       | Conductivity                                    | 140                                   | NS            | us/cm           | APHA.                                  | 24th Edition 2023/2510-8              |  |  |  |  |
| 14                                       | Chemical Oxygen Demand<br>(COD)                 | <3.0                                  | NS            | mg/Lit          |  | 24 <sup>th</sup> Edition 2023/ 5220-C |  |  |  |  |
| 15                                       | Bio Chemical Oxygen Demand<br>@ 27°C for 3 Days | <1.0                                  | NS            | mg/Lit          | 15                                     | 3025 (Part 44):2023                   |  |  |  |  |
| 16                                       | Total Suspended Solids (TSS)                    | 10.0                                  | NS            | mg/Lit          | APHA,                                  | 24 <sup>15</sup> Edition 2023/ 2540-D |  |  |  |  |
| 17                                       | Oil & Grease                                    | <2.0                                  | NS            | mg/Lit          |  | 3025 (Part 39):2021                   |  |  |  |  |
| 18                                       | Phosphates                                      | <0.001                                | NS            | mg/Lit          |  | Ith edition: 4500P- D: 2023           |  |  |  |  |

Note: NA-Not Applicable. NS- Not Specified.

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

Verified By,

Sc. Analyst

The results relate to sample tested.

Quality Manager **Authorized Signatory** 

For Shreeji Aqua Treatment Pvt.1td.

and adjusted by

Page 2 of 2

Panet Piot No. 8-34, H Block, Lai Topi Nagar, Morewald, MDC, Pimpri-Chinchwod, Maharashtra 431018. Labi 164,Shreeji Temace Apt. Piot No. 53, Purra Nagar, Chikhall, Pune: 411019 Vadedares Piot No.1, Shah Ind. Park-1, Vadodara-Savik, Landapura. 391 775 Dist, Vadodra Customer Care Noz +919225247365 Email: Infogstreejiagua.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

HCHWD HCHWD

End of Test Report-

## <u>Annexure IV</u> Water withdrawal permissions



GOVERNMENT OF GOA OFFICE OF THE EXECUTIVE ENGINEER WORKS DIVISION I WATER RESOURCES DEPARTMENT 1<sup>st</sup> FLOOR, NR. POLICE STATION, SINCHAI BHAVAN, PORVORIM GOA

#### No. WRD/WDI/ASW/F.15/2025-26/ 13

Date: 04 / 04 / 2025

To. M/s Vedanta Ltd. Sesa Ghor, 20 EDC Complex, Patto Panañ-Goa.

> Sub: Renewal of N.O.C for water drawal from Valvonti river at Virdi, Sanquelim, for Vedanta Ltd, Amona & Navelim Plant. Ref No: WRD/WD VI/SD-1/2023-24/ F.50/434 dated: 17/02/2025.

Sir.

0

With reference to your application dated 22/02/2024, the N.O.C for drawal of water from Valvonti river at Virdi to the extent of 10,000.00 cum/day is renewed for further period with following conditions:

- 1. Measuring devices shall be fixed by the applicant at their own cost.
- 2. The company should pay for the raw water at prevailing rate as fixed by Government.
- 3. Before releasing the residual water/concentrate, following precautions are to be takero
  - a) The residue to the desalinated process should be treated and let out into the river so that the marine life and ecology and other environmental parameters. are not affected.
  - b) As abundant precaution, the residual water should be mixed with water to cool down the concentrate to normal temperature.
  - c) The residual water should be released during of start of low tide.
  - d) To dilute the residual concentrate to bring it back to normal sea salinity of 30,000g/lit before releasing into the canal.
  - e) If there is any adverse effect on the environmental/marine life or any other reason. Government reserves the right to withdrawal N.O.C. without prejudice.
- 4. Validity of N.O.C. is further extended upto 19th Aprill, 2026.

Yours Faithfully,

CANAL OFFICER (N)

Copy to:-

- 1. The Chief Engineer, W.R.D, Sinchai Bhavan, Alto Porvorim-Goa.
- 2. The Superintending Engineer, Circle I, W.R.D, Sinchai Bhavan, Alto Porvorim-Goa. 3. The Executive Engineer, W.D. VI, W.R.D., Bicbolim-Goo.



GOVERNMENT OF GOA OFFICE OF THE EXECUTIVE ENGINEER WORKS DIVISION I WATER RESOURCES DEPARTMENT 1<sup>41</sup> FLOOR, NR. POLICE STATION, SINCHAI BHAVAN, PORVORIM GOA

## No. WRD/WDI/ASWIF.15/2024-25/633

Date: 0 = / 03 / 2025

Ter M/s Vedanta Ltd. Sesa Ghor, 20 EDC Complex. Patto Panaĝ-Geo.

Sub: Renewal of N.O.C for water drawal from Mandovi river at Amona, for 30 MW waste heat recovery Power plant. Ref: No: WRD/WDVI/SD-I/2024-25/F.50/426 dtd: 06/02/2025

#### Sir,

With reference to your application dated 22/01/2025, the N.O.C for drawal of water from Mandovi river at Amona to the extent of 7000.00m9/day is renewed for further period with following conditions:

- 1. The drawal of water to the plant shall not exceed the sanctioned quantity.
- 2 Measuring devices shall be fixed by the applicant at their own cost.
- 3. The company should pay for the raw water at prevailing rate as fixed by Government.
- Before releasing the residual water/concentrate, following precautions are to be taken;
  - a) The residue to the desalinated process should be treated and let out into the river so that the marine life and ecology and other environmental parameters are not affected.
  - b) As abundant prenaution, the residual water should be mixed with water to cool down the concentrate to normal temperature.
  - c) The residual water should be released during of start of low tide.
  - d) To dilute the residual concentrate to bring it back to normal sea salinity of 30,000g/lit before releasing into the canal.
  - e) If there is any adverse effect on the environmental/marine life or any other reason, Government reserves the right to withdraw N.O.C. without prejudice.
- 5. Validity of N.O.C. is further extended up to 214 February, 2026.

Yours Faithfully,

EXECLE HNTER-L & CANAL OFFICER (N)

Copy top-

- 1. The Chief Engineer, W.R.D. Sinchai Bhavan, Alto Porvorim-Goa.
- 2. The Superintending Engineer, Circle I, W.R.D, Sinchai Bhavan, Alto Porvorim-Goa.
- 3. The Executive Engineer, Works Division-VL WRD, Bicholim Goa.



### <u>Annexure V</u> <u>Mitigation measures</u>

### Baghouse systems



Windshields along the boundaries



Windshields with top sprinklers



#### Fogging systems



Rain guns and fog cannon



**Closed conveyors** 



#### **Covering transportation trucks**



Speed limit board

Wheel wash system at exit



Road sweeping machine



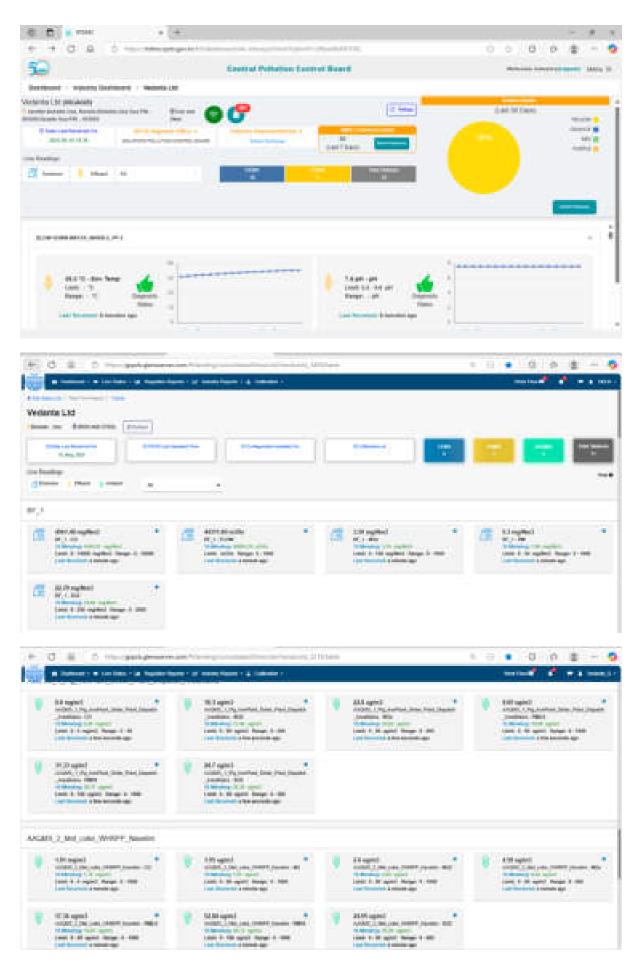
#### Closed raw material shed



#### Green belt developed



CEMS and CAAQMS connected to GSPCB and CPCB



## <u>Annexure VI</u> <u>Green belt developed along the boundaries and windshield</u>



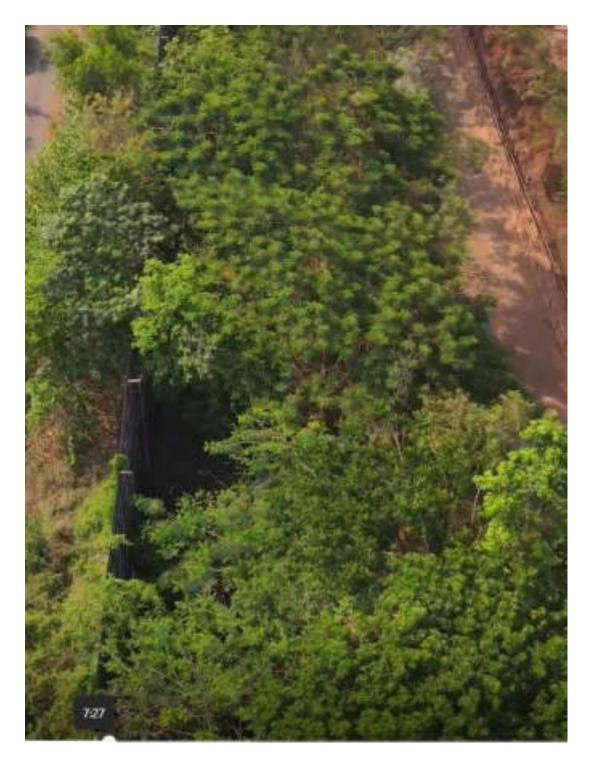




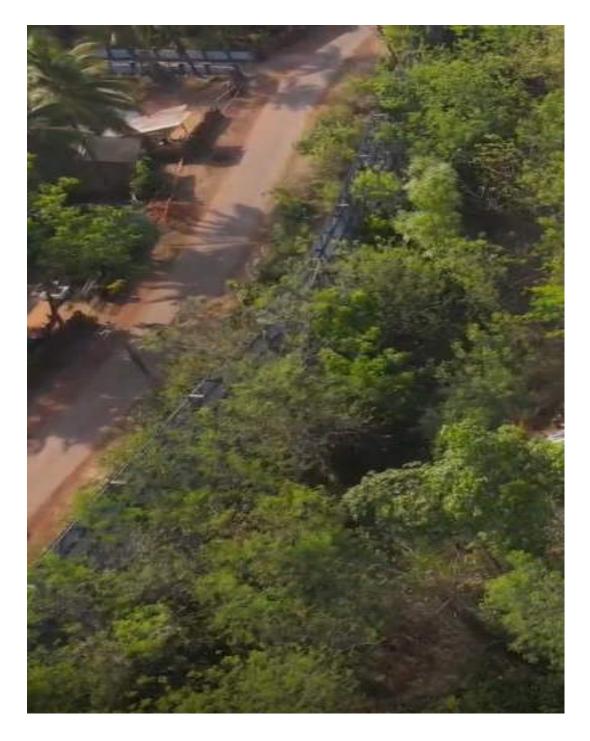








# Developed green belt and windshield along the boundaries



Developed green belt and windshield along the boundaries



Developed green belt and windshield along the boundaries



# <u>Annexure VII</u> <u>Purchase order issued for CER</u>

# **SNAPSHOT OF PURCHASE ORDER ISSUED FOR CER**

| S                                  | PURCHASE OF  | RDER   |
|------------------------------------|--|--|
| 斄 vede                             | anta   | Face : 1 of 10                                     |
| På Husber                          | 4920075872   |  |
| PO Date                            | 1 06.02.2025   |  |
| Vendor Code                        | 1 733027   |  |
| Perdor Name                        | · Vanarai  |  |
| Vendor Address                     | INITEA MANDAL CHONE<br>Aditys Basidency<br>Pervati<br>FINE - Maharashtra, 411009<br>India. | DELIVERY DATE, SEE NELON<br>NO. RESERVE THE RECOV  |
| four Beference                     | 1. + 1   | ALTECT THE MATERIAL DUPPLIES                       |
| Dur Heference                      | E. 4990077243  | PRILIVERS DATE SPECIFIED IN<br>TRUE PERCEASE CROSS |
| PO Carrency                        | iIndian Rupee  |  |
| PO Validity                        | 106.02.2025 10 31.03.2026  |  |
| Delivery Place/<br>Billing Address | INAVELIN - ANONA MARCEL Gos 40310  | e eneri  |
| ATTING VORLAND                     | TRAVELLER - ARUSA MARCEL WOR 40310   |  |

PURCHASE ORDER

| le, | Ites code  | Plant.             | 1308    | Barg. Qty     | Bate         | Value             |
|-----|--|--------------------|---------|---------------|--------------|-------------------|
| ю,  | Specification  | 2222               | S) (342 | 2012/01/6/201 |              | and second States |
| 1   | Project Grannizman Shawe<br>2 - CSR<br>NHORDEDICA  | PTP5.              | NI      | 1.009         | 7,053.009.90 | 7,053,090.00      |
|     | Bervices for CER activities<br>including supply of necessary<br>materials as<br>per requirement of VOCB<br>Bustainable Apricultural<br>Development<br>sycliscopy   |                    | ш       | 1.989         | 3,946,000.00 | 3,666,000.00      |
|     | Project exception consultant<br>including scheduling, monito<br>the w<br>ork, site supervision, quali-<br>checks, billing, op-ordinati-<br>review<br>and feedback etc.<br>Salary of Project Coordinato<br>stollators | 12.04<br>19<br>28. | NCIII   | 12.920        | 35,010.00    | 420,000.00        |
| 9   | Project management consultant<br>including achaduling, menito  |                    | HONE    | 12.008        | 38,000.00    | 336,000.00        |

# <u>Annexure VIII</u> <u>Activities carried out as per approved wildlife management plan</u>



sesa goa iron ore

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 I<sup>II</sup> Lift,4<sup>th</sup> Floor,Junta House, Panaji-403 001 Goa

Sub: - Wildlife Conservation Plan for obtaining Environmental Clearance

Reference:

 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

Santesh S irðetai CEO- Villue Added Business

12/2022

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

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## GOVERNMENT OF GOA OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS WILDLIFE & ECO- TOURISM (NORTH) DIVISION 1<sup>ST</sup> LIFT, 4<sup>TH</sup> 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.

manue

(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 1<sup>st</sup> LIFT, 4<sup>su</sup> FLOOR, JUNTA HOUSE, PANAJI - 403 001 (GOA) Phone: 0832-2229701/ E mail: dcfwinorth-forest.goa@mic.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 Cands & 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)





sesa goa iron ore

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 It Lift,4th Floor,Junta House, Panaji-403 001 Goa

Sub: - Implementation of approved Wildlife Conservation Plan

Reference:

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>5.No</u> - | Details   | Value in<br>Rupees |
|---------------|---|--------------------|
| 1.            | SML ISUZU<br>Cabin Chassis Prestige 4WD on 3365 Wheel Base<br>With Power Steering BS VI | 19,64,844.00       |
| 2,            | GST @ 28%   | 5,50,156.00        |
|               | Total   | 25,15,000.00       |
|               | and Conditions :<br>TCS @ 1% extra on above offered price.                              |                    |
|               | 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 Gua Ison Ore: Sesa Obas, 20 EDC Complex, Paris, Parijan, Gua - 403 001, India 1 -18 16 (2 2 Julianti): Website: www.sesagoan.none.com

94-210/2023 Despatch Clerk O/o The Dy. Conservator of Foresta Wildlife & Eco-Tourism (North) Panati - Goa

Fighteend/Office Visional Listena, Versing, Unit 1977, Corporate Avenue, And Projects, Clinkals, Andhou (Unit, Marshar 2000)), Maharadara C01 113209101056910294294





#### 2. Vehicle Fabrication Charges

| S.No. | Details   | Value in Rupees |
|-------|---|-----------------|
| 1.    | <ul> <li>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.</li> <li>Features : <ul> <li>a. Animal Cabin area with improved insulation for better cooling.</li> <li>b. Overhead Luggage carrier with equipment box.</li> <li>c. Ladder for easy access to top of the cabin.</li> <li>d. Foldable seats for 4 persons with steel frame and improved cushioning.</li> <li>e. Stainless Steel Wash basin with Tap.</li> <li>f. Overhead Water tank of 60 Litre capacity.</li> <li>g. Refrigerator for medicine supplies and ice packs.</li> <li>h. Stainless Steel Counter Top with cupboard for supplies and equipment.</li> <li>i. Water Spray nozzle for humidity control inside cabin.</li> <li>j. 1.5 Ton Air conditioner unit for extra cooling inside the cabin.</li> <li>k. Positive locking of cage on floor to avoid jumping of cage during movements.</li> </ul> </li> <li>Extra strengthening with 6 angle sections for the floor of cabin.</li> <li>m. One tower bolt in the tool box with Emergency gate.</li> <li>n. Fully automatic Cage retrieval mechanism along with automatic door closing.</li> <li>o. Top mounted rear CCTV Camera with display unit near driver.</li> <li>p. Flood light facility for rear loading door.</li> </ul> | 17,26,000.00    |
| 2.    | GST @ 18%   | 3,10,680.00     |
| 241   | Total   | 20,35,680.00    |

Terms and Conditions :

- 1. Delivery of completed vehicle as per above specs shall be 8-12 weeks from date of receipt of 4WD Cabin Chassis.
- 2. TCS @ 1 % extra on above price.
- 3. 50% payment advance along with Purchase Order.
- 4. Balance payment after delivery and sign off of fully fabricated vehicle.
- 5. Delivery charges of Rs. 45,000/- at site in Goa.
- 6. Offer valid for 60 days from date of quotation.
- 7. Colour scheme to be finalized at the time of delivery.
- 8. Promotion signages shall be in the form of Stickers and payable at actuals.
- 9. 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

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Praylend Office: Vedora Lorend, Tel Floor, "C" user, Unit 103, Corporate Alerent, And Property, Chekala, Andhur of ant, Manthia 404003, Maturaliera,

CIVERSON REPART OF CHER



# sesa goa iron ore

- 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 :   |                 |  |  |
| <ol> <li>7'4" (L) X 3'2" (B) X 3'7" (H)</li> <li>Floor 2 mm MS Chequered Plate</li> <li>Side Sheet 1.6 mm</li> <li>Two Ventilator and one sliding door.</li> <li>MS Bars of 16 mm</li> <li>Industry quality Hard PVC Wheels.</li> </ol> | 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 mited

Saptesb Sardesai CEO Value Added Business & Sesa Cement Vedanta Ltd

VEDANTA LIMITED Sees Goa Loor Ore. Sees Gloc. 20 IER' Complex. Patter. Pargon, Goa - 403-008, India 3 - 94 4632 Tassient : Walvate: www.acceptationene.com

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

Phone: 0832-2229701/ Fax: 0832-2422864

E mail: defninorth-forest.ganicaic.in \*\*\*\*\*\*

No. 1-576-WL&ET(N)/2023-2024/2-82-0

Dated: - 03 /11/2023 Kartika 1-, 1945

PL do the quarter JANONA 60 To The CEO Value Added Business & Sesa Cemer 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 thereop and the same has been approved.

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

Yours faithfully,

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

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RE: Rescue Van Drawing Approval

| 0         | h Kutowika<br>SCHONest<br>Evolute Kutowika (Univer Hutowywa II) lapitet Janiera<br>Manta Juanta |  |
|-----------|---|--|
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| 84.       |   |  |

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| 50 | Rogativanosti  | Type .  | Resards from Malerey  |
|----|--|---|---|
| 1  | Provision for storing M-loss nets<br>used to unional restores there will<br>be three sets of such of three dat<br>freeds tomassion treighting along<br>100 kg    | Decays can be<br>Damanck type office<br>for oute of record too. | Der sach permission can be<br>incorporated an film missi-<br>ture.  |
|    | Prevenue for starting First Aut<br>Deci, "Attributy and Fernand for<br>the bases new Tarits for our or<br>67 etc. 5-40 on 5-40 on our                            |   | The east object on its<br>option at of read or PL<br>and will be began acade<br>the body the user of acteur<br>hans |
| 3. | Collapsible racks three tier on<br>sideways for storing Rescue<br>equipment like restrain poles ,y<br>tongs, jab sticks etc.                                     |   | Will require the<br>dimensions of the equip-<br>ment which is needed to be<br>kept in the vehicle.                  |
| 4. | Extra height luggage carrier on<br>top to be used as Machan or raise<br>platform for darting problematic<br>animal from safe location.                           | Metallic type   | Included in fabrication for<br>Point 6.   |
| 5. | Proper drain for inside of crate<br>in rescue van for draining urine<br>and washing inside of crate. With<br>10 litre plastic or fibre collection<br>bin.        | PVC type with Attached<br>barrel for collection bin             |   |
| 6. | Crate ceiling top surface to be<br>flat and reinforced from bottom<br>so as to allow staff to stand or sit<br>on top of roof of vehicle while<br>darting animal. | forcement from bottom   |   |



HIGH SOLL INDUA

#### GOVERNMENT OF GOA OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS WILDLIFE & ECOTOURISM (NORTH) DIVISION 1<sup>ST</sup> LIFT, 4<sup>TH</sup> FLOOR, JUNTA HOUSE, PANAJI – 403 001 (GOA)

the state of the state of the state of

Ehone: 0832-2229701/ Fax: 0832-2422864 E-mail: <u>dcfwlnorth-forest.gaa@nic.in</u>

No. 1-576/WL&ET(N)/2023-2024/46244

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Dated: - 274 /02/2024 Phalguna & , 1945

To, Smt. Prachi Zarmekar, Associate Officer, Environment Department Vedanta Limited, Village Amona/Navelim, Bicholim-Goa.

### Sub: Rescue Van drawing Approval -Reg... Ref: Your letter email dated 23.02.2024.

Madam,

With reference to the above cited subject and referred email, it is to inform that drawing and proposed layout of the vehicle body along with the suggestions for providing extra utility for rescue van has been approved by the Forest Department.

Therefore, I am request you to take up the work of rescue van as early as possible.

Submitted for necessary action please.

Yours faithfully,

3116.0

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

"ATMANIRBHAR BHARAT" "SWAYAMPURNA GOA"



## sesa goa iron ore

#### 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 I<sup>st</sup> Lift,4<sup>th</sup> Floor, Junta House, Panaji-403 001 Goa

Sub: Implementation of approved Wildlife Conservation Plan

#### Reference:

- Approved Wild life conservation plan (WLCP) vide letter no.1-576(PART)WL&ET(N)/2021-2022/554 dated 28/05/2021
- 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
- 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<br>per WLCP | Plan of operations   | Cost     | Date of handover | Remarks  |
|----------------------|--|----------|------------------|--|
| 1                    | Establishment of<br>water holes for<br>wildlife in the<br>buffer area FY 22-<br>23,23-24 | 8,00,000 | 10/07/2024       | Amount credited to vendor<br>Hajrat Ali Nanesab Badgi<br>RTGS Dr-BARBOPONDAX-<br>Hajrat Ali Nanesab Badgi-<br>C8x Internet-<br>HDFCR52024071073842346-<br>C76718100724104759 |

VEDANTA LIMPTED Volve Addref Basimens, Pig Ixos Dovision, America, PG Manuela, Gon-403-107 T +61-822 641 (2164) (7 +41-832 238 5735 388 (Web: acym.americalionore.com Despatch Clerk Olo The Dy. Conservator of Forests Weakle & Eco-Touristre (North)

Registered Office: Vedera Limited, 1st Picer, "C" wing, Unit 102, Corporate Averag, And Propility, Chalada, Andrew Harry, Millard, Willard, and an Clin L. Lingwitter (March 2017), 215 (1981)



# sesa goa iron ore

| 2 | Providing rescue<br>van to Forest<br>department  | 4,670,000   | 05/07/2024 | Rescue van along with<br>rescue cage handed over to<br>Forest department   |
|---|--|-------------|------------|--|
| з | Providing rescue<br>cages and rescue<br>equipment's to the<br>forest department  |             |            |  |
| 6 | Financial support<br>to the department<br>for celebrating<br>wildlife week and<br>sponsoring the<br>prizes for the<br>competitions | 3,00,000    | 03/07/2024 | NEFT - FDRL0001352 -<br>C77205020724142929 -<br>13520200007161 - SMC<br>EVENTS<br>NEFT - FDRL0001352 -<br>C77206020724142930 -<br>13520200007146 - MECH<br>TECH EVENTS |
|   | Total amount   | 57,70,000/- |            | 1000   |

We request your good office to kindly acknowledge the same.

Thanking you,

Yours faithfully, For-Vedanta Limited – Value Addition Business

102A ONP. 10 Saptest Sardesai

CEO Value added Business & Cement

VEDANTA LIMITED Value Added Bastern, Fig. Int. Division, Almont, FO Manufa, Gou-403 107 T +10-432 641 2061 (F +01-833 218 1219 208 1 Web: serve Annactational Asia

Instantial Office: Volumi Linnissi, Int Plote, 'C' wing, Unit 1937, Corporate Avenue, And Projecto, Chalanta, Andhori (East), Mantas 400010, Matamaticoa, India CDV, L13209040125539LC2042394

# <u>Annexure IX</u> <u>Archaeological sites monitoring reports</u>





IN BUILDING THE SOUTH

### SHREEJI AQUA TREATMENT PVT. LTD.

Accessible University Selections Device One Note? Accessibled by NABL as per ISO/IEC 17925/2017 Centified by ISO 9001-2015, ISO 14001-2015 & ISO 45001-2018 Recognized by Ministery of Environment, Perest & Climate Change (MeEPCC), Gave, of India, New Delivi

· ENVIRONMENT · FOOD · ANIMAL FOOD & FEED · MICROBIOLOGY



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

|            |                                     |                  | TEST RE             | PORT   |                                      |  |  |
|------------|-------------------------------------|------------------|---------------------|--|--------------------------------------|--|--|
| Lab Ir     | ward No. : SL/24-25/10/MAA,         | /99M             | Dat                 | Date of Sampling: 21-22/10/2024              |                                      |  |  |
|            | lient Name :                        |                  |                     | rt of analysis: 2                            | 2/10/2024                            |  |  |
| M/s_1      | VEDANTA LIMITED                     |                  | Eng                 | of Analysis: 25                              | 5/10/2024                            |  |  |
|            | E ADDITION BUSINESS, AMONA          | AND NAVELIN      | A, Re;              | port Date: 26/1                              | 0/2024                               |  |  |
| BICHO      | DLIM – GOA.                         |                  | Sar                 | nple Drawn By:                               | SATPL Representative on 21-22/10/202 |  |  |
| Order      | r / Reference: As per TRF dated     | 21/10/2024       |                     |  |                                      |  |  |
| Moni       | toring For : Ambient Air Monit      | oring            |                     |  |                                      |  |  |
| Samp       | ling Procedure : As per 15 5182     | 199              |                     |  |                                      |  |  |
| Limit      | s: *N.A.A.Q.SNational Ambie         | nt Air Quality   | Standards.          |  |                                      |  |  |
| Samp       | ling Location : Near Siddhartha     | Caves, Surla ,(N | 15 * 29'59.82       | 972" E74" 01'30.0                            | 3162"3                               |  |  |
| Laten      | al Distance : 10.0 meter            |                  |                     | Duration : 24 Hrs.                           |                                      |  |  |
| Roces      | ptor Height : 3,0 meter             |                  |                     | Time : 11:40 am to 11:40 am                  |                                      |  |  |
| Relati     | ive humidity (%): 88                |                  |                     | Ambient Temperature [ <sup>0</sup> C ]: 28.0 |                                      |  |  |
|            |                                     |                  | RESULT              | 5  |                                      |  |  |
| Sr.<br>No. | Parameters                          | Results          | Limits              | Unit   | Reference Method                     |  |  |
| 1          | Sulphur Dioxide (SO <sub>2</sub> )  | 8.46             | <80.0               | µg/m <sup>1</sup>                            | IS 5182(Part-2)2001 R2022            |  |  |
| 2          | Nitrogen Dioxide (ND <sub>2</sub> ) | 12.65            | <80.0               | µg/m <sup>3</sup>                            | 15 5182(Part-6)2006 R2022            |  |  |
| 3          | Particulate Matter PM10             | 49.12            | <100.0              | µg/m <sup>1</sup>                            | 15 5182 (Part 23)2006 82022          |  |  |
| 4.         | Particulate Matter PM25             | 24.12            | <60.0               | µg/m <sup>4</sup>                            | 15.5182 (Part 24)2019                |  |  |
| 5          | Ozone (O <sub>3</sub> )             | <20.0            | <180.0<br>For 1 Hrs | µg/m³  | IS 5182(Part 9):02019                |  |  |
| 6          | Ammonia (NH <sub>1</sub> )          | <14.0            | <400.0              | ug/m <sup>1</sup>                            | 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' Review By, For Shreeji Aqua Treatment PvLLtd.

Sr.Analyst

BEA the second states 108-411519

**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

Pane: Flot No. 6-24, H Block, Lal Topi Nagar, Moreward, MICC, Pimpri-Chinchwad, Maharashtra 411018. Labi: MALShreeji Terrace Apt. Plot No. 53, Purna Ragar, Chikhall, Pune: 411019 Vadadara: Plot No.1, Shah Ind. Park-1, Vadodara-Savli, Lamdaputa. 941.775 Dist. Vadodra Castomer Care No.1 +918325347365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

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#### || Shreeji ||



## SHREEJI AQUA TREATMENT PVT. LTD.

According by NAM, as per ISB/IEC 1/425-3617

Centified by ISO 9001/2015, ISO 14001/2015 & SD 45001/2018

Recognized by Ministry of Environment, Ferent & Climate Change (NetHCC), Gev., of India, New Delhi

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Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 33/06/2026.

|                                  |  | A THE AND IN THE AND A THE |   | FEST REPORT                     |                       |                                    |                              |                        |
|----------------------------------|--|--|---|---------------------------------|-----------------------|------------------------------------|------------------------------|------------------------|
| Lab I                            | nward No. : SL   | /24-25/10/MAA/99M  |   | Date of !                       | Sampling              | p 21-22/10/2024                    |                              | -                      |
|                                  | it Name :  |  |   | Start of                        | analysis:             | 22/10/2024                         |                              |                        |
| M/s.                             | VEDANTA LIN  | ITED   |   | End of A                        | nalysis; i            | 25/10/2024                         |                              |                        |
|                                  | ALUE ADDITION BUSINESS, AMONA AND NAVELIM, BICHOLIM -  |  |   |                                 | hate: 26/             | 10/2024                            |                              |                        |
| 70A                              |  |  |   |                                 | Drawn Br              | y: SATPL Representat               | ive on 21-22                 | /10/2024               |
| Orel                             | er / Referen   | e: As per TRF dated 2  | 1/10/2024   |                                 |                       |                                    |                              |                        |
| and sector sector                | den kalan dapat dari dan semanan berahasa dari ber   | Ambient Air Monitori   | d all pairs if the last is the close of an end of the last is a second s |                                 | _                     |                                    |                              |                        |
| and the second second            | the second state of the se | e : As per 15 5182.  |   |                                 |                       |                                    |                              |                        |
|                                  |  | -National Ambient Air Qu   | ality Standards.  |                                 |                       |                                    |                              |                        |
| iam)                             | pling Locatio  | m : Near Siddhartha Ca   | ves; Soria "(N15 * 2  | 9'59.82972" El                  | M <sup>*</sup> 01'30. | 0162"                              |                              |                        |
| ates                             | al Distance : 1  | 0.0 meter  | 1   |                                 | Duratio               | an ; 24 Hrs.                       |                              |                        |
| lece                             | ptor Height : 3  | ,0 meter   |   |                                 | Time :                | 11:40 am to 11:40 a                | m                            |                        |
| Rela                             | tive humidity  | (%): 88  |   | entra er                        | Ambie                 | nt Temperature [ <sup>0</sup> C ]: | 28.0                         |                        |
| _                                | 1999-1990 (m   | 2000 march 1   |   | IESULTS                         | d 1930/010            | The second second second second    |                              |                        |
| Sr.<br>No. Parameters 8          |  | Results  | Limits  | Unit                            | Refe                  | Reference Method                   |                              |                        |
| 7                                | Carbon Mun   | axide (CO)   | 0.56  | c4.0 for 1 Hrs                  | mg/m                  | 3 IS 5582(P)                       | i5 5182(Pwrt-10):1999 82019  |                        |
| 8                                | Lead as (Pb)   |  | <0.01   | <1.0                            | ug/mi                 | B (5.5182(P)                       | IS 5182(Part-22)(2004-8201)  |                        |
| 9                                | Benzene (C <sub>a</sub> )  | ф  | <0.1  | <5.0**                          | µg/m                  | 1 15 5182 (P                       | 15 5182 (Part 11):2006 82022 |                        |
| 10                               | Benzio(a)Pyr   | one (BaP)  | -00.1   | <1/0**                          | ng/må                 | 15 5182 (P)                        | 15 5182 (Part 12):2004 R2019 |                        |
| 11                               | Arsenic (As)   |  | <5.0  | o5.0**                          | ng/m3                 | 2 CPCB Guide                       | CPCB Guideline volume-1:2012 |                        |
| 12                               | Nickel (Ni)  |  | <6.0  | <20.0**                         | ng/m3                 | 15 5187(Part 26):2020              |                              |                        |
| ** Al                            | initial arithmet<br>fourly Value   | to above mentioned moni<br>is mean of minimum 104 r<br>from is supplied by custom<br>SOLIPM  | neasonements in a   | rear at a partic.<br>talle font |                       |                                    | rly at uniform               | internala.             |
|                                  |  |  |   |                                 |                       |                                    | Calibrasi                    |                        |
|                                  | Tr. No.  | Equiume  | nthaine   | Equip                           | pmant ID              | Certificatella.                    | Calibrated<br>Date           | Calibratio<br>Oue Date |
|                                  |  | Arobiert Ale   |   | 54TP1/00                        | A 100 100 100 100     | ASPM/2023-24/205-12                | 18.00.3028                   | 18.00.202              |
|                                  |  | Andrient Air   |   | SATPL/M                         | 17,1645/111           | ASPM/2023-240205-12                | 19-09-3094                   | 10.00.202              |
| _                                |  | Anthert Air  | Sampler-li  | SATPL/M                         | R/AAS/34              | ASFM(2023-34/705-13                | 18.03.2024                   | 18,03,362              |
| 55527 Diettal Electronic Ratance |  | Digital Electronic Italance<br>Digital Spectrophotometer I   |   |                                 | V0/41                 | ACS/456/CM 30/230073               | 19.01.1024                   | 18.04.200              |
| _                                | - NA -   |  | and the second se   |                                 | 16/94                 |                                    |                              | e Celleration          |

CHERCHARD 104-41101

Quality Manager Authorized Signatory

End of Text Report-

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Page 2 oF 2

Flot No. 8-24, H Block, Lal Topi Nagar, Misrewardi, NRDC, Pirrpsi Chindhward, Maharashtra 411018. Partic Lide: 184,Shreeji Terrace Apt. Plot No. 53, Punta Nagar, Otlihali, Punte: 411019 Vadodara: Plot No.1, Shah Intl. Park-1, Vadodata-SavE Lamdopura, 291 775 Dist. Vadodia Curtomer Care No.: +010725347565 Email: Info@streejiaqua.com Web: sowe.shreejiaqua.com

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Sr.Analyst.





Accredited by NABL as per ISG/EC 17925-2017 Accredited by NABL as per ISG/EC 17925-2017 Certified by ISO 1001-2015, ISO 14031-2015 & ISO 49081-2018

Recognized by Ministry of Environment, Potest & Climate Charge (MoEFCC), Govt. of India, New Dails)



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 ULR NO: TC138772400010728F

| -                     |  | 100               | TEST REP            |                                 |                                     |  |  |  |
|-----------------------|--|-------------------|---------------------|---------------------------------|-------------------------------------|--|--|--|
| Lab In                | ward No. : \$L/24-25/10/MAA/                                       | 991               | Date                | Date of Sampling: 21-22/10/2024 |                                     |  |  |  |
|                       | Name :   |                   | Start               | of analysis: 22/                | 10/2024                             |  |  |  |
| M/s.1                 | //s. VEDANTA LIMITED<br>ALUE ADDITION BUSINESS, AMONA AND NAVELIM, |                   |                     | of Analysis: 25/1               | 0/2024                              |  |  |  |
|                       |  |                   |                     | ort Date: 26/10/                | 2024                                |  |  |  |
| вюнс                  | HIM - GOA.   |                   | Sam                 | ple Drawn By: 5/                | ATPL Representative on 21-22/10/202 |  |  |  |
| Order                 | / Reference: As per TRF dated                                      | 21/10/2024        |                     |                                 |                                     |  |  |  |
| Monk                  | toring For: Ambient Air Monito                                     | oring             |                     |                                 |                                     |  |  |  |
| and the second second | ling Procedure: As per IS 5182                                     |                   | _                   |                                 |                                     |  |  |  |
| Umiti                 | * *N.A.A.Q.SNational Ambier  | it Air Quality S  | tandards.           |                                 | Z                                   |  |  |  |
| Samp                  | ling Location: Near Mosque, Sur                                    | la (N15 * 29'51.6 | 7104" 874" 015      | 7.04532")                       |                                     |  |  |  |
| Laters                | al Distance: 10.0 meter  |                   |                     | Duration: 24 H                  | es.                                 |  |  |  |
| Recep                 | stor Height: 3.0 meter   |                   |                     | Time : 11:30 a                  | m to 11:30 am                       |  |  |  |
| Relati                | ve humidity [%]: 89  |                   |                     | Amblent Temp                    | erature (°C ): 28:0                 |  |  |  |
| and the second second |  |                   | RESULTS             |                                 |                                     |  |  |  |
| Sr.<br>No.            | Parameters   | Results           | Limits              | Unit                            | Reference Method                    |  |  |  |
| 1                     | Sulphur Dioxide (SO <sub>2</sub> )                                 | 9.77              | <80.0               | µg/m <sup>8</sup>               | 15 5182(Part-2)2001 R2022           |  |  |  |
| 2                     | Nitrogen Dioxide (NO <sub>2</sub> )                                | 12.23             | <80.0               | µg/m <sup>3</sup>               | IS 5182(Part-6)2006 R2022           |  |  |  |
| 3                     | Particulate Matter PM <sub>10</sub>                                | 51.89             | <100.0              | µg/m <sup>3</sup>               | IS 5182 (Part 23)2006 R2022         |  |  |  |
| 4                     | Particulate Matter PM28  | 24.12             | <60.0               | µg/m <sup>®</sup>               | IS 5182 (Part 24)2019               |  |  |  |
| 5                     | Ozone (O <sub>1</sub> )  | <20.0             | <180.0 For<br>1 Hrs | µg/m <sup>8</sup>               | IS 5182(Part 9):R2019               |  |  |  |
| 6                     | Ammonia (NH1)  | <14.0             | <400.0              | µg/m³                           | IS 5182(Part-25):R2018              |  |  |  |

uniform intervals.

Hourly Value

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Se. Analyst



**Quiltity 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 Nepat, Maneread, MESC, Pimpin Chinchwart, Maharashtra 411018.

Lab: 184, Simmil Terrace Apr. Flot No. 53, Farma Nagar, Chikhall, Parse: 411019

Vadadane: Flot No.1, Shah Ind. Park-1, Vadadara-Savil, Lamdapura. 391 775 Dist. Vadadra

Castomer Care No.: +919225247365 Email: infogritree/jaqua.com Web: www.shree/jaqua.com

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#### Shreeji |



## SHREEJI AQUA TREATMENT PVT. LTD.

Accessingly NASL as per SORIC 17625/2017 Centred by ISO 9001/2015, ISO 14881 2015 & ISO 45881/2018 Recognized by Ministry of Exelorement, Forest & Climate Change (MoDFCC), Gent, of India, New Delhy

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TEST REPORT

| Lab Inward No. : SL/24-25/10/MAA/99L                                | Date of Sampling: 21-22/10/2024                        |  |  |  |
|---|--|--|--|--|
| Client Name :   | Start of analysis: 22/10/2024                          |  |  |  |
| M/s. VEDANTA LIMITED<br>VALUE ADDITION BUSINESS, AMONA AND NAVELIM, | End of Analysis: 25/10/2024<br>Report Date: 26/10/2024 |  |  |  |
|   |  |  |  |  |
| Order / Reference: As per TRF dated 21/10/2024                      |  |  |  |  |
| Monitoring For : Ambient Air Monitoring                             |  |  |  |  |

Sampling Procedure : As per 15 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

Receptor Height : 3.0 meter

Relative humidity [%]: 89

#### RESULTS

Duration: 24 Hrs.

Time : 11:30 am to 11:30 am

Ambient Temperature [ C ]: 28.0

| Sr.<br>Nø, | Parameters                               | Results | Limits         | Unit               | Reference Method               |
|------------|--|---------|----------------|--------------------|--------------------------------|
| 7          | Carbon Monocide (CO)                     | 6.63    | <4.0 for 1 Hrs | mg/m3              | /5 5182(Part-10):1999 82019    |
| 4          | Load as (Pb)                             | <0.01   | <1.0           | ug/m <sup>3</sup>  | 15 5583(Part-22):2004 82019    |
| 9          | Benzene (C <sub>2</sub> H <sub>4</sub> ) | -<0.1   | <5.0**         | jug/m <sup>3</sup> | IS \$182 (Part 11):2006 P.2022 |
| 10         | Benzo(a)Pyrene (BaP)                     | <0.1    | <1.0**         | ng/m <sup>b</sup>  | 15 5182 (Part 12):2004 R2019   |
| 11         | Arsenic (As)                             | -<5.0   | <6.0**         | ng/m <sup>8</sup>  | CPC8 Guideline volume-1:2012   |
| 12         | Nickel (Ni)                              | <6.0    | <20.0**        | ng/m <sup>2</sup>  | (5.5382(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

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EQUIPMENT CALIBRATION DETAILS

| Sr. No. | EquipmentName             | Equipment ID     | CertificateNa.          | Calibration Detail   |                         |  |
|---------|---------------------------|------------------|-------------------------|----------------------|-------------------------|--|
|         | erensika relationet       |                  |                         | Californited<br>Date | Calibration<br>Due Date |  |
|         | Ambient Air Saimpler-6    | SATPL/AIR/AA5/34 | ASRM/2023-34/205-12     | 19.03.2024           | 18.03.3025              |  |
|         | Ambient Air Sempler-&     | SATPL/AR/AAS/34  | ASPM/2023-24/205-12     | 19.03.3524           | 18-03-2025              |  |
|         | Amblent Air Sampler &     | SATPL/AR/AAS/34  | ASPM/2023-24/205-12     | 15.03.2024           | 18-03-3025              |  |
| 55627   | Digital Dectronic Balance | SL/SM8/43        | ACS/456/CM<br>30/230072 | 29.03.2024           | 38.03.3025              |  |
| MA.     | Digital Spectrophotometer | SI/04/34         |                         | 10/100               | se Calibration          |  |

Review By,

Sr.Analyst



End of Test Report

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Panet – Iffict No. 31-34, H Block, Lai Topt Nagat, Norewald, MDC, Perpei-Chinchwod, Maharashtra 411018. Lafa: – TAA,Shreed Terrace Apt, Plot.No. 52, Purna Nagar, Chilhall, Pune, 411019

Vadodana: Plot No.1, Shah Imit, Park-1, Vadodara-Sevil, Lamdaeura, 395 775 Dist, Vadoda

Centomer Care No.2 + 019725247355 Email: info@stroejaqua.com Web: www.stroejaqua.com

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For Shreeji Aqua Treatment Pvt.Ltd.

ality Manager

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Page 2.012.7



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Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NAIII, Valid Up to 13/06/2026. ULR NO: TC138772400011224F

|                       |  |                                 | TEST RE             | PORT                            |   |  |  |  |
|-----------------------|--|---------------------------------|---------------------|---------------------------------|---|--|--|--|
| Lab Ir                | ward No. : SL/24-25/11/MAA,                | /140L                           | Dat                 | Date of Sampling: 21-22/11/2024 |   |  |  |  |
|                       | Name :                                     |                                 | Sta                 | rt of analys                    | is: 22/11/2024                            |  |  |  |
| M/1.1                 | VEDANTA LIMITED                            |                                 | End                 | of Analysi                      | s: 26/11/2024                             |  |  |  |
|                       | ALUE ADDITION BUSINESS, AMONA AND NAVELIM, |                                 |                     | oort Date: 2                    | 11/2024                                   |  |  |  |
| вісно                 | JUM – GOA.                                 |                                 | Sar                 | nple Drawr                      | By: SATPL Representative on 21-22/11/2024 |  |  |  |
| Order                 | / Reference: As per TRF dated              | 12/11/2024                      |                     |                                 |   |  |  |  |
| Monii                 | toring For : Ambient Air Monit             | oring                           |                     |                                 |   |  |  |  |
| and the second second | ling Procedure : As per IS 5182            |                                 |                     |                                 |   |  |  |  |
|                       | 1: "N.A.A.Q.SNational Ambie                | a construction of the second be |                     |                                 |   |  |  |  |
| Samp                  | fing Location 1 Near Siddhartha            | Caves, Surla "(N                | 15 * 29'59.82       | 972° E74 <sup>4</sup> 01        | (30.0163")                                |  |  |  |
| Laten                 | al Distance : 10.0 meter                   |                                 | Duration            | : 24 Hrs.                       |   |  |  |  |
| Recep                 | stor Height : 3.0 meter                    |                                 |                     | Time : 11                       | :30 am to 11:30 am                        |  |  |  |
| Relati                | ve humidity (%): 72                        |                                 |                     | Amblent 1                       | Temperature ( <sup>0</sup> C ): 29.0      |  |  |  |
|                       |  | 151                             | RESULT              | s                               |   |  |  |  |
| Sr.<br>No.            | Parameters                                 | Results                         | Limits              | Unit                            | Reference Method                          |  |  |  |
| 1                     | Sulphur Dioxide (SO3)                      | 10.42                           | <80.0               | µg/m <sup>3</sup>               | 15 5182(Part-2)2001 R2022                 |  |  |  |
| 2                     | Nitrogen Dioxide (ND <sub>2</sub> )        | 16.22                           | <80.0               | µg/m <sup>3</sup>               | 15 5182(Part-6)2006 R2022                 |  |  |  |
| 3                     | Particulate Matter PM <sub>10</sub>        | 52.86                           | <100.0              | µg/m <sup>3</sup>               | - 15 5182 (Part 23)2006 82022             |  |  |  |
| 4                     | Particulate Matter PM2.5                   | 25.37                           | <60.0               | µg/m <sup>a</sup>               | IS 5182 (Part 24)2019                     |  |  |  |
| 5                     | Ozone (O <sub>3</sub> )                    | <20.0                           | <180.0<br>For 1 Hrs | µg/m <sup>3</sup>               | 15 5182[Part-9]:R2019                     |  |  |  |
| 6                     | Ammonia (NH.)                              | <14.0                           | <400.0              | µg/m <sup>1</sup>               | 15 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

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Review By.

Sr.Analyst



For Shreeji Aqua Treatment Pvt.1td.

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

Panes Plut No. 3-24, H Block, Lal Topi Nagat, Morewadi, WIOC, Pimpri-Chinchwad, Mahanashtra 411018. 184.5hreeji Terrace Apt. Plot No. 53, Punta Nagar, Chikhak, Pune: 411019 Lafet

Wederdana: Plot No.1, Shieh Ind. Park-1, Vadodana-Savil, Lamdapura, 391 775 Dist, Vadodna

Costomer Care No.2 + 919225247365 Email: infogs/ree/lagua.com Web: www.shree/lagua.com

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

|                  |  |  | TEST REPORT   |  |                                    |  |  |  |
|------------------|--|--|---|--|------------------------------------|--|--|--|
| Lab I            | nward No. : 5L/24-25/11/MAA/140          | L.   | Date of 5   | Date of Sampling: 21-22/11/2024              |                                    |  |  |  |
| Clien            | t Name :                                 |  | Start of a  | analysis: 22/11                              | /2024                              |  |  |  |
| W/h.             | VEDANTA LIMITED                          |  | End of A  | nalysis: 26/11/                              | 2024                               |  |  |  |
| Vilit            | E ADDITION BUSINESS, AMONA A             | IN NAVELINA RICHOLI  | N- Report D   | ate: 26/11/20                                | 24                                 |  |  |  |
| GOA              |  | TO PROVED IN CONTON  | and the second se |  | PL Representative on 21-22/11/202- |  |  |  |
| Orde             | er / Reference: As per TRF date          | d 12/11/2024   |   |  |                                    |  |  |  |
| ALC: NO. OF CO.  | itoring For : Ambient Air Mon            | the second s |   |  |                                    |  |  |  |
| and a lot of the | aling Procedure : As per IS 5182.        |  |   |  |                                    |  |  |  |
| (Jenk)           | s : *N.A.A.G.S. National Ambient A       | r Quality Standards  |   |  |                                    |  |  |  |
| Sam              | pling Location : Near Siddharth          | a Caves, Surla "(N15 *   | 29'59.82972" E7   | (4" 01'30.0162")                             |                                    |  |  |  |
| Later            | al Distance i 10.0 meter                 |  |   | Duration : 24                                | dry.                               |  |  |  |
| Rece             | ptor Height : 3.0 mater                  |  |   | Time : 13:30 um to 31:30 um                  |                                    |  |  |  |
| Rela             | tive humidity [%]: 72                    |  |   | Ambient Temperature [ <sup>0</sup> C ]: 29.0 |                                    |  |  |  |
|                  |  |  | RESULTS   |  |                                    |  |  |  |
| Sr.<br>No.       | Parameters                               | Results  | Limita  | Unit   | Reference Method                   |  |  |  |
| 7                | Carbon Monoxide (CO)                     | 0.52   | <4.0 for 1 Hrs.   | mg/m <sup>3</sup>                            | IS 5182(Part-10):1999 R2019        |  |  |  |
| 8                | Lead as (Pb)                             | <0.01  | <1.0  | HE/ m <sup>2</sup>                           | 15 5182(Part-22):2004 H2019        |  |  |  |
| 9                | Benzone (C <sub>0</sub> H <sub>6</sub> ) | <0.1   | <5.0**  | ug/m"  | 15 5182 (Part 11)-2006 82022       |  |  |  |
| 10               | Benza(a)Pyrene (BaP)                     | <0.1   | <1.0**  | ng/ m*                                       | 15 5182 (Part 12) 2004 82019       |  |  |  |
| 11               | Arsenic (As)                             | <5.0   | 45.0 <sup>44</sup>  | ng/ m"                                       | CPCB Guideline volume-1:2012       |  |  |  |
| 12               | Nickel (Ni)                              | <6.0   | <20.8**   | ng/ m <sup>1</sup>                           | iS S182(Part-26):2020              |  |  |  |

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

""Hourly Value

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EQUIPMENT CALIBRATION DETAILS.

|               |                                 | <ul> <li>Market and the second se</li></ul> |                       | Calibration Octal  |                          |  |
|---------------|---------------------------------|--|-----------------------|--------------------|--------------------------|--|
| Sr. No.       | EquipmentName                   | Equipment ID   | Certificate/m.        | Calibrated<br>Date | Califeration<br>Due Date |  |
| 1013 018 2021 | FINE DUST SAMPLER (PM 2.51      | LATPL/ABL/AAS/17   | ASPM/2023-24/205-14   | 19.03.2004         | 18.03,2025               |  |
| 2981 078 2021 | RDS ( PM 10 )                   | SATPS/AB/AAS/37  | ASPM/2023-24/205-14   | 19.09.2024         | 18-03-2025               |  |
| 1099-048-2021 | Genetius Attachment Sample      | SATPL/API/AAS/37   | ASPM/1021-14/201-14   | 19.03.2004         | 16.03.2025               |  |
| \$5627        | Digital Electronic Balance      | 31/54/8/41   | AC5/456/CM 36/2300711 | 10.09.2004         | 28:03.2025               |  |
| NA.           | Digital Spectrophotometer Model | SL/UV/34   |                       | Inhous             | e Calibration            |  |

GALATZ

CHARCEWING PUNE-411-11

÷.

**Review 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

Pane: Plot No. 3-24, Hillock, La Topi Nagar, Morewards, MOC, Pimpri-Chinchward, Maharashtra 817018. Lab: 184,5hwegi Yemace Apt. Plot No. 31, Puma Nagar, Chikholi, Pume 411819 Yadodaras Plot No.1, Stuh Ind. Park-1, Vadodara-Savil, Lamdapura. 291 775 Dist. Vadodra Castomer Care No.: +919225347365 Email: Inforhitrerjiaquo.com Wells www.shreejiaqua.com Shreegi Agun Is obvoys subject to Improvement for botter sustamer splitting the set forme your feedback on pume, Jabarshreejiaqua.com



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|| Shreeji ||

|                       |   |   | TEST REPO           | ST REPORT                       |                                    |  |  |  |  |
|-----------------------|---|---|---------------------|---------------------------------|------------------------------------|--|--|--|--|
| Lab Ir                | ward No. : SL/24-25/11/MAA                  | /140K                                   | Date                | Date of Sampling: 21-22/11/2024 |                                    |  |  |  |  |
|                       | Name :                                      |   | Start               | of analysis: 22/1               | 1/2024                             |  |  |  |  |
| M/s. VEDANTA LIMITED  |   |   |                     | of Analysis: 26/11              | /2024                              |  |  |  |  |
|                       | VALUE ADDITION BUSINESS, AMONA AND NAVELIM, |   |                     | rt Date: 26/11/20               | 12.4                               |  |  |  |  |
| BICHO                 | XIM - GDA.                                  |   | Samp                | le Drawn By: SA1                | PL Representative on 21-22/11/2024 |  |  |  |  |
| Ordes                 | r / Reference: As per TRF dated             | 12/11/2024                              |                     |                                 |                                    |  |  |  |  |
| Moni                  | toring For: Ambient Air Monite              | oring                                   |                     |                                 |                                    |  |  |  |  |
|                       | ding Procedure: As per 15 5182              | and the first of the state of the state |                     |                                 |                                    |  |  |  |  |
| Limits                | E: *N.A.A.Q.SNational Ambies                | nt Air Quality !                        | Standards           |                                 |                                    |  |  |  |  |
| Samp                  | ling Location: Near Mosque, Sur             | la (N15 <sup>10</sup> 29'51.4           | 57104° £74° 01'7    | 04532")                         |                                    |  |  |  |  |
| Laters                | al Distance: 10.0 meter                     |   |                     | Duration: 24 Hrs                |                                    |  |  |  |  |
| and the second second | otor Height: 3.0 meter                      |   |                     | Time : 11:35 am                 |                                    |  |  |  |  |
| Relati                | ve humidity [%]: 72                         |   |                     | Ambient Temperature [°C ]: 29.0 |                                    |  |  |  |  |
|                       |   |   | RESULTS             |                                 |                                    |  |  |  |  |
| Sr.<br>Na             | Parameters                                  | Results                                 | Limits              | Unit                            | Reference Method                   |  |  |  |  |
| 1                     | Sulphur Dioxide (50 <sub>2</sub> )          | 11.07                                   | <80.0               | µg/m <sup>3</sup>               | IS 5182(Part-2)2001 R2022          |  |  |  |  |
| 2                     | Nitrogen Dioxide (NO <sub>2</sub> )         | 15.80                                   | <80.0               | µg/m <sup>1</sup>               | IS 5182(Part-6)2006 R2022          |  |  |  |  |
| 3                     | Particulate Matter PM <sub>10</sub>         | 55.26                                   | <100.0              | µg/m <sup>3</sup>               | 15 5182 (Part 23)2006 R2022        |  |  |  |  |
| 4                     | Particulate Matter PM <sub>2.5</sub>        | 23.29                                   | <60.0               | µg/m <sup>T</sup>               | IS 5182 (Part 24)2019              |  |  |  |  |
| 5                     | Ozone (O <sub>3</sub> )                     | <20.0                                   | <180.0 For 1<br>Hrs | µg/m <sup>8</sup>               | 15 5182(Part-9):R2015              |  |  |  |  |
| 6                     | Ammonia (NH <sub>1</sub> )                  | <14.0                                   | <400.0              | µg/m <sup>3</sup>               | 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'

Review By,

Sr. Analyst



For Shreeji Agua 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

Plane: Plot No. 8-24, H Block, Lal Topi Nagat, Morewark, MDC, Picturi-Chenchward, Mahatashtta 411018, Lale: 184, Shreep Tetrace Apt, Plot No. 53, Parria Nagat, Chikhali, Pune: 411019 Varledara: Plot No.1, Shah Ind, Park-1, Vadodata-Savk, Lamdapuna, 391,775 Dist, Vadodita

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| I SL/24-25/11/MAA/140<br>A LIMITED<br>ON BUSINESS, AMON/<br>OA.<br>ence: As per TRF date<br>or : Ambient Air Moni<br>dure : As per IS 5182<br>A.Q.5National Ambien<br>ation : Near Mosque.Su<br>1: 10.0 meter<br>t: 3.0 meter | d 12/11/20<br>toring<br>t Air Quality  | 11M, 1  | Date of Sam<br>Start of ana<br>End of Analy<br>Report Date<br>Sample Dray   | lysis: 22/11/<br>ysis: 26/11/<br>:: 26/11/202  | /2024<br>2024  | on 21-   |  |
|---|--|---|---|--|--|--|--|
| A LIMITED<br>ION BUSINESS, AMON/<br>OA.<br>ence: As per TRF date<br>or : Ambient Air Moni<br>dwre : As per IS 5182<br>A.Q.5National Ambien<br>ation : Near Mosque, Su<br>s : 10.0 meter                                       | d 12/11/20<br>toring<br>t Air Quality  | ШМ, 1<br>24   | End of Anal<br>Report Date<br>Sample Drav   | rsis: 26/11/<br>: 26/11/202  | 2024   | on 21-   |  |
| ION BUSINESS, AMON/<br>OA.<br>ence: As per TRF date<br>or : Ambient Air Moni<br>dure : As per IS 5182<br>A.Q.5National Ambien<br>ation : Near Mosque, Su<br>s : 10.0 meter  | d 12/11/20<br>toring<br>t Air Quality  | ым, і<br>1<br>24  | Report Date<br>Sample Drav  | : 26/11/202  | 4  | on 21-   |  |
| OA.<br>ence: As per TRF date<br>or : Ambient Air Moni<br>dure : As per IS 5182<br>A.C.SNational Ambien<br>ation : Near Mosque,Su<br>s : 10.0 meter  | d 12/11/20<br>toring<br>t Air Quality  | 24  | Sample Drav   |  |  | on 21-   |  |
| ence: As per TRF date<br>or : Ambient Air Moni<br>dwe: As per IS 5182<br>A.C.5National Ambien<br>ation : Near Mosque,Su<br>s : 10.0 meter   | toring<br>t Air Quality  | 24  |   | wn By: SATP  | L Representative   | on 21-   |  |
| or : Ambient Air Moni<br>dure : As per IS 5382<br>A.Q.5National Ambien<br>ation : Near Mosque Su<br>s : 10.0 meter  | toring<br>t Air Quality  | 24  | 1.1.164, (U.S.X.A   |  |  |  |  |
| dure : As per IS 5382<br>A. Q. 5National Ambien<br>ation 1 Near Mosque, Su<br>1 10.0 meter  | t Air Quality  | Standarda   |   |  |  |  |  |
| A.Q.5National Ambien<br>ation 1 Near Mosque,Su<br>1: 10.0 meter   | and the second second  | Standarda   |   |  |  |  |  |
| ation 1 Near Mosque,Su<br>1 10.0 meter  | and the second second  | Standarda   |   |  |  |  |  |
| 1 10.0 meter  | rta (N15 * 29  | are an and a second second  |   |  |  |  |  |
|   |  | 51.67104" E74"  | 01'7.04532')  |  |  |  |  |
| t : 3.8 meter   |  |   | Duration : 74   | Ha.  |  |  |  |
|   |  |   | Time : 11:15 (  | em to 11:35  | um   |  |  |
| dity [%]: 72  |  |   | Ambient Te  | mperature  | C ]: 29.0  |  |  |
|   | 2  | RESULT  | 15  |  | 2  |  |  |
| Se, Parameters . Results Limit  |  | Limita  | Ur  | vit.   | Reference Method   |  |  |
| on Manaxide (CO)  | 0.60   | <4.0 far 1  | His mg/   | im3  | IS 5182(Part-10  | 1999 82019   |  |
| as (Pb)   | <0.01  | <1.0  | 110/  | m <sup>2</sup>   | 15 5182(Part-32)   | 22004 82019  |  |
|   | <0.1   | <5.0**  |   |  | 15 5182 (Part 11   | 1:2006 #2032   |  |
| o(a)Pyrene (BaP)  | <0.1   | <1.0**  |   | Statement and statements   | IS 5182 (Part 12):2004 82019   |  |  |
|   | <5.0   |   |   | and the second sec | CPCB Guideline v   |  |  |
|   |  |   | and the second  | the second s   | 15 \$182(Part-24):2020   |  |  |
| e<br>mation is supplied by cus<br>ED  | tomers repre   | sented in Italic fo<br>Itation DETAILS  | ent   |  | in verstrene   | at uniform intervals   |  |
| A 25/2007 11.22223  |  | 1.4444.000  | 1.124.24.1440   | 000102   | Calibrated Date  | Calibration Doe Date   |  |
| the second se   | 2.50 3   | the second s  |   |  | and the local design of the local data and t  | 18.03.2025   |  |
| Saleove Attachment Sale   |  | P%,0497/AA5/34  | ASFW/2023   | 24/205-12  | 19.09.3024   | 18.01.2005   |  |
|   |  |   | ACL/HS8/  | CM 30/230371   | 19.03.2024   | 18.03.3025   |  |
| Model   |  | \$1,70W34   |   |  | Brhanser Calif   | araitharr.   |  |
| Mader   |  | Comon   | Ela   | Ft   | Quality  | hangy  |  |
|   |  |   | 1   |  | Authorize  | d Signatory  |  |
|   | on Monoxide (CO)<br>as (Pb)<br>ane (C <sub>6</sub> H <sub>4</sub> )<br>o(a)Pyrene (BaP)<br>nic (As)<br>el (Ni)<br>nce to above mentioned r<br>metic mean of minimum 3<br>re-<br>mation is supplied by cus<br>Equipment Name<br>2 file: OUST SAMPLER (Ma<br>EQ)<br>Equipment Name<br>Digital Electronic Balan<br>Digital Spectrophotome | on Monoxide (CO) 0.60<br>as (Pb) c0.01<br>ane (C <sub>4</sub> H <sub>8</sub> ) c0.0<br>o(a)Pyrene (BaP) c0.1<br>nic (As) c5.0<br>el (Ni) c6.0<br>nce to above mentioned monitoring represent of minimum 104 measurem<br>remation is supplied by customers represent<br>(C) Phil Outro SAMPLIE (ML2.5) 5<br>RDS (PM 30) Saleous Attachment Sangle 340<br>Digital Electronic Balance 9<br>Digital Electronic Balance 9<br>Digital Spectrophotometar Model | on Monsteide (CO) 0.60 <4.0 for 1<br>as (Pb) c0.01 <1.0<br>ane (C <sub>4</sub> H <sub>8</sub> ) c0.1 <5.0**<br>o(a)Pyrene (BaP) <0.1 <1.0**<br>nic (As) <5.0 <6.0**<br>el (Ni) <6.0 <20.0*<br>el (Ni) <6.0 <20.0*<br>metto above mentioned monitoring report all the parar<br>metto mean of minimum 304 measurements in a year a<br>re-<br>mation is supplied by customers represented in italic f<br><u>EQUIPMENT CAUBIATION DETABS</u><br>by find DUST SAMPLER (M. 2.5) SATEL/AR/AAD/38<br>RDS (FM 30) SATEL/AR/AAD/38 | on Montraide (CO) 0.60 <4.0 for 1 Hrs mg/<br>as (Pb) 40.01 <1.0 Hg/<br>ans (Pb) 40.01 <5.0** mg/<br>o(a)Pyrene (BaP) <0.1 <0.0** mg/<br>nic (As) <5.0 <6.0** mg/<br>nic (As) <5.0 <20.0** mg/<br>nic to above mentioned monitoring report all the parameters are with<br>metic mean of minimum 3D4 measurements in a year at a particular s<br>emotion is supplied by customers represented in Halk font<br><u>EquiPrivation Calibration Ottoas</u><br>to rise Dust sampled by customers represented in Halk font<br><u>EquiPrivation Calibration Ottoas</u><br>to rise Dust sampled by customers represented in Halk font<br><u>EquiPrivation Calibration Ottoas</u><br>Samous Attachment Sample BATPL/AR/AAC/34 45FM/2023<br>Digital Electronic Balance SL/SME/41 ACL/00/<br>Digital Electronic Balance SL/SME/41 ACL/00/<br>Digital Spectrophotometar BL/LIV/34 —   | an Monaxide (CO) 0.60 <4.0 for 1 Hrs mg/m3 as (Pb) 40.01 <1.0 µg/m3 of (CH_2) 40.01 <1.0 µg/m3 of (CH_ | on Monoxide (CO) 0.60 <4.0 for 1 Hz mg/m3 15 5182(Part 30<br>as (Pb) 0.01 <1.0 µg/m3 15 5182(Part 32<br>ane (C <sub>4</sub> H <sub>4</sub> ) <0.1 <5.0** µg/m3 15 5182 (Part 32<br>ane (C <sub>4</sub> H <sub>4</sub> ) <0.1 <1.0** ng/m3 15 5182 (Part 12<br>old)Pyrene (BaP) <0.1 <1.0** ng/m3 15 5182 (Part 12<br>nic (A4) <5.0 <5.0 <20.0** ng/m3 15 5182 (Part 12<br>nic (A4) <5.0 <5.0 <20.0** ng/m3 15 5182 (Part 12<br>to 300×e mentioned monitoring report all the parameters are within the limits.<br>metic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hoursy te<br>motion is supplied by customers represented in Italia font<br><u>Equipment Name</u> Equipment 10 CartificateWo. CalificateDate<br>5 first Out 50 (Part 12) 1471(A40(A40)) 4574(203-24/205-13) 19.03-2034<br>1503 (PM 10) 1503 2479(25) 1471(A40(A40)) 4574(203-24/205-13) 19.03-2034<br>1503 (PM 10) 2505 2479(25) 1471(A40(A40)) 4574(203-24/205-13) 19.03-2034<br>1503 (PM 10) 1503 2479(25) 1471(A40(A40)) 4574(203-24/205-13) 19.03-2034<br>1503 (PM 10) 1503 2479(25) 1471(A40(A40)) 4574(203-24/205-13) 19.03-2034<br>1503 (PM 10) 1503 2479(25) 1471(A40(A40)) 4574 4574(203-24/205-13) 19.03-2034<br>1503 Part 201 100 200 2 |  |

Panet: Plot No. 8-24, H Block, Lal Topi Nagar, Morewardi, MDC, Pirrgel-Chirchward, Maharashtea 411018, Lale: 184,5hroeji Tensez Apt. Plot No. 51, Parna Nagar, Childheli, Panet 411019 Vadedarar Plot No.1, Shah Ind, Park-T, Vadodara-Savli, Lamdapora. 393 775 Dist. Vadodra

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|                             | 1                                    |                | TEST REP          | ORT                             |                                     |  |  |  |
|-----------------------------|--------------------------------------|----------------|-------------------|---------------------------------|-------------------------------------|--|--|--|
| Lab In                      | ward No. : SL/24-25/12/MA            | A/111e         | Date              | Date of Sampling: 19-20/12/2024 |                                     |  |  |  |
| Client                      | Name :                               | -              | Star              | t of analysis: 20               | /12/2024                            |  |  |  |
| M/s, 1                      | VEDANTA LIMITED                      |                | End               | of Analysis: 24/                | 12/2024                             |  |  |  |
| VALUE                       | E ADDITION BUSINESS, AMON            | A AND NAVE     | UM, Rep           | ort Date: 24/12/                | 2024                                |  |  |  |
| BICHO                       | OLIM - GOA.                          |                | Sam               | ple Drawn By: S                 | ATPL Representative on 19-20/12/202 |  |  |  |
| Order                       | r / Reference: As per TRF date       | ed 06/12/20    |                   |                                 |                                     |  |  |  |
| Monit                       | toring For : Ambient Air Mon         | itoring        |                   |                                 |                                     |  |  |  |
| Samp                        | ling Procedure : As per IS 518       | 12.            |                   |                                 |                                     |  |  |  |
| Umits                       | s: *N.A.A.Q.S -National Amb          | ient Air Qual  | ity Standards.    |                                 |                                     |  |  |  |
| Samp                        | ling Location : Near Siddharth       | a Caves, Suria | ,[N15 * 29'59.829 | 72" 674" 01'30.01               | 62")                                |  |  |  |
| Laten                       | al Distance : 10.0 meter             |                |                   | Duration : 24 H                 | rs.                                 |  |  |  |
| Receptor Height : 3.0 meter |                                      |                |                   | Time : 11:35 an                 |                                     |  |  |  |
| Relati                      | ive humidity [%]: 72                 |                | RESULTS           | Ambient Temps                   | irature ["C]: 30                    |  |  |  |
|                             | + (                                  |                | RESOLUT           | ,<br>                           |                                     |  |  |  |
| Sr.<br>No.                  | Parameters                           | Results        | Limits            | Unit                            | Reference Method                    |  |  |  |
| 1                           | Sulphur Dioxide (SO <sub>3</sub> )   | 14.32          | <80.0             | µg/m <sup>3</sup>               | IS 5182(Part-2)2001 R2022           |  |  |  |
| 2                           | Nitrogen Dioxide (NO2)               | 20.49          | <80.0             | µg/m <sup>3</sup>               | i5-5182(Part-6)2006 R2022           |  |  |  |
| 3                           | Particulate Matter PM <sub>10</sub>  | 51.28          | <100.0            | µg/m <sup>8</sup>               | IS 5182 (Part 23)2005 R2022         |  |  |  |
| 4                           | Particulate Matter PM <sub>2.5</sub> | 21.62          | <60.0             | µg/m <sup>4</sup>               | 15 5182 (Part 24)2019               |  |  |  |
| 5                           | Ozone (O <sub>2</sub> )              | <20.0          | <180.0 For 1 H    | rs µg/m <sup>3</sup>            | IS 5182(Part-9):R2019               |  |  |  |
| 6                           | Ammonia (NH <sub>1</sub> )           | <14,0          | <400.0            | µg/m <sup>1</sup>               | IS 5182(Part-25):R2018              |  |  |  |

uniform intervals.

Hourty Value

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For Shreeji Aqua Treatment Pyt. 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

Paree: Plur Wu B-24, H Black, Lal Sopi Nagar, Murenald, MDC, Pingal-Chinchwaij, Mahasashtra 415510, Laite: 104.5Front Terraca Apr. Plur No. 53, Purna Nagar, Chilchab, Pune: 411010

Vederfami: Plot No.1, Shidi hidi. Palle I, Vafodere Sevil, Legishpura, 191 775 Olir, Vadorha

Castomor Care Nucl-1910225247365 Intelliptorejoquictum: Web: www.itinejuquicom

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|                                       |   | a han ta'a a b da ar   |  | 1000              | TREPORT                         |   |                              |                              |                    |                       |  |
|---------------------------------------|---|--|--|-------------------|---------------------------------|---|------------------------------|------------------------------|--------------------|-----------------------|--|
| Lab Inward No. : SL/24-25/12/MAA/111e |   |  |  |                   | Date of Sampling: 19-20/12/2024 |   |                              |                              |                    |                       |  |
|                                       | E Name :  |  |  |                   | Start of analysis: 20/12/2024   |   |                              |                              |                    |                       |  |
| WVII-                                 | VEDANTA LIMITED   |  |  |                   | End of Ar                       | nalysis: 7  | 4/12/2024                    |                              |                    |                       |  |
| VALL                                  | E ADDITION BUSIN  | ESS, AMONA AND N   | AVEUM, BICHOU  | M-                | Report D                        | ute: 24/  | 12/2024                      |                              |                    |                       |  |
| SOA                                   |   |  | am 34, 30  |                   | Sample C                        | )rawn By  | : SATPL Represe              | ntati                        | ve on 19-20,       | 12/2024               |  |
| Ord                                   | er / Reference: A   | is per TRF dated 0   | 6/12/2024  |                   |                                 |   |                              |                              |                    |                       |  |
|                                       | and the second se | bient Air Monitor  | ng   |                   |                                 |   | - 7                          |                              |                    |                       |  |
| and the second second                 | ing Procedure : A   |  |  | _                 |                                 |   |                              |                              |                    |                       |  |
|                                       | and the state of the second second second   | ional Amblent Air Os   |  |                   | 0000200                         | 12-10-12-2  | erenom -                     |                              |                    | _                     |  |
| sam                                   | pling Location :  | Near Siddhartha Car  | res, Surla "(N1S '   | 29'5              | 9.82972" E7                     | 4, 01,301   | (162")                       |                              |                    |                       |  |
| later                                 | al Distance : 10.0 n  | rieter   |  |                   |                                 | Duratio   | et : 24 Hrs.                 |                              |                    |                       |  |
| Rece                                  | ptor Height : 3,0 m   | eter   |  |                   |                                 |   | 1:35 am to 11:35             | and the second second        |                    |                       |  |
| Refa                                  | tive humidity [%]   | : 72   |  |                   |                                 | Ambie   | nt Temperature [             | °C.];                        | 30                 |                       |  |
|                                       |   |  |  | RES               | ULTS                            |   |                              | 12.5                         |                    |                       |  |
| Sr.<br>Na,                            | Parameters  |  | Repulta  |                   | Limits                          | Ueit  | Refer                        |                              | rence Method       |                       |  |
| 7                                     | Carbon Monoxid  | e (CD)   | 0.47   | ei.               | ) for 1 Him                     | mg/m/   | d (5 5162(Pa                 |                              | ot-10):1999 #2015  |                       |  |
| 8                                     | Lead as (Pb)  |  | <0.01  |                   | -0.D                            | ug/m8   | µg/m3 (5.5182)P              |                              | ert-221/2004 R2019 |                       |  |
| 9                                     | Benzono (C <sub>e</sub> H <sub>e</sub> )  | 20.01A1  | <0.1   | 1.13              | (5.0**                          | µg/mi   | 15.51                        | 15 5182 (Part 11) 2006 A2022 |                    |                       |  |
| 10                                    | Benzo(a)Pyrene (  | NaP)   | <0.1   | 1                 | <1.0**                          | ng/m3   | 15 3 1                       | 15 5102 (Part 12):2004       |                    | 019                   |  |
| 11                                    | Arsenic (As)  |  | -<5.0  | 1 3               | <6.0**                          | ng/m2   | CPCB                         | Guide                        | ine volvroe-1.     | 2012                  |  |
| 12                                    | Nickei (Ni)   |  | <6.0   |                   | 20.0**                          |   |                              | 5182                         | (Part-26):2020     |                       |  |
| ** Ai<br>***                          | mual arithmetic me<br>lourly Value  | sove mentioned moni<br>son of minimum 104 r<br>is supplied by custom<br>EQUIPM | neasuroments in  | a yea<br>In Itali | r at a particu<br>c font        |   |                              | t hour                       | ly at unlineer i   | ntervials.            |  |
|                                       | 2007  |  |  |                   |                                 |   |                              | 1                            | Calibratio         | in Detail             |  |
|                                       | Sr, No.   | Equipme  | ntNorm   |                   | Equip                           | mant ID   | Certificate/in.              |                              | Calibrated<br>Date | Calibratie<br>Due Dat |  |
|                                       | 150804037   | Anthient Air   |  |                   | SATPL/AR                        |   | ASPM(2023-24/205             |                              | 19.03.2024         | 18.01.202             |  |
| _                                     | 35056007  | Arthiest Ar  |  |                   | SATPL/MR                        |   | ASPM/2023-34/305             | 100                          | 19,03,2034         | 19.01.102             |  |
|                                       | 150904097   | Anthient Ab  |  | _                 | SATTE/AIN                       |   | ASPM/2023-24/205             | 24                           | 19.03.3824         | 18.03.202             |  |
|                                       | 55677   | Digital Electron   | and the second s |                   | 16,04                           | 2012 M  | (41 ACL/454/CM 30/230071     |                              | 19/01/3034         | 10/00/300             |  |
| _                                     | NLA.  | Digital Spectrum   | utometer Model   |                   | 34.0                            | and the second se | and the second second second | and the                      |                    | e Calibration         |  |
|                                       |   |  | CONCOM   | NOP NO            |                                 | Per Sh  | eeji Aqua Treatme<br>SJM     | ntrvs                        | . 100.             |                       |  |

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Page 2 of 2

Perrec: Plan No. 9-34, H Brock, Lal Topi Nagar, Morewald, MDC, Pergeri-Chindhwad, Mahanashma 411018. Lalu: 164, Streeyi Tenace Apt. Plot No. 53, Purse Nagar, Chikhali, Pune 411019. Vadodaras: Plot No.1, Shish Ind. Park-1, Vadodara-Savil, Lamitaputa. 391,775 Dist. Vadodna Castamer Care No.: +910225347365. Email: Infogritize/jaqua.com. Web: www.shine/jaqua.com

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Incommentation Doministrated Solutions Linder One Roaf Accepting by MAR, as per ISO/EC (7205-2017) Centified by BO Moti 2015, ISO 14001:2011 & ISO-(Store2018) Recognized by Ministry of Environment, Ferent & Climate Change (MeEPCC), Gevt. of India, New Delhi



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Laboratory Recognized by Ministry of Environment, Forent & Climate Change, Govt. of India & WABL Valid Up to 13/06/2026. ULR NO: TC138772400011783F

|| Shreeji ||

|                              | A  |                                      | TEST REPO                      | 6.00 m                          |   |  |  |  |
|------------------------------|--|--------------------------------------|--------------------------------|---------------------------------|---|--|--|--|
|                              | ward No. : 51/24-25/12/MAA   | /111d                                | Date o                         | Date of Sampling: 19-20/12/2024 |   |  |  |  |
| 1.11                         | Nome :   |                                      | Start o                        | of analysis: 20/1               | 12/2024   |  |  |  |
| M/s. \                       | VEDANTA LIMITED  |                                      | End of                         | Analysis: 24/1                  | 2/2024  |  |  |  |
|                              | EADDITION BUSINESS, AMONA  | AND NAVELU                           | VI, Repor                      | t Date: 24/12/2                 | 024   |  |  |  |
| ысно                         | SUM - GOA.   |                                      | Sampl                          | e Drawn By: SA                  | TPL Representative on 19-20/12/202  |  |  |  |
| Irder                        | / Reference: As per TRF dated  | 106/12/2024                          |                                |                                 |   |  |  |  |
| Vioni                        | toring For: Ambient Air Monit  | oring"                               |                                |                                 | * * * ·   |  |  |  |
|                              | ling Procedure: As per IS 5182   | interest and the state of the second |                                |                                 |   |  |  |  |
| imits                        | :: *N.A.A.Q.SNational Amble  | st Air Quality                       | Standards.                     |                                 |   |  |  |  |
| amp                          | ling Location: Near Mosque, Sur  | la (N35 * 29'51                      | .67104" E74 <sup>4</sup> 01'7/ | 94532")                         |   |  |  |  |
| Lateral Distance: 10.0 meter |  |                                      |                                | Duration: 24 H                  |   |  |  |  |
| the second second            | otor Height: 3.0 meter   |                                      |                                | Time : 11:40 an                 |   |  |  |  |
| lelati                       | ve humidity [%]: 72  |                                      |                                | Ambient Tempo                   | rature [°C]: 30   |  |  |  |
|                              |  |                                      | RESULTS                        |                                 | Contraction of the second   |  |  |  |
| Sr.<br>No.                   | Parameters   | Results                              | Limits                         | Unit                            | Reference Method  |  |  |  |
| 1                            | Sulphur Dioxide (SO <sub>2</sub> )   | 7.16                                 | <80.0                          | µg/m <sup>1</sup>               | IS 5182(Part-2)2001 R2022   |  |  |  |
| 2                            | Nitrogen Dioxide (NO <sub>3</sub> )  | 18.77                                | <\$0.0                         | µg/m <sup>3</sup>               | IS 5382(Part-6)2006 R2022   |  |  |  |
| 3                            | Particulate Matter PM <sub>10</sub>  | 43.90                                | <100.0                         | µg/m³                           | IS 5182 (Part 23)2006 R2022   |  |  |  |
| 4                            | Particulate Matter PM <sub>2.8</sub>   | 20.38                                | <60.0                          | µg/m <sup>3</sup>               | tS 5182 (Part 24)2019   |  |  |  |
| 5                            | Ozone (O3)   | <20.0                                | +180.0 For 1 Hr                | s µg/m <sup>1</sup>             | IS 5182(Part-9):82019   |  |  |  |
| 6                            | Ammonia (NH <sub>3</sub> )   | <14.0                                | <400.0                         | µg/m <sup>8</sup>               | IS 5182[Part-25]:R2018  |  |  |  |
| anifo<br>Hou                 | mual arithmetic mean of minin<br>rm intervals.<br>inly Value<br>imer: 'Information is supplied | by customer                          | represented in                 | italic font'                    | lar site taken twice a week 24 hourly<br>a<br>i Aqua Treatment Pvt. Ltd.<br>SIM |  |  |  |
|                              |  | ANS.                                 | 105                            |                                 | anaging Director<br>horized Signatory   |  |  |  |

Parties: Fluct http://www.intellines.com/intellines/Alignet-Morennedt, WEDC, Perspect-Childchinadt, Maharanshipa 41110/18. Ladar: TB45/Preeji Terranis Alph. Plot No. 53, Pietra Magar, Chilthadt, Partet 4111019 Vadandarer Phot No. 1, Shon, red: Park-1, Vadodara Sarell, Laregdapana, 591 175 Dist. Wedodara

Continuer Care No.) +919225207363 Establishing/aparation Web: www.show/insparation

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|| Shreeji ||

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|                       |   |   |   | 1621                       | REPORT   |                        | and the second second  |  |                      |  |  |
|-----------------------|---|---|---|----------------------------|--|------------------------|--|--|----------------------|--|--|
| lab inw               | rand No. : SL/24-   | 25/12/MAA/  | 111d  |                            | Date of  | f Sampl                | ing: 19-20/12/207  | 4  |                      |  |  |
| lient                 | Name :  |   |   |                            | Start of analysis: 20/12/2024  |                        |  |  |                      |  |  |
| W/L V                 | EDANTA LIMITE   | D   |   |                            | End of   | Analys                 | s: 24/12/2024  |  |                      |  |  |
| ALUE                  | ADDITION BUS  | INESS, AMON   | A AND NAVELIN   |                            | Report Date: 24/12/2024  |                        |  |  |                      |  |  |
|                       | LIM – GOA.  | Salar P. Colored  | 11/2014/02/05/25  | 0                          | Sample Drawn By: SATPL Representative on 19-20/12/202  |                        |  |  |                      |  |  |
| Inder                 | / Reference: As   | per TRF date  | 6 06/12/2024  |                            |  |                        |  |  |                      |  |  |
| Contractor and        | oring For : Amb   | and the first statistical second state  | and the second se |                            |  |                        |  |  |                      |  |  |
| 1. 1. 1. 1. 1. 1.     | tg Procedure : As   | and the second secon |   |                            |  | _                      |  |  |                      |  |  |
|                       | *N.A.A.Q.SNeti  |   | r Quality Standan   | H:                         | _  |                        |  |  |                      |  |  |
|                       | ing Location : 1  |   |   |                            | 10117-044  | 52241                  |  |  |                      |  |  |
| 1 6 1 6 S             | Distance : 10.0 m   |   | area france. His way  | COMPANY STAT               | and the state of the  | in : 24 H              | h  |  |                      |  |  |
| 10000                 | or Height : 3.0 mil   |   |   |                            | and the second second second   | I MARKED IN CONTRACTOR | to 1140 am   |  |                      |  |  |
| and the second second | e humidity [%]:   |   |   |                            | Ambie  | nt Tem                 | perature [ <sup>0</sup> C]: 30   |  |                      |  |  |
|                       |   |   |   | RESU                       | i de la companya de la compa | _                      |  |  |                      |  |  |
| Sr.<br>No.            | Parameters  | 19  | Results   | Limit                      | nita Unit  |                        |  | Reference Method   |                      |  |  |
| 7                     | Carbon Monor  | (Ide (CO)   | 0.54  | <4,0 fbr                   | 1301   | mg/m3 65 51823         |  | 12(Part-10):1999   | (Pait-10):1999 82019 |  |  |
| 8                     | Lead as (Ph)  |   | <0.01   | <1.0                       | y.   | pg/m <sup>2</sup> 53   |  | 183(Part-22):2004 R2019  |                      |  |  |
| 9                     | Benzene (C <sub>6</sub> H <sub>6</sub>                        | 1   | <0.1  | <5.0*                      |  | yig/m 15 518           |  | 62 (Part 11) 2006  | (Part 11) 2006 R2022 |  |  |
| 10                    | Senzo(a)Pyren   | ue (BaP)  | <0.1  | <1.0*                      | 6  | ng/m                   | 45.51  | (\$ \$182 (Part 32) 2004 R2019   |                      |  |  |
| 11                    | Arsenic (As)  |   | <5.0  | 46.0*                      | •  | ng/m                   | CPCH   | Guidelinii yokume  | toline volume-1:2012 |  |  |
| 12                    | Nickel (NI)<br>2 Reference to abo                             |   | <6.0  | <20.0                      |  | ng/m                   | and the second state of th | 5182(Part-26)-20   | 120                  |  |  |
| Hou<br>lickim         | un antrinets: me<br>icly Value<br>er: 'Information à<br>. No. |   | stomers represen<br>(QUIP   | ted in Italic<br>MENT CAUS | font   |                        | taken twice a week   | Calibration D<br>Calibration D<br>Calibrated<br>Date   |                      |  |  |
|                       |   | Antheont  | Air Sampler-6   | SATE                       | UAR/AAS  | /34                    | ASFM/2023-24/205-1   | sector and a statement of the sector of the  | 18.03.2025           |  |  |
|                       |   |   | Air Sampler-6   |                            | ru/wiiR/AAS  |                        | ASEM/2023-24/205-1   | the state of the s | 18.03.2025           |  |  |
| -                     | 55627   | a second second second second   | Air Sampler-6<br>Irosic Batance   |                            | n/wiii/was<br>wixeconomi   |                        | ASEM/2023-24/205-1<br>ACM/056/CM/2020-0  |  | 18.03.2025           |  |  |
|                       |   | the second s  | octrophotometor   | -                          | 5L/5M8/43. AC3/456/CM 38/230072  |                        |  |  |                      |  |  |
| -                     | NA  | 1.000   | Model   |                            | ayun(34  |                        |  | hitler   | use Calibration      |  |  |
|                       |   |   | maxin.  |                            | MEA PSY  |                        | For Shreeji Agus Tr  | and the second second second second  |                      |  |  |

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Page 3 of 2.

Paner: Plot No. 17-34. H Block, Lai Topi Nagat, Misrewadi, MDC, Perpri-Chindriwad, Maharashtra 411018. Lalar 184,Streeji Terrace Apt. Plot No. 53, Panea Nagar, Chikhali, Pane: 411019

Vadedara: Piot No.1, Shah Indi, Park 1, Vadodara-Savii, Lamdapura, 391 775 Dist, Vadodsa

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Shreeji

|                        |                                      |   | TEST REP            |  |                             |  |  |  |  |
|------------------------|--------------------------------------|---|---------------------|--|-----------------------------|--|--|--|--|
| Lab Ir                 | nward No. : SL/24-25/01/MA           | A/100J                                    | Date                | Date of Sampling: 23-24/01/2025                        |                             |  |  |  |  |
| 1.1.1.1                | Name :                               |   | Start               | Start of analysis: 24/01/2025                          |                             |  |  |  |  |
| M/s. \                 | VEDANTA LIMITED                      |   | End                 | End of Analysis: 28/01/2025                            |                             |  |  |  |  |
|                        | E ADDITION BUSINESS, AMON            | A AND NAVE                                | LIM, Repo           | Report Date: 28/01/2025                                |                             |  |  |  |  |
| BICHO                  | ILIM – GOA.                          |   | Sam                 | Sample Drawn By: SATPL Representative on 23-24/01/2025 |                             |  |  |  |  |
| Orde                   | r / Reference: As per TRF date       | d 09/01/20                                | 25                  |  |                             |  |  |  |  |
| Moni                   | toring For : Ambient Air Mon         | itoring                                   |                     |  |                             |  |  |  |  |
|                        | ling Procedure : As per IS S18       | A REAL PROPERTY AND ADDRESS OF THE OWNER. |                     |  |                             |  |  |  |  |
| Unit                   | s : "N.A.A.Q.SNational Ambi          | ent Air Qual                              | ity Standards.      |  |                             |  |  |  |  |
| Samip                  | ling Location : Near Siddharth       | a Caves, Surla                            | (N15 * 29'59.829)   | 72" E74" 01'30.03                                      | 62")                        |  |  |  |  |
| ater                   | al Distance : 10.0 meter             |   |                     | Duration : 24 H  | irs.                        |  |  |  |  |
| and and a start of the | ptor Height : 3.0 meter              |   |                     | Time : 11:40 am to 11:40 am                            |                             |  |  |  |  |
| Relati                 | ve humidity [%]: 70                  |   | RESULTS             | Ambient Temps  | erature ["C]: 31            |  |  |  |  |
|                        |                                      |   | RESULTS             | JEIS   |                             |  |  |  |  |
| Sr.<br>No.             | Parameters                           | Results                                   | Limits              | Unit   | Reference Mothod            |  |  |  |  |
| 1                      | Sulphur Dioxide (SO <sub>2</sub> )   | 9,12                                      | <80.0               | µg/m <sup>3</sup>                                      | 15 5182(Part-2)2001 R2022   |  |  |  |  |
| 2                      | Nitrogen Dioxide (NO <sub>1</sub> )  | 17.49                                     | <80.0               | µg/m <sup>4</sup>                                      | IS 5182(Part-6)2006 R2022   |  |  |  |  |
| 3                      | Particulate Matter PM10              | 42.44                                     | <100.0              | µg/m <sup>®</sup>                                      | IS 5182 (Part 23)2006 R2022 |  |  |  |  |
| 4                      | Particulate Matter PM <sub>2.5</sub> | 18.71                                     | <60.0               | µg/m <sup>3</sup>                                      | IS 5182 (Part 24)2019       |  |  |  |  |
| 5                      | Ozone (O <sub>1</sub> )              | <20.0                                     | <180.0 For 1 Hr     | s µg/m <sup>8</sup>                                    | i5 5182(Pairt-9):R2019      |  |  |  |  |
| 6                      | Ammonia (NH <sub>1</sub> )           | <14.0                                     | <400.0              | µg/m <sup>2</sup>                                      | IS 5182(Part-25):R2018      |  |  |  |  |
| REM/                   | RK: Reference to above men           | tioned moni                               | toring report all t | he parameters  |                             |  |  |  |  |



For Shreeji Agua Treatment Pvt. Ltd.

Manuffing 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

Paner Piot No. B-24, H Block, Lai Tops Nagas, Rimmwell, MDE, Pimpi-Chinchweel, Maharachtra 41 11118.

Kahi 184,5hviveji Terroce Apt. Plot No. 52, Planta Nagar, Chikhali, Plana: 411079

Vadiedara: Plot No.1, Shah (nd. Park 1, Vadiedara Sov/E), and apora. 301 775 Dist. Vedesita

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|                                    |  |   | TE              | ST REPORT                  |  |  |                              |                              |  |  |
|------------------------------------|--|---|-----------------|----------------------------|--|--|------------------------------|------------------------------|--|--|
| Lab I                              | inward No. : SL/24                       | 4-25/01/MAA/100J  |                 | Date of 5                  | ampling:   | 23-24/01/2025                              |                              |                              |  |  |
| Provide States                     | t Nome:                                  |   |                 | Start of a                 | inalysis: 1  | 14/01/2025                                 |                              |                              |  |  |
| M/s                                | VEDANTA LIMITED                          | D   |                 | End of A                   | nalysis: 2   | 8/01/2025                                  |                              |                              |  |  |
| VAEL                               | E ADDITION BUSH                          | NESS, AMONA AND NAVELIM   | RICHOUM ~       | Report D                   | Report Date: 28/01/2025  |  |                              |                              |  |  |
| GOA                                |  |   |                 | Sample (                   | Drawn By   | : SATPL Representat                        | ive on 23-24                 | /01/2025                     |  |  |
| Ord                                | er / Reference: /                        | As per TRF dated 09/01/2  | 025             |                            |  |  | _                            |                              |  |  |
| Mor                                | sitoring For : An                        | blent Air Monitoring  |                 |                            |  |  |                              | _                            |  |  |
|                                    | pling Procedure : A                      | the second se |                 |                            |  |  |                              |                              |  |  |
| limit                              | NT TNAACLS -No                           | tional Ambient Air Quality Sta  | ndards.         |                            |  |  |                              |                              |  |  |
| Sam                                | pling Location 1                         | Near Siddhartha Caves, Sur  | là ,(N15 * 29/5 | 9.82972° E7                | 4" 01"30.0   | 162")                                      |                              |                              |  |  |
| Later                              | ral Distance ( 10.0 /                    | meter   |                 |                            | Ouration   | 1:24 Hits,                                 |                              |                              |  |  |
| Rece                               | ptor Height : 3.0 m                      | atar .  |                 |                            | Time 11  | 1:40 am to: 11:40 am                       |                              |                              |  |  |
| Rela                               | tive humidity [%                         | 3:70  |                 |                            | Ambier   | Ambient Temperature [ <sup>0</sup> C ]: 31 |                              |                              |  |  |
|                                    |  |   | 102             | SULTS                      |  |  |                              |                              |  |  |
| Se.<br>No.                         | Parameters Results                       |   | sults -         | Limits                     | Unit   | Rafer                                      | Reference Method             |                              |  |  |
| 7                                  | Carbon Monoxid                           | ie (CO) 0   | 0.53 <4.0       |                            | mg/m3  | i5 5182(Pa                                 | i5 5182(Part-10):1999 82019  |                              |  |  |
| 8                                  | Lead as (Pb)                             | - 4   | 2.01            | <1.0                       | ug/m3  | 45 5182(Pa                                 | 45 5182(Part-22):2004 82019  |                              |  |  |
| 9                                  | Benzene (C <sub>6</sub> H <sub>6</sub> ) |   | 0.1             | <5.0**                     | µg/m3  | 6 5182 (Pr                                 | /5 5182 (Part 11):2006 R2022 |                              |  |  |
| 10                                 | Benzo(a)Pyrene                           | (BaP) <   | 0.1             | <1.0**                     | NU/m3  | 15.5102 (P)                                | 15 5182 (Part 12):2004 R2019 |                              |  |  |
| 11                                 | Acconic (Aa)                             |   | 5,0             | +9.0**                     | ng/m3  | CPEB Guide                                 | CPC6 Guideline volume-1:2012 |                              |  |  |
| 12                                 | Nickel (Ni)                              | <   | 6.0             | <20.0**                    | ng/m3  | 15 5182                                    | 15.5382(Part-26):2020        |                              |  |  |
| 14                                 | nnual arithmetic m<br>tourly Value       | bove mentioned monitoring in<br>can of minimum 104 measure<br>is supplied by customers repr<br>EQUIPMENT CAL    | ments in a yea  | ir at a particu<br>Ne font |  |  |                              |                              |  |  |
|                                    | Sc.No.                                   | EquipmentName   |                 | 1 1233                     | STREEN.  | 223023011                                  | Calibratia                   | COLUMN TWO IS NOT THE OWNER. |  |  |
|                                    | 20. 740.                                 | COMPOSITION AND A   |                 | 1000                       | ment ID  | Certificate/No.                            | Calibrated                   | Calibratio<br>Due Data       |  |  |
|                                    | 110000037                                | Anihent Air Sampler   |                 | SATPLAN                    | And the local distribution of the second | ASPA472023-34/205-34                       | 19:03:2014                   | 18 03 2025                   |  |  |
|                                    | 155604017                                | Andrient Air Sampler  | 1               | SATPLAAR                   | and the second second  | A3FMI/2023-24/205-1#                       | 39-02-2024                   | 18.03.3025                   |  |  |
|                                    | 130604037                                | Arthiest Air Sampler  |                 | SATPL/AR                   | 1.11   | V8UN\3013-34\302-18                        | 19/09.2024                   | 18.03.3025                   |  |  |
|                                    | \$5627                                   | Digital Octoproc Balance  |                 | SL/SA                      | 48/41  | ACS/4582CM 302230072                       | 19/03/2024                   | 18/03/202                    |  |  |
| NA Digital Spectruatedometer Model |  |   |                 |                            |  |  |                              |                              |  |  |



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**End of Test Report** 

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Page 2 of 2

Penel Flot No. B-24, H Block, Lei Topi Nagar, Morewedi, MIDC, Pimpri-Chinchwed, Maharashtra 411018. Lale 164 Shineji Terroce Apt, Plot No. 53, Puma Nagar, Chikhail, Pune 411018 Vadedane: Plot No.1, Shuh (nd. Park) 1, Vadodane Sovii, Lamdapore, 301 775 Dirt, Vadoda

Conterner Care No.: v919225247365 Email: info@shyvejiaqua.com, Web: www.shreejiaqua.com

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|   |  | and the second se | TREPORT  |  |  |  |  |  |
|---|--|---|--|--|--|--|--|--|
| ward No. : SL/24-25/01/MAA/   | 1001   | Date of   | Date of Sampling: 23-24/01/2025  |  |  |  |  |  |
| Name :  |  | Start of  | Start of analysis: 24/01/2025  |  |  |  |  |  |
| EDANTA UMITED   |  | End of  | End of Analysis: 28/01/2025  |  |  |  |  |  |
|   | AND NAVELIM,   | Report  | Report Date: 28/01/2025  |  |  |  |  |  |
| LIM – GOA.  |  | Sample  | Sample Drawn By: SATPL Representative on 23-24/01/2025   |  |  |  |  |  |
| / Reference: As per TRF dated   | 09/01/2025   |   |  |  |  |  |  |  |
| oring For: Ambient Air Monite   | oring  |   |  |  |  |  |  |  |
| ing Procedure: As per IS 5182   |  |   |  |  |  |  |  |  |
|   |  |   |  |  |  |  |  |  |
| and the second se | ia (N15 ° 29'51.6710   |   | -1 0 -0 - 1 -  |  |  |  |  |  |
| Distance: 10.0 meter  |  |   | Duration: 24 Hrs.  |  |  |  |  |  |
| and a part of the second distance of the second  |  |   | Time : 11:30 am to 11:30 am  |  |  |  |  |  |
| e humidity [%]: 70  |  |   | Amblent Temperature [ <sup>2</sup> C ]: 31   |  |  |  |  |  |
| really second second  | -  | REGENE  |  | come contra concerter  |  |  |  |  |
| Parameters  | Results  | Limits  | Unit   | Reference Method   |  |  |  |  |
| Sulphur Dioxide (SO <sub>2</sub> )  | 8.46   | <80.0   | µg/m <sup>3</sup>  | IS 5182(Part-2)2001 82022  |  |  |  |  |
| Nitragen Dioxide (NO <sub>2</sub> )   | 14.59  | <80.0   | µg/m <sup>3</sup>  | 15 5182(Part-6)2006 82022  |  |  |  |  |
| Particulate Matter PM <sub>10</sub>   | 48.95  | <103.0  | µg/m <sup>1</sup>  | IS 5182 (Part 23)2006 R2022  |  |  |  |  |
| Particulate Matter PM <sub>2.5</sub>  | 19.54  | <60.0   | $\mu g/m^2$  | i5 5182 (Part 24)2019  |  |  |  |  |
| Ozone (O <sub>3</sub> )   | <20.0 =1   | 80.0 For I Hrs  | µg/m <sup>3</sup>  | (5.5182(Part-9):R2019  |  |  |  |  |
| Ammonia (NH <sub>3</sub> )  | <14.0  | <400.0  | µg/m <sup>3</sup>  | 15 5182(Part-25):R2018   |  |  |  |  |
|   | EDANTA LIMITED<br>ADDITION BUSINESS, AMONA<br>JM – GOA.<br>/ Reference: As per TRF dated<br>bring For: Ambient Air Monito<br>ng Procedure: As per 15 5182<br>"N.A.A.Q.SNational Ambien<br>ng Location: Near Mosque, Sur<br>Distance: 10.0 meter<br>tor Height: 3.0 meter<br>tor Height: 3.0 meter<br>tor Height: 3.0 meter<br>e humidity [%]: 70<br>Parameters<br>Sulphur Dioxide (SO <sub>2</sub> )<br>Nitrogen Dioxide (NO <sub>2</sub> )<br>Particulate Matter PM <sub>10</sub><br>Particulate Matter PM <sub>25</sub><br>Ozone (O <sub>2</sub> ) | EDANTA LIMITED<br>ADDITION BUSINESS, AMONA AND NAVELIM,<br>JM – GOA.<br>/ Reference: As per TRF dated 09/01/2025<br>bring For: Ambient Air Monitoring<br>ng Procedure: As per 15 5182<br>"N.A.A.Q.SNational Ambient Air Quality Star<br>ng Location: Near Mosque, Suria (N15 * 29'51.67)/<br>Distance: 10.0 meter<br>tor Height: 3.0 meter<br>tor Height: 3.0 meter<br>tor Height: 3.0 meter<br>tor Height: 3.0 meter<br>Parameters<br>Results<br>Sulphur Dioxide (SO <sub>2</sub> )<br>Results<br>Sulphur Dioxide (NO <sub>2</sub> )<br>14.59<br>Particulate Matter PM <sub>10</sub><br>48.95<br>Particulate Matter PM <sub>23</sub><br>020ne (O <sub>3</sub> )<br>(20.0)                          | EDANTA LIMITED ADDITION BUSINESS, AMONA AND NAVELIM, ADDITION BUSINESS, AMONA AND NAVELIM, ADDITION BUSINESS, AMONA AND NAVELIM, AM - GOA.  Report Sample / Reference: As per TRF dated 09/01/2025 pring For: Ambient Air Monitoring ng Procedure: As per 15 5182 "N,A.A.Q.SNational Ambient Air Quality Standards. ng Location: Near Morque, Suria (N15 * 29'31.67104* E74* 01'7.0 Distance: 10.0 meter tor Height: 3.0 meter tor Height: 3.0 meter tor Height: 3.0 meter Parameters Results Sulphur Dioxide (SO <sub>2</sub> ) Results Limits Sulphur Dioxide (NO <sub>2</sub> ) 14.59 AB.46 AB.95 AB.0 Particulate Matter PM <sub>10</sub> AB.95 AB.0 For 1 Hrs | EDANTA LIMITED ADDITION BUSINESS, AMONA AND NAVELIM, IM – GOA.  ADDITION BUSINESS, AMONA AND NAVELIM, IM – GOA.  ADDITION BUSINESS, AMONA AND NAVELIM, IM – GOA.  AReport Date: 28/01/2 Sample Drawn By: SA  AREPORT Date: 28/01/2  AREPORT Date: 2100 AREPORT |  |  |  |  |

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

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Page 1 of 2

Panie: For No. B 24, H Block, Lai Tepi Nagar, Monword, MOC, Pimpi-Chirchwod, Nohireshni 471018.

Lala: 1345 Drively Terrace Apr. Plet No. 53, Psena Hogar, Childhait, Parie 471019

Vedeolater Plot No.1, Shah Ind. Park 1, Vadodara-Saell, Langdapura. 393 775 Did. Vadodaa

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| and the second                        | and star and date and                                    | ·  | 100  |   | F REPORT  | _                   |   |                             |                              |             |  |
|---------------------------------------|--|--|--|---|---|---------------------|---|-----------------------------|------------------------------|-------------|--|
| Lab Imward Ro. : 5L/24-25/01/MAA/1001 |  |  |  |   | Date of Sampling: 23-24/01/2025   |                     |   |                             |                              |             |  |
| Client Name :                         |  |  |  |   | Start of analysis: 24/01/2025   |                     |   |                             |                              |             |  |
| M/L V                                 | EDANTA LIMITED   | )  |  | End of Analysis: 28/01/2025                           |   |                     |   |                             |                              |             |  |
|                                       | ADDITION BUSIT   | ess, amon/   | AND NAVELI   | M, Report Date: 28/01/2025                            |   |                     |   |                             |                              |             |  |
| manag                                 | um - dum.  |  |  | Sample Drawn By: SATPL Representative on 23-24/01/202 |   |                     |   |                             |                              |             |  |
| Prder.                                | / Reference: As  | per TRF date                                       | d 09/01/2025   |   |   |                     |   |                             |                              |             |  |
| Vioniți                               | oring For : Ambi   | ent Air Moni                                       | toring   |   |   |                     |   |                             |                              |             |  |
| lamplir                               | ng Procedure 1 As p                                      | er (5.5182   |  |   |   |                     |   |                             |                              |             |  |
| imits :                               | *N.A.A.Q.S. Natio  | nal Ambient Air                                    | Quality Standar  | ds.   |   |                     |   |                             |                              |             |  |
| ampli                                 | ing Location : N   | tar Mosque,Su                                      | da (N15 * 29'51  | 67104° E7   | 1017.04   | (532")              |   | -                           |                              |             |  |
| ateral                                | Distance : 10.0 me                                       | ter.   |  |   | Durati  | on:24H              | 11.   |                             |                              |             |  |
| lecepto                               | or Height : 3.0 met                                      |  |  |   | and the second se | Acres in the second | s in 11:3   |                             |                              |             |  |
| Ielativ                               | e humidity [%]: 1  | 70   |  |   | Ambie   | ent Tem             | perature  | f°c1:31                     |                              |             |  |
|                                       |  |  |  | RESI  | JLTS  |                     |   |                             |                              |             |  |
| Sr. Parameters Results                |  | Results  | Lim  | Limita  |   | in Ref              |   | ference Method              |                              |             |  |
| 7                                     | Carbon Monoxi  | de (CO)  | 0.45   | <4.0 for  | ot.0 for 1 Hes  |                     | n3 (5 5182(Part-10) 1999 R20                              |                             | R2019                        |             |  |
| 8                                     | Load as (Pb)   |  | -0.01  | 4   | <1.0  |                     | m <sup>2</sup> IS S1820                                   |                             | Part-22):2004 R2019          |             |  |
| 9                                     | Benzene (C <sub>s</sub> R <sub>b</sub> )                 |  | -0.1   | -<5.0   | ee  | μg/π                |   |                             | Fort 11):2006                | R2022       |  |
| 10                                    | Benzo(a)Pyrene   | (BaP)  | <0.1   | <1.0  | <1.0**  |                     |   | G 5182 (Part 12):2004 R2019 |                              | R2019       |  |
| 11                                    | Arsenic (As)   | An POTO  | <5.0   | <6.0  | <5.0** ng/  |                     |   | CPCII Go                    | deline volume                | 1.2012      |  |
| 12                                    | Nickel (NI)  |  | <5.0   | <20.1   | 264   | ng/m                | m <sup>2</sup> IS \$182(Part-26)(2020)<br>his the lenits. |                             | 20                           |             |  |
| Hou<br>solavne                        | ual arithmetic mean<br>only Value<br>on Ynformotion is : | upplied by cus                                     | tomers represen<br>EQUIT   | ited in Itali<br>MENT CAU                             | t font<br>INATION I   | STARS               |   |                             |                              |             |  |
| 50                                    | No. EquipresettNores                                     |  | WHEN .   | - 1004  | Equipment ID  |                     | Centificate   | ma.                         | Calibration De<br>Calibrated | Calibration |  |
|                                       |  | المترد والإشتار التسمي                             | Sector and the sector of the |   |   |                     |   |                             | Dute                         | Due Date    |  |
| -                                     |  | Aritherit Air Sampler 6<br>Aritherit Air Sampler 6 |  |   | SATPL/AR/AA5/34<br>SATPL/AR/AA5/34  |                     | ASFM/2023-24/205-12<br>ASFM/2023-24/205-12                |                             | 19.03.2024<br>19.05.2024     | 18.03.2025  |  |
| -                                     |  |  | ur Sampler-6   |   | SATPL/ANA/AA5/34  |                     | ASFM/2023-24/205-12                                       |                             | 19.63.2024                   | 18.09.2025  |  |
|                                       | 95627  | Digital Electr                                     | ronic Balanca  |   | \$6/5M6/41  |                     | AC\$/456/CM 30/230072                                     |                             | 10/03/2024                   | 18/00/202   |  |
|                                       |  | The left of the second                             | Digital Spectrophinionieter<br>Model   |   | 51/UV/34  |                     |   |                             | Intrane Calibration          |             |  |
|                                       | NA   |  |  |   | are south and   |                     |   |                             |                              |             |  |

Page 2 of 2

Paner: Plot No. 5-34, H Block, Lai Topi Negar, Morewadi, NIDC, Pimpri-Chinchwad, Naharashtra 411018. Labr 164.Shreeji Terrace Apt. Plot No. 53, Panra Nagar, Chihall, Paner 411019 Vadodara: Plot No. 1, Shah Ind. Park 1, Vadodara-Sevil; Carrelapura, 391 775 Dist, Vadodia

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| in the second        |                                      |                | TEST REPO         |   |                               |  |  |  |
|----------------------|--------------------------------------|----------------|-------------------|---|-------------------------------|--|--|--|
| Lab In               | ward No. : SL/24-25/02/MA            | A/337K         | Date              | Date of Sampling: 20-21/02/2025                       |                               |  |  |  |
|                      | Name :                               |                | Start             | Start of analysis: 21/02/2025                         |                               |  |  |  |
| M/s. 1               | VEDANTA LIMITED                      |                | End e             | End of Analysis: 25/02/2025                           |                               |  |  |  |
| VALU                 | E ADDITION BUSINESS, AMON            | A AND NAVE     | LIM, Repo         | Report Date: 25/02/2025                               |                               |  |  |  |
| BICHC                | DLIM – GOA,                          |                | Samp              | Sample Drawn By: SATPL Representative on 20-21/02/202 |                               |  |  |  |
| Order                | r / Reference: As per TRF date       | d 20/02/202    | 25                |   | -                             |  |  |  |
| Monit                | toring For : Ambient Air Mon         | itoring        |                   |   |                               |  |  |  |
|                      | ling Procedure : As per IS 518       |                |                   |   |                               |  |  |  |
| Limits               | s: *N.A.A.Q.SNational Amb            | ient Air Qual  | ity Standards.    |   |                               |  |  |  |
| Samp                 | ling Location : Near Siddharth       | a Caves, Surla | /N15 * 29'59,8297 | 2° E74° 01'30.01                                      | 62")                          |  |  |  |
| Later                | al Distance : 10.0 meter             |                |                   | Duration : 24 H                                       |                               |  |  |  |
| in the second second | otor Height : 3.0 meter              |                |                   | Time: 11:50 am to 11:50 am                            |                               |  |  |  |
| Relati               | ve humidity [%]: 68                  |                | RESULTS           | Amblent Tempe   | rature ( <sup>d</sup> C ): 30 |  |  |  |
| - 1990 and 1         |                                      |                | RESOLIS           | The second second                                     |                               |  |  |  |
| Sr.<br>No.           | Parameters                           | Results        | Limits            | Unit  | Reference Method              |  |  |  |
| 1                    | Sulphur Dioxide (SO <sub>2</sub> )   | 11.07          | <80.0             | $\mu g/m^2$   | IS 5182(Part-2)2001 R2022     |  |  |  |
| 2                    | Nitrogen Dioxide (NO <sub>2</sub> )  | 14.81          | <80.0             | µg/m <sup>3</sup>                                     | IS 5182(Part-6)2006 R2022     |  |  |  |
| а                    | Particulate Matter PM <sub>10</sub>  | 49.39          | <100.0            | µg/m <sup>1</sup>                                     | IS 5182 (Part 23)2006 R2022   |  |  |  |
| S4                   | Particulate Matter PM <sub>2.0</sub> | 24.12          | <60.0             | µg/m <sup>1</sup>                                     | (5 5182 (Part 24)2019         |  |  |  |
| 5                    | Ozone (O <sub>1</sub> )              | <20.0          | <180,0 For 1 Hrs  | µg/m <sup>1</sup>                                     | 15 5182(Part-9):R2019         |  |  |  |
|                      |                                      |                | <400.0            | µa/m <sup>1</sup>                                     | 15 5182(Part-25):R2018        |  |  |  |

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

Page 1 of 2

Later Vadedara: Pict No.1, Shah Ind. Park-1, Wedodara-Savil, Landapura 391775 Elet, Vadodra

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|                                    |                                    |  |  | TEST REPORT                     |   |                                     |                              |   |  |  |
|------------------------------------|------------------------------------|--|--|---------------------------------|---|-------------------------------------|------------------------------|---|--|--|
| Lab I                              | nward No. : 51/24-                 | 25/02/MAA/337K                             |  | Date of !                       | Sampling:   | 20-21/02/2025                       |                              |   |  |  |
|                                    | t Name i                           |  |  | Start of a                      | analysis: 1   | 21/02/2025                          |                              |   |  |  |
| M/s.                               | VEDANTA UMITED                     | 8  |  | End of A                        | End of Analysis: 25/02/2025                           |                                     |                              |   |  |  |
|                                    | IT ADDITION BUSIE                  | UPSS AMONA AND                             | NAVELIM, BICHOLIN  | - Report D                      | Report Date: 25/02/2025                               |                                     |                              |   |  |  |
| 60A                                |                                    | tera, rimorni reter                        | interesting and the state  |                                 | Sample Drawn By: SATPL Representative on 20-21/02/202 |                                     |                              |   |  |  |
| Ordi                               | er / Reference: /                  | s per TRF dated                            | 20/02/2025   |                                 |   |                                     |                              |   |  |  |
| Mor                                | sitoring For : Am                  | blent Air Monito                           | ring   |                                 |   |                                     |                              |   |  |  |
|                                    | pling Procedure ( A                |  | and the second states  |                                 |   |                                     |                              |   |  |  |
| Imit                               | a: "N.A.A.O.SNat                   | ional Ambient Air O                        | waitiy Standards.  |                                 |   |                                     |                              |   |  |  |
| 5am                                | pling Location :                   | Near Siddhartha C                          | avel, Soria "(N15 * a  | 29'59.82972" E1                 | 74" 01'30.0   | 162")                               |                              |   |  |  |
| at or                              | ral Distance : 10.0 r              | nater                                      |  |                                 | Duratio   | n : 24 Him.                         |                              |   |  |  |
| Rece                               | ptor Height : 3.0 m                | eter                                       |  |                                 | Time : 1  | 1:50 am to 11:50 am                 |                              |   |  |  |
| Rela                               | tive humidity [%                   | 168  |  |                                 | Ambier  | vt Temperature [°C ]:               | 30                           |   |  |  |
|                                    | 1.000.0000.000000                  |  |  | RESULTS                         |   |                                     |                              |   |  |  |
| Sr.<br>No. l                       | Parameters Results                 |  | Limits   | Unit                            | Refer   | Reference Method                    |                              |   |  |  |
| 7                                  | Carbon Monoxid                     | n Monoxide (CO) 0.46 <4.                   |  | <4.0 fpr 1 Hes                  | mg/ m   | 15 5282079                          | 15 51826Fact-105 1999 82019  |   |  |  |
| 8                                  | Lood as (Pb)                       | - 1  | <0.01  | <1.0                            | jug/m   | 15 5182(P)                          | IS 5183(Part-22) 2004 93019  |   |  |  |
| 9                                  | Borgene (C.H.)                     |  | -0.1   | <5.0**                          | jug/m   | (S.5182 (P)                         | IS 5182 (Part 11):2006 82022 |   |  |  |
| 10                                 | Benro(a)Pyrene                     | (0.47)                                     | <0.1   | <1.0**                          | ng/.m   | 15 S382 (P)                         | IS S182 (Part 12):2004 R2015 |   |  |  |
| 11                                 | Amenic (As)                        |  | <50  | <5.0**                          | ne/m  | EPCB Guild                          | EPCB Guideline volume-1:2012 |   |  |  |
| 12                                 | Nickel (NI)                        |  | <6.0   | <20.0**                         | ng/ m   | 15.518.                             | 15 5182(Part-36):2020        |   |  |  |
| *** A.                             | nnual ailthmetic m<br>fourly Value | ian of minimum 104<br>Is supplied by custo | nitoring report all th<br>I measurements in a<br>more represented in<br>MENT CAUBINATION C | year at a partic<br>Italic font |   | e lowits,<br>on twide a wook 34 hou | rly at uniform               | intervalu.                              |  |  |
|                                    | 2000.000                           | 55 - Co.                                   |  | 3.513                           |   | a series for the                    | Calibrati                    | Contraction in the second second second |  |  |
|                                    | Sr. No.                            | Equip                                      | mmtName  | Equi                            | persent 10  | Gertificarte/No.                    | Calibrated<br>Dute           | Calibratio<br>Due Date                  |  |  |
|                                    | 150804057                          |  | Air Sampler d  |                                 | 0,046/17  | ASEM/2023-24/203-14                 | 11/11/2021                   | 13/00/202                               |  |  |
| -                                  | 720804084                          |  | Alt-Sampley-B  |                                 | 16/3A3/3/   | ASPM/2025-24/205-14                 | 13/03/2024                   | 18/01/252                               |  |  |
|                                    | 150804097                          |  | Kir Sampfordt  |                                 | 8/345/37  | 35FMy2025-24/205-14                 | 16/03/2024                   | 18/00/202                               |  |  |
|                                    | 55827                              | Digital Dectr                              | servic Balance   | 56/5                            | MI0/41  | AC\$/450/CM 30/238071               | 16/03/2034                   | 54/00/200                               |  |  |
| MA Digital Spectrostotameter Model |                                    |  |  |                                 | BJW/M Theore Office                                   |                                     |                              |   |  |  |



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This report cannot be reportduced in parts. The results relate to sample firsted.

Figs 2 of 2

Pune: Plut No. 9-24, H Slock, Lai Topi Nagar, Morewull, MIOC, Pimpri-Christwalt, Maharadhtra 411018. Lab: 184,Shreeji Terrace Apt, Plut No. 53, Punta Nagar, Chikhall, Pune: 411019 Vadedara: Plut No. 1, Shah Ind. Park-1, Vadodara: SaWi, Landepune. 191 775 Dist, Vadodra

Customer Care No. +919225247165 Email: Info@shreejtaqua.com Web: www.shreejtaqua.com

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Innucliber Devicements Solutions Under Dag Radf Accedited by NABL as per ISO/EE 17025/2017 Carified by SO 9001/2015, SO 14001/2015 & SO 45007/2018 Recognized by Ministry of Environment, Perest & Climate Change (MeEFCE), Gevt. of India, New Delhi ENVIRONMENT = FOOD = ANIMAL FOOD & FEED = MICRO830LOGY

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| TE:<br>Lab Inward No. : SL/24-25/02/MAA/3371 |   |   |  | ST REPORT  |  |  |  |  |
|--|---|---|--|--|--|--|--|--|
|  |   | /3371   |  | Date of Sampling: 20-21/02/2025  |  |  |  |  |
| Client: Name :                               |   |   | Start e  | of analysis: 21/0  | 32/2025                                |  |  |  |
| M/s. VEDANTA LIMITED                         |   |   | End of   | Analysis: 25/0   | 2/2025                                 |  |  |  |
|  | E ADDITION BUSINESS, AMONA  | AND NAVELIN   | A, Repor   | t Date: 25/02/2  | 025                                    |  |  |  |
| ясно   | JUM - GOA.  |   | Sampl  | e Drawn By: 5A   | TPL Representative on 20-21/02/2025    |  |  |  |
| Order  | r / Reference: As per TRF dated   | 120/02/2025   |  |  |  |  |  |  |
| Vioni  | toring For: Ambient Air Monit   | oring   |  |  |  |  |  |  |
|  | ling Procedure: As per 15 5182  | and the second |  |  |  |  |  |  |
|  | st *N.A.A.Q.SNational Ambie   | and the state of the   |  | 5781122.0  |  |  |  |  |
|  | ling Location: Near Mosque, Su  | ta (N15*29/51   | or the second seco | and a first state of the second state of the s |  |  |  |  |
|  | al Distance: 10.0 meter   |   |  | Duration: 24 H   |  |  |  |  |
| and the second second                        | ntor Height: 3.0 meter  |   |  | and the second   | m to 11:30 am                          |  |  |  |
| Relative humidity [%]: 68                    |   |   |  | Ambient Tempe  | erature (°C ): 30                      |  |  |  |
| Sr.<br>No.                                   | Parameters  | Results   | RESULTS<br>Limits  | Unit   | Reference Method                       |  |  |  |
| 1  | Sulphur Dioxide (SO <sub>3</sub> )  | 9.77  | <80.0  | µg/m <sup>8</sup>  | IS 5182(Part-2)2001 R2022              |  |  |  |
| 2  | Nitrogen Dioxide (NO <sub>3</sub> )   | 12.65   | <80.0  | µg/m <sup>3</sup>  | 15 5282(Part-6) 2005 R2022             |  |  |  |
| 3  | Particulate Matter PM <sub>18</sub>   | 44.53   | <100.0   | µg/m <sup>®</sup>  | 15 5182 (Part 23)2006 R2022            |  |  |  |
| 4  | Particulate Matter PM <sub>3.5</sub>  | 22.46   | <60.0  | µg/m <sup>1</sup>  | 15.5182 (Part 24)2019                  |  |  |  |
| 5  | Ozone (O <sub>3</sub> )   | <20.0   | <180.0 For 1 H   | s µg/m <sup>®</sup>  | 15 5182(Part-9):#2019                  |  |  |  |
| 6  | Ammonia (NH <sub>3</sub> )  | <14.0   | <400.0   | µg/m <sup>®</sup>  | IS 5182[Part-25]-R2018                 |  |  |  |
| inifo<br>"Hou                                | muai antimetic mean of minin<br>rm intervals.<br>urly Value<br>imer: 'Information is supplied |   |  | italic font"   | ilar site taken twice a week 24 hourly |  |  |  |
|  |   |   |  |  | enaging Director<br>horized Signatory  |  |  |  |
| ALC: NOT THE OWNER.                          | rt of the report has been gener   | and the second second second  | and a second   |  |  |  |  |  |

Pare: Plot No. 8:34, H Block, Lai Topi Nagar, Moreward, WDC, Pergni Chirothward, Maharashtea 411018. Late: 164,Shoreji Temate Apt. Plot No. 53, Purna Nagar, Chikhalt, Pure: 411079 Vadodarar, Plet No. 1, Unith Int, Park-1, Vadodam-Savit, Landapura 391 375 Dirt, Vadodra Castomer Care No.: +914225347365 Email: Info@thordaqua.com: Wellt www, shorejaqua.com Shoreji Agun Is always subject to improvement for better customer satisfaction, we welcome your feedback on pume, Jabashorejiaqua.com

#### [| Shree# ||



## SHREEJI AQUA TREATMENT PVT. LTD.

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Interactions Recovering by Missister of the

Recognized by Ministry of Environment, Forest & Climan Change (MoLFCC), Govt. of Italia, New Celhi

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| and the second                        | The second s |                   | 1653        | REPORT                                    | And the second second |                                      |  |  |
|---------------------------------------|--|-------------------|-------------|---|-----------------------|--------------------------------------|--|--|
| Lab Inward No. : 5L/24-25/02/MAA/337) |  |                   |             | Date of Sampling: 20-21/02/2025           |                       |                                      |  |  |
| Client Name :                         |  |                   |             | Start o                                   | of analysis: 21/      | 02/2025                              |  |  |
| 10000000                              | EDANTA LIMITED   | a series and the  | 20          | End of                                    | Analysis: 25/0        | 2/2025                               |  |  |
|                                       | VALUE ADDITION BUSINESS, AMONA AND NAVELIM,<br>BICHDLIM – GOA.   |                   |             | Repor                                     | t Date: 25/02/        | 2025                                 |  |  |
|                                       |  |                   |             | Sampl                                     | le Drawn By: Si       | ATPL Representative on 20-21/02/2025 |  |  |
| Order ,                               | / Reference: As per TRF dat  | ed 20/02/2025     | 1           |   |                       |                                      |  |  |
| Monite                                | oring For : Ambient Air Mor  | litoring          |             |   |                       |                                      |  |  |
| Samplin                               | g Procedure : As per 15 5182   |                   |             |   |                       |                                      |  |  |
| Limița ;                              | "N.A.A.Q.S. National Ambient /   | ir Quality Standa | ndis.       |   |                       |                                      |  |  |
| Sampli                                | ing Location 1 Near Mosque,5   | urla (N15*29'51   | .67104" 874 | 017.0-                                    | (\$327)               |                                      |  |  |
| Lateral Distance : 10/0 meter         |  |                   |             | Duration : 24 Hrs.                        |                       |                                      |  |  |
| Recepto                               | er Height : 3.0 meter  |                   |             | Time : 11:30 am to 11:30 am               |                       |                                      |  |  |
| Relativ                               | e humidīty [%]: 68   |                   |             | Amblent Temperature [ <sup>0</sup> C]: 30 |                       |                                      |  |  |
|                                       |  |                   | RÉSU        | H.TS                                      |                       |                                      |  |  |
| Sr.<br>No.                            | Parameters   | Results           | Limi        | 6   | Unit                  | Reference Method                     |  |  |
| 7                                     | Earbon Monoxide (CO)   | 0.42              | <4.0 for    | 1 Hrs                                     | mg/m3                 | (5.5182(Part-10):1999 82019          |  |  |
| 8                                     | Lead as (Pb)   | <0.01             | <1.)        | 9   | ug/m <sup>4</sup>     | IS 5182(PW1-22):2004 R2019           |  |  |
|                                       | Benzene (C <sub>p</sub> H <sub>a</sub> )   | <0.1              | <5.0        | ••  | ug/m <sup>2</sup>     | (5.5182 (Pwit 11) 2006 P2022         |  |  |
| 10                                    | Benzo(a)Pyrane (BaP)   | <0.1              | <1.0        | ••  | mg/in <sup>8</sup>    | (5 5162 (Pwrt 12):2004 n2019         |  |  |
| 11                                    | Arsonic (As)   | <5.0              | -05,0       | **  | ng/m <sup>3</sup>     | CPIC8 Guideline volume-1/2012        |  |  |
| 12                                    | Nickel (Ni)  | <6.0              | <20.0       | **  | ng/m +                | IS \$182(Part 26) 3020               |  |  |

\* 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

Discipliner: Vaformation is supplied by customers represented in italic foot

| Sr.No. | FiguipmentManue                    | Equipment ID     | CertificateNo.       | Calibration Detail |                         |  |
|--------|------------------------------------|------------------|----------------------|--------------------|-------------------------|--|
|        |                                    | STREETENST       | All All Constraints  | Calibrated<br>Date | Calibration<br>Ove Date |  |
|        | Ambient Air Sampler-6              | SATPL/AIR/945/34 | AS758/2025-24/205-12 | 19/03/2004         | 18,03/2025              |  |
|        | Antriont for Sampler-6             | SATPL/AIR/AAS/34 | ASHM/2075-24/205-12  | 29/03/2024         | 18/03/2025              |  |
|        | Ambient Air Sampler 6              | SATPL/A/R/AA5/34 | ASPM/2023-24/205-12  | 10/03/2024         | 18/03/2025              |  |
| 55627  | Digital Electronic Balanco         | SL/SM0/43        | ACS/456/CM 30/230012 | 10/03/2024         | 11/01/2025              |  |
|        | Digital Spectrophotometer<br>Model | \$1/1/1/34       |                      | InBou              | ie Calibration          |  |



Managing Director

For Shreeji Aqua Treatment Pvt. Ltd.

of scale 3, MARIE Walls' Linear ST/06/20096

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Page 2 of 2

Flat No. 8-24, H Block, Lai Tepi Nagar, Monewold, MIDC, Pimpri-Chinchwood, Maharashtro 411018. Pane: 184, Simeji Terrace Apt. Plot No. 53, Pama Nagar, Chikhali, Pune; 411019 Lab: Vadodara: Pint No.1, Shah Ind. Park-1, Vadodaro-Savit, Lamdepora, 391 775 Ditt. Vadodra

Customer Care No.: +010225247365 Email: info@shreeSagua.com Web: www.shreeSagua.com

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|                 |                                      |  | TEST REP         |                                 |                                       |  |  |  |
|-----------------|--------------------------------------|--|------------------|---------------------------------|---------------------------------------|--|--|--|
| Lab In          | ward No. : SL/24-25/03/MA            | A/1210   | Date             | Date of Sampling: 20-21/03/2025 |                                       |  |  |  |
|                 |                                      |  |                  | t of analysis: 21               | /03/2025                              |  |  |  |
| M/s. 1          | VEDANTA LIMITED                      |  | End              | of Analysis: 25/                | 03/2025                               |  |  |  |
|                 | E ADDITION BUSINESS, AMON            | A AND NAVE   | LIM, Rep         | ort Date: 25/03,                | /2025                                 |  |  |  |
| BICHOLIM - GOA. |                                      |  |                  | ple Drawn By: 5                 | SATPL Representative on 20-21/03/2025 |  |  |  |
| Order           | / Reference: As per TRF date         | d 27/02/20   | 25               |                                 |                                       |  |  |  |
| Monit           | toring For : Amblent Air Mon         | itoring  |                  | _                               |                                       |  |  |  |
| and the second  | ling Procedure : As per IS S18       | and the second |                  |                                 |                                       |  |  |  |
| Limits          | s: "N.A.A.Q.SNational Amb            | lent Air Qua   | ity Standards.   |                                 |                                       |  |  |  |
| Samp            | ling Location : Near Siddharth       | a Caves, Surfa   | /N15 * 29'59.829 | 72" E74" 01'30.03               | (62")                                 |  |  |  |
|                 | al Distance : 10.0 meter             |  |                  | Duration : 24 Hrs.              |                                       |  |  |  |
|                 | ntor Height : 3.0 meter              |  |                  | Time : 11:50 am to 11:50 am     |                                       |  |  |  |
| Relati          | ve humidity [%]: 68                  |  | RESULTS          | Amblent Temperature [°C]: 34    |                                       |  |  |  |
| Sr.             |                                      |  | ACOULIS          |                                 |                                       |  |  |  |
| No.             | Parameters                           | Results  | Limits           | Unit                            | Reference Method                      |  |  |  |
| 1               | Sulphur Dioxide (SO <sub>2</sub> )   | 9.77   | <80.0            | µg/m³                           | IS 5182(Part-2)2001 R2022             |  |  |  |
| 2               | Nitrogen Dioxide (NO <sub>2</sub> )  | 12.68  | <80.0            | µg/m <sup>3</sup>               | IS 5182(Part-6)2006 R2017             |  |  |  |
| 3               | Particulate Matter PMut              | 58.23  | <100.0           | µg/m <sup>1</sup>               | (5 5182 (Part 23)2006 R2022           |  |  |  |
| 4               | Particulate Matter PM <sub>2.5</sub> | 28.28  | <60.0            | ug/m <sup>1</sup>               | IS 5182 (Part 24)2019                 |  |  |  |
| 5               | Ozone (O <sub>1</sub> )              | <20.0  | =180.0 For 1 He  | s µg/m²                         | i5 5182(Part-9):R2019                 |  |  |  |
|                 | Ammonia (NH <sub>1</sub> )           | <14.08   | <400.0           | ug/m <sup>3</sup>               | 15 5182(Part-25):R2018                |  |  |  |

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SIMManaging Director Authorized Signatory

For Shreeji Aqua Treatment Pvt. Ltd.

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

Page 1 of 2

Puste Plot No B 24, H Block, La Topi Nagar, Morewold, MIDC, Pinper-Chinchwart, Naharashma 411018. Late: 1845hree) Tettere Apt. Plot No. 51, Purna Nagar, Chikhali, Pune: 411019 Vadiotlant: Piot No.1, Shah Ind. Park-1, Vadiodara-Sovil, Lansdapara. 391 775 Dist. Vadiodra Customer Care No.: +919/225367365 Email: Info@shrunj@qua.com Web: www.shrunjaqua.com Shreejl Agua is always subject to improvement for better customer antisfection, we welcome your feedback on pone, lakeholverglague.com Shreeji



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|  |  |                           | TEST REPORT      | 1   |                                   |  |  |
|--|--|---------------------------|------------------|---|-----------------------------------|--|--|
| Lab Inward No. : 5L/24-25/03/MAA/1210  |  |                           |                  | Sampling: 20-2                            | 1/03/2025                         |  |  |
| Contraction of the local sectors of the local secto | it Name :                                |                           | Start of a       | analysis: 21/03                           | /2025                             |  |  |
| M/s.   | VEDANTA LIMITED                          |                           | End of A         | nalysis: 25/03/                           | 2025                              |  |  |
| VAL  | JE ADDITION BUSINESS, AMONA A            | NO NAVELIM. BICHOLIM      | _ Report D       | ate: 25/03/20                             | 25                                |  |  |
| GOA.   |  |                           |                  | Drawn By: SAT                             | PL Representative on 20-21/03/202 |  |  |
| Ord  | er / Reference: As per TRF dat           | ed 27/02/2025             |                  |   |                                   |  |  |
| Mor  | nitoring For : Ambient Air Mor           | ltoring                   |                  |   |                                   |  |  |
|  | pling Procedure : As per 15 5182.        |                           |                  |   |                                   |  |  |
| Limit  | is: *N.A.A.Q.SNational Arobient A        | ir Quality Standards      |                  |   |                                   |  |  |
| Sam  | pling Location : Near Siddharth          | a Caves, Sorta "(N15 * 2) | Y59.82972" E5    | 4" 01'30.0162"]                           |                                   |  |  |
| Later  | ral Distance : 10.0 meter                |                           |                  | Duration : 24 Hrs.                        |                                   |  |  |
| Rece   | ptor Height : 3.0 meter                  |                           |                  | Time : 11:50 am to 11:50 am               |                                   |  |  |
| Rela   | tive humidity [76]: 68                   |                           |                  | Ambient Temperature [ <sup>0</sup> C]: 34 |                                   |  |  |
|  |  |                           | ESULTS           |   |                                   |  |  |
| Sr.<br>No.   | Parametera                               | Results                   | Limits           | Unit                                      | Reference Method                  |  |  |
| 7  | Carbon Monoxide (CO)                     | 0.43                      | off.0 for 1 Hits | mg/m3                                     | 75 \$182(Part-10):1999 R2019      |  |  |
| 8  | Lead as (Pb)                             | -0.01                     | <1.0             | Jug/m3                                    | IS 5182(Part-22):2004 82019       |  |  |
| 9  | Benzene (C <sub>c</sub> H <sub>c</sub> ) | <0.1                      | <5.0**           | Jug/m3                                    | 15 5182 (Part 11) 2006 82022      |  |  |
| 10   | Benzo(a)Pyrene (BaP)                     | -02.1                     | <1.0**           | ng/m3                                     | IS S182 (Part 12):2004 R2019      |  |  |
| 11   | Arsonic (A4)                             | <1.0                      | <6.0**           | ng/m3                                     | CPCB Guideline volume-1:2012      |  |  |
| 12   | Nickel (Ni)                              | -05                       | <20.0**          | pu/m3                                     | 15 51.820Part-261-2020            |  |  |

\*\* Annual anthmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 26 hourly at uniform intervals. Hourly Value

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EQUIPMENT CAUBRATION DETAILS

|            |                                    |                     | Contraction in the  | Celibration Detail |                         |  |
|------------|------------------------------------|---------------------|---------------------|--------------------|-------------------------|--|
| Sr. No.    | EquipmentName                      | Equipment ID        | CertificateNo.      | Calibrated<br>Date | Calibration<br>Due Date |  |
| 201204154  | Ambient Air Sampler 3              | SATPL/AR/AA5-03/124 | 25013300,/07        | 38/03/3025         | 17/03/2026              |  |
| 0307534576 | Cligital Electronic Balance        | SATPL/WT/WL/29      | FSC/25/03/18/01/005 | 15/00/2025         | 34,411/2020             |  |
| NA .       | Digital Spectrophotometer<br>Model | SATPL/WT/UN/30      |                     | lefting.           | e Calibration           |  |

For Shreeji Aqua Treatment Pvt. Ltd.





End of Test Report-

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Page 1 of 2

Pune First No. 9-24, H Block, Lei Topi Nagat, Morrweid, MIDC, Pimpri Chinchweid, Maharashtra 411018. Lafet 184.Shreeji Terrace Apt. Plot No. SJ, Pursa Nagar, Chikhak, Pune: 411019 Vadadara: Plot No.1, Shah Ind. Park: 1, Vadodara-Savil, Lamdapura. 391 775 Dist. Vadora-Centemer Care Misz +919225247365 Email: infogethreejlagus.com Web: www.shreejlagus.com

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| the second s |  | and the second second second   | TREPORT  |   |  |  |  |
|--|--|--|--|---|--|--|--|
| ard No. : SL/24-25/03/MAA/   | 121N   | Dat  | Date of Sampling: 20-21/03/2025  |   |  |  |  |
| ame :  |  | Sta  | rt of an   | alysis: 21/0  | 3/2025   |  |  |
| DANTA LIMITED  |  | End  | f of And   | ilysis: 25/03   | 3/2025   |  |  |
| DOITION BUSINESS, AMONA  | AND NAVEUM,  | Reg  | ort Da   | te: 25/03/2   | 025  |  |  |
| M – GOA.   |  | San  | nple Dr  | awn By: SA  | TPL Representative on 20-21/03/2025  |  |  |
| Reference: As per TRF dated  | 27/02/2025   |  |  |   |  |  |  |
| ring For: Ambient Air Monito   | oring  |  |  |   |  |  |  |
| g Procedure: As per IS 5182  |  |  |  |   |  |  |  |
| *N.A.A.Q.5National Ambier  | it Air Quality 51  | tandards.  |  |   |  |  |  |
| ig Location: Near Musque, Sur  | la (N15 * 29'51.6  | 7104" €74" 01  | (7.0453  | 27)   |  |  |  |
| Distance: 10.0 meter   |  |  | Duration: 24 Hrs.  |   |  |  |  |
| ar Height: 3.0 metar   |  |  | Time : 11:30 am to 11:30 am  |   |  |  |  |
| humidity [%]: 68   |  | and do not the   | Ambient Temperature ["C ]: 34  |   |  |  |  |
|  |  | RESOLT   | 2  |   |  |  |  |
| Paraméters   | Results  | Limits   |  | Unit  | Reference Method   |  |  |
| Sulphur Dioxide (50 <sub>3</sub> )   | 7.16   | <80.0  |  | µg/m <sup>3</sup>   | IS 5182(Part-2)2001 R2022  |  |  |
| Nitrogen Dioxide (NO <sub>2</sub> )  | 14.53  | <80.0  |  | µg/m <sup>®</sup>   | IS 5182(Part-6)2006 R2017  |  |  |
| Particulate Matter PM <sub>10</sub>  | 52.10  | <100.0   | R  | µg/m <sup>3</sup>   | IS 5182 (Part 23)2006 R2022  |  |  |
| Particulate Matter PM <sub>2.5</sub>   | 24.53  | <60.0  |  | µg/m <sup>2</sup>   | IS 5182 (Part 24)2019  |  |  |
| Ozone (O <sub>3</sub> )  | <20.0  | <180.0 For 1   | L Hrs  | µg/m <sup>1</sup>   | 15 5182(Part-9):R2019  |  |  |
| Ammonia (NH <sub>3</sub> )   | <14.08   | <400.0   | ř.   | µg/m <sup>1</sup>   | IS 5382(Part-25):R2018   |  |  |
|  | DANTA LIMITED<br>DOITION BUSINESS, AMONA<br>M – GOA.<br>Reference: As per TRF dated<br>ing For: Ambient Air Monito<br>g Procedure: As per IS 5182<br>"N.A.A.Q.SNational Ambier<br>g Location: Near Mosque, Sur<br>Distance: 10.0 meter<br>r Height: 3.0 meter<br>r Height: 3.0 meter<br>humidity [%]: 68<br>Parameters<br>fulphur Dioxide (SO <sub>2</sub> )<br>Nitrogen Dioxide (NO <sub>3</sub> )<br>Particulate Matter PM <sub>10</sub><br>Particulate Matter PM <sub>10</sub><br>Dzone (O <sub>3</sub> )<br>Ammonia (NH <sub>3</sub> ) | DANTA LIMITED DOTTION BUSINESS, AMONA AND NAVEUM, M – GOA. Reference: As per TRF dated 27/02/2025 ing For: Ambient Air Monitoring g Procedure: As per IS 5182 "N.A.A.Q.SNational Ambient Air Quality 59 g Location: Near Musque, Surla (N15 * 29'51.6 Distance: 10.0 meter r Height: 3.0 meter r Height: 3.0 meter humidity [96]: 68 Parameters Results Full Parameters Results Full Parameters Results Full Parameters Full Parameter PM <sub>10</sub> Particulate Matter PM <sub>10</sub> S24.53 Dzone (O <sub>8</sub> ) < <20.0 Parameter (NH <sub>3</sub> ) < <14.08 | DANTA LIMITED<br>DOTTION BUSINESS, AMONA AND NAVELIM,<br>M – GOA.<br>Reference: As per TRF dated 27/02/2025<br>ing For: Ambient Air Monitoring<br>g Procedure: As per IS 5182<br>*N.A.A.Q.SNational Ambient Air Quality Standards.<br>g Location: Near Musque, Suria (N15 * 29'51.67104* £74* 0)<br>Distance: 10.0 meter<br>r Height: 3.0 meter<br>r Height: 3.0 meter<br>humidity [%]: 68<br>RESULT<br>Parameters<br>Results Limits<br>Results Limits<br>Results Construction (NO <sub>2</sub> ) 14.53 <80.0<br>Particulate Matter PM <sub>28</sub> 52.10 <100.0<br>Particulate Matter PM <sub>28</sub> 52.0<br>Particulate Matter PM <sub>28</sub> 52.0<br>Particulate Matter PM <sub>28</sub> 52.0<br>Particulate Matter PM <sub>28</sub> 52.0<br>Particulate Matter PM <sub>28</sub> | AANTA LIMITED DOTION BUSINESS, AMONA AND NAVEUM, M - GOA.  Reference: As per TRF dated 27/02/2025 ing For: Ambient Air Monitoring g Procedure: As per IS 5182 'N A.A.Q.SNational Ambient Air Quality Standards. g Location: Near Mesque, Surla (N15 * 29'31.67104* E74* 01'7.0453 Distance: 10.0 meter r Height: 3.0 meter humidity [%]: 68  RESULTS Parameters Results Limits Ammeters Results Limits Ammeter PM38 S2.10 <100.0 Particulate Matter PM38 S2.0 Automation Carticulate Matter PM38 C20.0 Conne (O3) <14.08 <400.0 | AANTA LIMITED<br>DOITION BUSINESS, AMONA AND NAVELIM,<br>M – GOA.<br>Reference: As per TRF dated 27/02/2025<br>Ing For: Ambient Air Monitoring<br>g Procedure: As per IS 5182<br>"N.A.A.Q.SNational Ambient Air Quality Standards.<br>g Location: Near Mosque, Surla (N15 ° 29'S1.67104° E74° 01'7.04532")<br>Distance: 10.0 meter<br>r Height: 3.0 meter<br>r Height: 3.0 meter<br>r Height: 3.0 meter<br>r Height: 3.0 meter<br>r Metaght: 3.0 meter<br>Results<br>Ambient Tempe<br>RESULTS<br>Parameters<br>Results<br>Limits<br>Unit<br>Sulphur Dioxide (SO <sub>2</sub> )<br>At.53<br>Particulate Matter PM <sub>25</sub><br>Distance (O <sub>8</sub> )<br>Arbore 1 Hrist<br>Ambient PM <sub>25</sub><br>Distance (O <sub>8</sub> )<br>Ambient PM <sub>25</sub><br>Corne (O <sub>8</sub> )<br>Ambient PM <sub>25</sub><br>Corne (O <sub>8</sub> )<br>Ambient PM <sub>25</sub><br>Corne (O <sub>8</sub> )<br>Corne (O <sub>8</sub> )<br>Cor |  |  |



SIM Managing Director

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

Page 1 of 2

Punne Picz No. 8-34, H Block, Lai Tupi Nagar, Morewudi, MiDC, Pingel-Chirchwari, Maharashtra 411018. Lahi S&A.Shineyi Turixizi Apt, Pict No, S3, Purna Nagar, Chikhall, Paner, 611019. Vadoalana: Picz No. 1, Shini Tud, Parle V, Vadoalove Sorii, Lanydapian, 391,775 Dirt, Vadoalia.

Customer Care No.: +010225247363 Email: Info@shtsejiaqua.com Web: www.shtenjiaqua.com

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|| Shreeji ||

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|  |  | Contraction of the Contraction | and and an internal section of an internal section. | REPORT                                     | and the state of t | india & WABL Valid Up to 13/06/2026. |  |  |
|--|--|--------------------------------|---|--|--|--------------------------------------|--|--|
| Lab Inward No. : \$L/24-25/03/MAA/121N |  |                                |   | Date of Sampling: 20-21/03/2025            |  |                                      |  |  |
| Client Name :                          |  |                                |   | Start (                                    | of analysis: 21/   | 03/2025                              |  |  |
| M/s_V                                  | EDANTA LIMITED                           |                                |   | End of                                     | Analysis: 25/0   | 3/2025                               |  |  |
| VALUE                                  | ADDITION BUSINESS, AMON                  | A AND NAVELI                   | м,  | Repor                                      | t Date: 25/03/7  | 2025                                 |  |  |
| BICHO                                  | um - goa.                                |                                | 870   | Sampl                                      | e Drawn By: S/   | ATPL Representative on 20-21/03/202  |  |  |
| Order                                  | / Reference: As per TRF dat              | ed 27/02/2025                  |   |  |  |                                      |  |  |
| and the local division of              | oring For : Ambient Air Mor              |                                | -   |  |  |                                      |  |  |
| and the second second                  | ng Procedure : As per 15 5182            |                                |   |  |  |                                      |  |  |
|  | "N.A.A.Q.SNational Ambient #             | ir Quality Standa              | rda.  |  |  |                                      |  |  |
| Samol                                  | ing Location : Near Mosque,5             | orta (N15 * 29'5)              | 67104° E74  | 01'7.04                                    | (532*)   |                                      |  |  |
| 100 C                                  | Distance   10.0 meter                    |                                | 0.000.000   | Duration : 24 Hrs.                         |  |                                      |  |  |
| Recepto                                | or Height : 3.0 meter                    |                                |   | Time : 11:30 am to 11:30 am                |  |                                      |  |  |
| Relativ                                | ve humidity [%]: 68                      |                                |   | Ambient Temperature [ <sup>0</sup> C ]: 34 |  |                                      |  |  |
| _                                      |  |                                | RESU  | LTS  |  |                                      |  |  |
| Sr.<br>No.                             | Parameters                               | Results                        | UmA   | ts   | Unit   | Reference Method                     |  |  |
| 7                                      | Carbon Monoxide (CO)                     | 0.47                           | <4.0 for  | 1.110                                      | mg/m3  | 15 5182(Part-10): 1999 R2019         |  |  |
| 8                                      | Load as (Pb)                             | <0.01                          | <1.0  |  | µg/m <sup>3</sup>  | IS 5182(Part-22):2004 R2019          |  |  |
| 9                                      | Benzene (C <sub>6</sub> H <sub>8</sub> ) | <0.1                           | <5.0*   | •  | jug/m <sup>8</sup>   | 15 5182 (Part 11):2006 R2022         |  |  |
| 10                                     | Benzo(a)Pyrone (BaP)                     | <0.1                           | <1.0*   | •  | ng/m²  | i5 5182 (Part 12):2004 R2019         |  |  |
| 11                                     | Acsenic (As)                             | <1.0                           | =6.0*   | 1 I  | ng/m <sup>2</sup>  | CPCB Guideline volume-1:2012         |  |  |
| 12                                     | Nickel (NI)                              | <0.5                           | <20.0   | **   | ng/m   | 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

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EQUIPMENT CAUBBATION DETAILS

| 5r. No.    | EquipmentName                       | Equipment 10         | Cartifications.   | Calibration Detail |                         |  |
|------------|-------------------------------------|----------------------|-------------------|--------------------|-------------------------|--|
|            |                                     |                      |                   | Calibrated         | Calibration<br>Due Date |  |
| 150504080  | Ambient Air Sampler-7               | SATPL/AR/AAS-02/3.23 | 25031301/06       | 18/53/2015         | 17/03/2076              |  |
| 0907534576 | Digital Electronic Balance          | SATPL/WT/WL/39       | PSC/2503/1801/005 | 15/01/2025         | 14/00/202               |  |
| NA         | Digital Spectrophytometer,<br>Model | SATPL/WT/UV/30       |                   | intros             | ne Calibration          |  |

For Shreeji Aqua Treatment Pvt. Ltd.





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Page 2 of 2

Flot No. 8-24. H Block, La Topi Nagar, Noveword, MIDC, Pimpri-Chinchwed, Maharashtra 411018. Puter Labe: 184, Shreeji Temace Apt, Plot No. 53, Puma Nagar, Chikhall, Pune: 411019 Vaduelanse Piert No.1, Shah Ind. Park 1, Vadoelana Savli, Landapura, 391 775 Dist, Vadoeba Culturior Care No.: +910225247365 Email: infuguinergiaqua.com Web: www.shreeplaqua.com

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# <u>Annexure X</u> <u>Riverine water quality reports</u>



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|       |   | TEST REPO   | ORT        |              | 14                                | 01/10/2024  |  |
|-------|---|---|------------|--------------|-----------------------------------|---|--|
| Samp  | ile / Report No.                                      | 5L/24-25/09/MWW/257   |            |              |                                   |   |  |
| Name  | e of Customer   | M/s. VEDANTA LIMITED ( MET COKE DIVISION)   |            |              |                                   |   |  |
| Addr  |   | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, &<br>42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM<br>GOA. |            |              |                                   |   |  |
| Orde  | r / Reference .                                       | As per TR   | F Dated 24 | 5/09/202     | 14                                |   |  |
| Samp  | ile declaration as provided by c                      | istomer :   |            | 9110 - 1770- |                                   | 110-221   |  |
| Natur | re of Sample  | River upstream sample (100 mtrs. upstream from discharg<br>point)   |            |              |                                   |   |  |
| Batch | i No.   | NA  |            |              |                                   |   |  |
| Samp  | sle Drawn by  | SATPL Team on 26/09/2024 Sample Received On 27/09/  |            |              |                                   | a 27/09/2024  |  |
| Start | of Analysis   | 27/09/2024 End of Analysis 01/10/   |            |              | 01/10/2024                        |   |  |
| Samp  | ole Container   | Plastic Can   | 0.         |              | Sample Quantity                   | 02.lit.   |  |
| Samp  | ling Procedure  | APHA 106  | 0 (Part B) | (a           | and the second                    |   |  |
| Limit |   | GSPCB Cor<br>AS per Clar  |            |              | PC8/1872509/R000                  | 13366   |  |
| Chem  | ical Testing  |   |            |              |                                   |   |  |
| Sr.No | Parameters  | Results   | Limits     | Unit         | Method                            |   |  |
| 1     | pH  | 7.18  | 6.5-8.5    | Certific (   | APHA, 24* Edition 20              | 237 4500-H+1  |  |
| 2     | Dissolved Oxygen                                      | 3.7   | <4.0       | mg/lit       | APHA, 24 <sup>th</sup> Edition 20 | second states and the second states of the local states and |  |
| 3     | Turbidity   | 6.6   | <30.0      | NTU          | APHA 24th edition:                | 2130-B: 2023  |  |
| 4     | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2.2   | <3.0       | mg/lit       | IS 3025 (Part 4                   | 14):2023  |  |
| 5     | Temperature   | 27.8  | 1          | PC -         | 1\$ 3025(Part)                    | 0.2023  |  |

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit. Note: NA-Not Applicable.

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Verified By

Sr.Analyst



For Shreejl Aqua Treatment Pvt. Ltd.

**Quality Manager** Authorized Signatory

Page 1 of 2

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

 Plat No. 8-24. If Block, Lai Topi Yagar, Moreward, MIDC, Pimpri-Chinchword, Maharashtra 411018. Parent: Lab: 1.54.Shreeji Tirriice Apr. Plot No. 33, Parta Nagar, Chikhall, Paris: 411019 Yadixdana: Plot No. 1, Shah Ind. Park-1, Vadodara-Tavit, Landapura, 391 775 Dist. Vadodina

Customer Care No.: +919225347365 Email: info@shivejiaqua.com Web: www.shreejiaqua.com

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SHREEJI AQUA TREATMENT PVT. LTD.

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|| Shreeji ||

|                                | TEST REPORT  |                           |                        |  |  |  |
|--------------------------------|--|---------------------------|------------------------|--|--|--|
|                                | 21 (24 MIR 2001 (2022 2016   |                           | 01/10/2024             |  |  |  |
| Sample / Report No.            | SL/24-25/09/MWW/257  |                           |                        |  |  |  |
| Name of Castomer               | M/s. VEDANTA LIMITED ( ME  | COKE DIVISION)            |                        |  |  |  |
| Address of Customer            | (WASTE HEAT RECOVERY POWER PLANT – I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, № 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA. |                           |                        |  |  |  |
| Order / Reference              | As per TRF Dated 26/09/2024  |                           |                        |  |  |  |
| Sample declaration as provided | by customer :  |                           |                        |  |  |  |
| Nature of Sample               | River upstream sample (100   | mtrs. upstream from dis   | charge point)          |  |  |  |
| Batch No.                      | NA   |                           | Long a construction of |  |  |  |
| Sample Drawn by                | SATPL Team on 26/09/2024   | Sample Received On        | 27/09/2024             |  |  |  |
| Start of Analysis              | 27/09/2024   | End of Analysis           | 01/10/2024             |  |  |  |
| Sample Container               | Sterile Plastic Bottle   | Sample Quantity           | 100 ml                 |  |  |  |
| Sampling Procedure             | IS (1622):1981R2019  | State of the second state |                        |  |  |  |
| Limits                         | GSPCB Consent No.12/2023-P0<br>A5 per Class SW II Waters   |                           |                        |  |  |  |

| Biolog | gical Testing  |         |        |            |                    |
|--------|----------------|---------|--------|------------|--------------------|
| Sr.No  | Parameters     | Results | Limits | Unit       | Method             |
| 1      | Fecal coliform | 80.0    | <100.0 | MPN/100 ml | 15[1622]:1981#2019 |

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<br>Data |             |  |
|            | µii Meter                    | 5L/pH-Mgr-1/01 | ACS/456/EM106/220034  | 19/03/2024              | 18/03/2025  |  |
| B307534576 | Analytical Weighing Balance  | -51,/AB-2/07   | ACS/456/CM106/230040  | 19/03/2824              | 18/83/2025  |  |
| 1022-040   | COO Digestion Apploration    | 51,/0004/10    | AC5/456/CM106/230040  | 19/03/2024              | 10/03/2025  |  |
|            | 800 Incubator                | SL/800/23      | AC\$/456/EM106/230045 | 19/03/2924              | 18/03/2025  |  |
|            | Oven                         | IL/HAO-1/03    | ACS/456/DM106/230036  | 19/03/2024              | 38/03/2025  |  |
| 66058      | Water Bath                   | SL/WB/00       | ACS/456/CM106/220041  | 19/03/2624              | 10/03/2025  |  |
| 10242      | Autoclave                    | SL/AC-1/26     | ACS/456/CM106/230004  | 19/01/2024              | 10/03/2025  |  |
| NA         | UV Visible Sportrophotometer | _SL/UV/34      | P., market            | In house                | Calibration |  |



Verified By; umbhat

**Technical Manager** 

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

Page 2 of 2

The results relate to sample tested.

Pune: Flot No. 5-34. H Block, Lal Tool Nagar, Morewadi, MIDC, Porgni Chinchwed, Maharashtra 411018. Lab: MA.Shrenji Terruco Apr, Flot No. 33, Punra Nagar, Chikhak, Pune; 411019 Vadodane: Ptot No.1, Shah Ind. Fark-1, Vadodara-Sark, Landapura. 391 775 Dist, Vadodae Castomer Care No.: +919225247365 Email: Info@strenjtiqua.com Web: www.shrenjtagua.com Shreegi Agua Is always subject to Improvement for better customer satisfaction, we welcome your feedback on pune. Jakatshrenjiagua.com

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|             |                                       | TEST REP  | ORT        |           |                          |              |
|-------------|---------------------------------------|---|------------|-----------|--------------------------|--------------|
|             | · · · · · · · · · · · · · · · · · · · | providente en la  |            |           |                          | 01/10/2024   |
| Sample / R  | eport No.                             | SL/24-25/09/MWW/256   |            |           |                          |              |
| Name of Cu  | istomer                               | M/s. VED  | ANTA LIN   | ITTED ( ) | <b>IET COKE DIVISION</b> |              |
| Address of  | Customer                              | (WASTE HEAT RECOVERY POWER PLANT - 1)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, &<br>42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM -<br>GOA. |            |           |                          |              |
| Order / Re  | ference                               | As per T  | RF Dated 2 | 6/09/20   | 24                       |              |
| Sample de   | claration as provided l               | y customer :  |            |           |                          |              |
| Nature of 5 | iample                                | River do<br>discharge   |            | sample    | (100 mtrs. downstre      | am from      |
| Batch No.   |                                       | NA  | d9 - 19 -  |           |                          | 10           |
| Sample Dr   | awn by                                | SATPL To  | am on 26,  | /09/2024  | Sample Received 0        | a 27/09/2024 |
| Start of An | alysis                                | 27/09/2   | 024        |           | End of Analysis          | 01/10/2024   |
| Sample Co   | ntainer                               | Plastic Cr  | in.        |           | Sample Quantity          | 02 lit.      |
| Sampling B  | rocedure                              | APHA 10   | 60 (Part B |           |                          |              |
| Limits      |                                       | GSPC8 Consent No.12/2023-PCB/1872509/R00013366<br>A5 per Class SW – II Waters   |            |           |                          |              |
| Chemical T  | esting                                |   |            |           |                          |              |
| Sr.No       | Parameters                            | Results   | Limits     | Unit      | Metho                    | d.           |

| Parameters  | Results   | Limits   | Unit  | Method   |
|---|---|--|---|--|
| pH  | 7.22  | 6.5-8,5  |   | APHA, 24th Edition 2023/4500-H+B   |
| Dissolved Oxygen                                      | 3.8   | <4.0   | mg/lit  | APHA, 24th Edition 2023/ 4500-E&C  |
| Turbidity   | 6.4   | <30.0  | NTU   | APHA 24th edition: 2130-B: 2023  |
| Bio Chemical Oxygen Demand<br>(BOD) @ 27*C for 3 Days | 2.1   | <3.0   | mg/lit  | 15 3025 (Part 44):2023   |
| Temperature   | 27.8  |  | 90  | 15 3025(Part 9): 2023  |
|   | pH<br>Dissolved Oxygen<br>Turbidity<br>Bio Chemical Oxygen Demand<br>(BOD) @ 27 <sup>a</sup> C for 3 Days | pH     7.22       Dissolved Oxygen     3.8       Turbidity     6.4       Bio Chemical Oxygen Demand     2.1       (BOD) @ 27 <sup>a</sup> C for 3 Days     2.1 | pH     7.22     6.5-8,5       Dissolved Oxygen     3.8     <4.0 | pH         7.22         6.5-8.5            Dissolved Oxygen         3.8         <4.0 |

REMARX: Reference to above testing parameters, given River downstream sample is within the prescribed limit. Note: NA-Not Applicable.

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Sr.Analyst



For Shreeji Agua Treatment Pvt. Ltd.

Quality Manager Authorized Signatory

Page L of 2

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

Parael Plot No. 5-24, H. Bisck, Lal Topi Nagat, Mormaad, MDC, Pimpri-Drinchead, Maharashtta 411018, Lalar 164,Shrooji Tanace Apt. Plot No. 53, Puma Nagat, Chilitali, Punet 411019 Welkelana: Plot No. 1, Shah Ind. Park 1, Vadodara-Sark, Lamdanuro, 391775 Dist, Vadodta

Castomer Care Hour +919225347365 Email: infogrativer (square) Web: www.shreejjaque.com

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|  |                            | TEST REP   | ORT   |   |                                      |  |  |  |
|--|----------------------------|--|---|---|--------------------------------------|--|--|--|
|  |                            |  |   |   |                                      | 01/10/202  |  |  |
| Sample / Ro                                | eport No.                  | SL/24-25   | SL/24-25/09/MWW/256   |   |                                      |  |  |  |
| Name of Cu:                                | stomer                     | M/s. VED.  | M/s. VEDANTA LIMITED ( MET COKE DIVISION)   |   |                                      |  |  |  |
| Address of                                 | Customer                   | SURVEY N<br>74,SURVE   | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA |   |                                      |  |  |  |
| Order / Ref                                | erence                     | As per Ti  | VF Dated 20   | 5/09/2024                                       |                                      |  |  |  |
| Sample dec                                 | laration as provided by cu | istomer :  |   |   |                                      |  |  |  |
| Nature of 5a                               | ample                      | River do<br>point)   | River downstream sample (100 mtrs. downstream from discharge<br>point)  |   |                                      |  |  |  |
| Batch No.                                  |                            | NA   |   |   | A Part I and the state of the Second |  |  |  |
| Sample Dra                                 | wn by                      | SATPL Te   | am on 26/   | 09/2024   | Sample Received On                   | 27/09/2024   |  |  |
| Start of And                               | ilysis                     | 27/09/26   | 24  |   | End of Analysis                      | 01/10/2024   |  |  |
| Sample Con                                 | tainer                     | Sterile Pla  | stic Bottle   |   | Sample Quantity                      | 100 ml   |  |  |
| Sampling P                                 | rocedure                   | 15 {1622}  | 19818201  | 9   |                                      |  |  |  |
| Limits                                     |                            |  | GSPC8 Consent No.12/2023-PC8/1872509/R00013366<br>AS per Class SW II Waters   |   |                                      |  |  |  |
| liological T                               | esting                     |  |   |   |                                      |  |  |  |
| Sr.No                                      | Parameters                 | Results  | Limits  | Unit  | Metho                                | d  |  |  |
| and the second second second second second |                            | the second s | and the second shadowing of   | the state of the state line is the state of the |                                      | and the second |  |  |

 I
 Fecal colliform
 80.0
 <100.0</th>
 MPN/100 ml
 IS [1622]-1981B2019

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

REMARK: Reference to above testing parameters, given eiver downstream sample is within the prescribed limit. Note: NA-Not Applicable.

#### Disclaimer: 'Information is supplied by customers represented in Italic font' EQUIPMENT CALIBRATION DETAILS

| Sec. No    | Equipment Name                                      | Equipment ID   | Certificate No.      | Calibration Detail |                         |  |
|------------|---|----------------|----------------------|--------------------|-------------------------|--|
|            | 15 M ( 10 7 1 5 1 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                |                      | Galibrated Data    | Calibration Doe<br>Date |  |
|            | pH Metter   | 3L/pH-Mir-1/01 | ACS/456/CM106/230034 | 19/03/2024         | 18/03/2025              |  |
| 0907834576 | Analytical Weighing Balance                         | SL/AB-2/07     | ACS/456/CM106/230040 | 19/01/2024         | 10/03/2025              |  |
| 1022-048   | COD Digration Apparatus                             | 'EL/COD-1/10   | ACS/456/CM106/230043 | -19/03/2024        | 38/93/2025              |  |
|            | BOD Incufator                                       | \$1,/800/23    | ACS/456/CM106/230945 | 10/03/2024         | 18/03/2025              |  |
|            | Over.   | SL/KA0-I/03    | AC5/456/CM106/230036 | 19/03/2024         | 18/03/2025              |  |
| 66850      | Water Bath  | 5L/WB/08       | ACS/456/CM106/230041 | 19/03/2024         | 10/93/2025              |  |
| 10242      | Autoclave   | SL/AC-1/26     | ACS/456/CM106/230004 | 19/03/2624         | 38/83/2025              |  |
| NA         | UV Visible Spectrophotomater                        | _SL/UV/34      |                      | In house           | Calibration             |  |



Verified By,

fumbhaz-

**Technical Manager** 

-End of Test Report-

The results relate to sample tested.

Page 2 of 2

Panie Piot No. 8-34, Hillioch, Lal Topi Nagas, Moreweid, MIDC, Pimpri-Chinchwad, Maharashtva #11018, Lalli T&4,Shreeji Terroce Apt. Piot No. 53, Piana Nagas, Chiphal, Pune: 411010 Vadedaras Piot No.1, Shah Ind. Park-1, Vadodara-Savili, Lamdapura, 381 721 Dist, Vadodara Guatomer Care No.1 +919225247365 Email: Infodorhreijiaque.com Webs www.shreejiaque.com

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Recognized by Ministry of Environment, Porest & Climate Change (MeEFEE), Gord, of India, New Dalhi

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|   |  | TEST REPO   | DRT        |  | 14                                | /10/2024  |  |
|---|--|---|------------|--|-----------------------------------|---|--|
| Same  | de / Report No.                                      | SL/24-25/1  | 0/MWW      | /420   |                                   | and more a  |  |
| and the second se |  | M/s. VEDANTA LIMITED ( MET COKE DIVISION)   |            |  |                                   |   |  |
|   | ess of Customer                                      | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2,<br>42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE A<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHON<br>GOA. |            |  |                                   |   |  |
| Orde  | r/Reference .  | As per TRI  | P Dated 06 | 1/10/202   | 24                                |   |  |
| Samp  | le declaration as provided by o                      |   |            | 1175-01  |                                   |   |  |
| Natu  | re of Sample   | River upstream sample (100 mtrs. upstream from discharg<br>point)   |            |  |                                   |   |  |
| Batch   | n No.  | NA  |            |  |                                   |   |  |
| Samp  | ile Drawn by   | SATPL Tea   | m on 08/.  | 10/2024  | 024 Sample Received On 09/10/2    |   |  |
| Start   | of Analysis  | 09/10/202   | 24         | _  | End of Analysis                   | 14/10/2024  |  |
| Samp  | de Container   | Plastic Can   |            |  | Sample Quantity                   | 02 lit;   |  |
| Samp  | ding Procedure                                       | APHA 106  | (Part B)   |  | and the second state              |   |  |
| Limi  |  | GSPCB Cor<br>AS per Clas  |            |  | PCB/1872509/R0001;                | 1366  |  |
| Chem  | ical Testing   |   | sence w.   |  |                                   |   |  |
| Sr.No   | Parameters   | Results   | Limits     | Unit   | Method                            | and the state of the state  |  |
| 1   | pH   | 7.28  | 6.5-8.5    |  | APHA, 24th Edition 202            | the second se |  |
| 2   | Dissolved Oxygen                                     | 3.9   | <4.0       | the second s | APHA, 24 <sup>+</sup> Edition 202 | the second se |  |
| 3)  | Turbidity  | 8,1   | <30.0      | NTU  | APHA 24th edition: 2              | 130-8 2023  |  |
| -   | Bio Chemical Oxygen Demand<br>(BOD) @ 27% for 3 Davs | 2.0   | <3.0       | mg/lit   | IS 3025 (Part 44                  | ():2023   |  |

27.815 3025(Part 9): 2023 5 Temperature REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit. Note: NA-Not Applicable.

Sec. 1

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Verified by

Sr.Analyst

CHARGHAND 10-41101

For Shreeji Aqua Treatment Pvt.Ltd.

**Odelity Manager** Authorized Signatory

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

Pape 1 of 2

Plot No. II-34, H Block, Lal Topi Nagar, Morewaldi, MEXC, Pimpri Chinchwald, Maharashtra 411018. Fame Labe 184, Shveriji Terrace Apt, Plot No. 53, Puma Nagar, Childhali, Pune 411019 Vailedara: Plot No.1, Shah Int. Park 1, Vadodara-Senfi, Lamdapura. 201 775 Dist. Vadodra

Customer Care No.: -911025347363 Email: Erfoldstynejistpac.com Web: www.shmeliatpac.com

(BOD) @ 27% for 3 Days

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|                                     | TEST REPORT   |                        |               |  |  |
|-------------------------------------|---|------------------------|---------------|--|--|
|                                     |   |                        | 14/10/2024    |  |  |
| Sample / Report No.                 | SL/24-25/10/MWW/42D   |                        |               |  |  |
| Name of Customer                    | M/s. VEDANTA LIMITED ( ME   | COKE DIVISION)         |               |  |  |
| Address of Customer                 | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA |                        |               |  |  |
| Order / Reference                   | As per TRF Dated 08/10/2024   |                        |               |  |  |
| Sample declaration as provided by c | ustomer :   |                        |               |  |  |
| Nature of Sample                    | River upstream sample (100  | mtrs. upstream from do | scharge point |  |  |
| Batch No.                           | NA  |                        |               |  |  |
| Sample Drawn by                     | SATPL Team on 08/10/2024  | Sample Received On     | 09/10/2024    |  |  |
| Start of Analysis                   | 09/10/2024  | End of Analysis        | 14/10/2024    |  |  |
| Sample Container                    | Sterile Plastic Bottle  | Sample Quantity        | 100 ml        |  |  |
| Sampling Procedure                  | IS (1622):1981R2019   |                        |               |  |  |
| Limits                              | GSPC8 Consent No.12/2023-PC8/1872509/R00013366<br>AS per Class SW - II Waters   |                        |               |  |  |
| Biological Testing                  |   |                        |               |  |  |

| ir.No        | Parameters | Results | Limits | Unit       | Method              |
|--------------|------------|---------|--------|------------|---------------------|
| 1 Fecal coli | iform      | 80.0    | <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.

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| Sr. Na.    | Equipment Name               | Equipment ID   | Gertificate No.       | -Calibration Detail |                         |  |
|------------|------------------------------|----------------|-----------------------|---------------------|-------------------------|--|
|            |                              |                |                       | Calibrated Date     | Calibration Doe<br>Date |  |
|            | gift Mirton                  | SL/pH-Mtr-1/01 | ACS/456/CM106/230104  | 19/03/2024          | -18/03/2025             |  |
| 0307534576 | Analytical Weighing Balance  | SL/AB-2/07     | ACS/456/CM106/230840  | -19/03/2024         | 18/03/2025              |  |
| 1022-040   | COD Digestion Apparatos      | SL/C00-1/10    | AC\$/456/CM106/230043 | -19/03/2028         | 18/03/2925              |  |
|            | BOD Incaliator               | 8£/80D/23      | ACS/456/CM106/230045  | 19/03/2024          | 10/03/2025              |  |
|            | Oven                         | SL/HAO-I/93    | ACS/456/CM106/230036  | 19/03/2024          | 10/03/2025              |  |
| 6/010      | Water Bath                   | SL/WE/OF       | AC\$/456/CM106/230841 | 19/03/2024          | 18/93/2025              |  |
| 10242      | Autoclave                    | \$L/AC-1/26    | ACS/456/CM106/230004  | 19/03/2014          | 18/03/2025              |  |
| NA         | UV Visible Spectrophotometer | -SC/UY/34      |                       | in bouse i          | Calibration             |  |

Verified by

Analyst

For Shreeji Aqua Treatment Pvt. Ltd.

SIM Managing Director

Authorized Signatory

-End of Test Report-

en Carva NF-CLVC

The results relate to sample tested.

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Page 2 of 2

Plane: Plot No. 5-24, H Block, Lal Topi Nagar, Morewadi, MIOC, Pintpri-Chinchwad, Maharashtra 411018. Lale: 164,Streegi Teistace Apt. Plot No. 53, Parna Nagar, Chikhail, Pane: 411019 Vadoulaea: Plot No.1, Shah Ind. Parls-1, Vadodara-Sirifi, Landapura. 391 775 Dint Vadodys Customer Care. No:: +919225247355 Email: Info@shreejiaqua.com Web: www.shreejiaqua.com Shreeji Ague Is ofways subject to Improvement for better customer satisfaction, we welcome your feedback on pune. Jabarthreefiaqua.com

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| -                     |                              | TEST REP   | URT   |          | 14                     | /10/2024   |  |
|-----------------------|------------------------------|--|---|----------|------------------------|--|--|
| Same                  | le / Report No.              | 51/24-25/  | 10/MWW/   | 42C      |                        | 1.   |  |
|                       | of Customer                  | and a second sec | M/s. VEDANTA LIMITED ( MET COKE DIVISION)   |          |                        |  |  |
| and the second second | ess of Castomer              | (WASTE I<br>SURVEY 7<br>42/1 & 7   | [WASTE HEAT RECOVERY POWER PLANT - I]<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, &<br>42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/S OF AMONA VILLAGE, BICHOLIM |          |                        |  |  |
| Order                 | r / Reference                | As per T   | RF Dated 0  | 8/10/20  | 24                     |  |  |
| Samp                  | le declaration as provided l |  |   |          |                        |  |  |
| Natur                 | e of Sample                  |  | River downstream sample (100 mtrs. downstream from<br>discharge point)  |          |                        |  |  |
| Batch                 | No.                          | NA   |   |          |                        |  |  |
| Samp                  | le Drawn by                  | SATPL T  | am on 08  | /10/2024 | Sample Received On     | 09/10/2024   |  |
| Start                 | of Analysis                  | 09/10/2  | 024   |          | End of Analysis        | 14/10/2024   |  |
| Samp                  | le Container                 | Plastic G  | 115   |          | Sample Quantity        | 02 lit.  |  |
| Samp                  | ding Procedure               | APHA 10  | 60 (Part B  | )        |                        |  |  |
| Limit                 | 8                            |  | ansent No<br>ass SW –   |          | PCB/1872509/R00013     | 3366   |  |
| Chem                  | ical Testing                 | 11.5.20  |   |          |                        |  |  |
| Sr.No                 | Parameters                   | Results  | Limits  | Unit     | Method                 |  |  |
| 1                     | pH                           | 7.22   | 6.5-8.5   |          | APHA, 24th Edition 202 |  |  |
| 2                     | Dissolved Oxygen             | 3.7  | <4.0  | mg/IR    | APHA, 24th Holtion 202 | and a second |  |
| 3                     | Turbidity                    | 7.8  | <30.0   | NTU      | APHA 24th edition: 2   | 130-B: 2023  |  |
|                       |                              |  |   |          |                        |  |  |

 
 Bio Chemical Oxygen Demand (BOD) @ 27%C for 3 Days
 1.6
 <3.0</th>
 mg/lit
 15 3025 (Part 44):2023

 5
 Temperature
 27.8
 --- %C
 15 3025(Part 9): 2023

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

Note: NA-Not Applicable.

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Verified By,

Sr.Analyst



For Shreeji Aqua Treatment Pvt.Ltdt

**Quality Manager** 

Authorized Signatury

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

Page 1 of 2.

 Prome:
 Plot No. B-D4. H Block, Cal Topi Nagar, Morewadi, MDC, Pargori Chinchwod, Maharashtra 411018.

 Labi
 184.5hrsej/Terrace Apr. Plot No. 53, Parna Nagar, Childrali, Pane: 411019

 Vadodana: Plot No.1, Shoh ind. Pask-1, Vadodara Savil, Camplepiana, 201 775 Dist. Vadodas

 Casterner Care Not: v019325347365

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|  |  | TEST REPO  | JRT   |  | 111 111 111 111 111 111   |  |  |  |
|--|--|--|---|--|---|--|--|--|
| Sámple / Re  | eport No.  | 51/24-25/10  | 0/MWW/42C   |  | 14/10/2024  |  |  |  |
| Name of Cu   | and a later in the second s  | The ball of the ba   | NTA LIMITED ( MET O   | THE REPORT   |   |  |  |  |
|  |  |  |   |  |   |  |  |  |
| Address of   | Castomer   | SURVEY NO<br>74,SURVEY   | (WASTE HEAT RECOVERY POWER PLANT - 1)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GO/ |  |   |  |  |  |
| Order / Ref  | erence   | As per TR  | F Dated 08/10/2024  |  |   |  |  |  |
| Sample dec   | laration as provided by c  | ustomer :  |   |  |   |  |  |  |
| Nature of S  | ample  | River dow<br>point)  | enstream sample (100  | mtra. downstream j   | from discharge  |  |  |  |
| Batch No.  |  | NA   |   |  |   |  |  |  |
| Sample Dra   | iwn by   | SATPL Tes  | im on 08/10/2024  | Sample Received 0  | a 09/10/202   |  |  |  |
| Start of Am  | alysis   | 09/10/202  | 24  | End of Analysis  | 14/10/202   |  |  |  |
| Sample Con   | tainer   | Sterile Plas   | tic Bottle  | Sample Quantity  | 100 ml  |  |  |  |
| Sampling P   | The line of a lost research to the second seco | 35 (1622):1  | 98182019  |  |   |  |  |  |
| Limits   |  | GSPCB Con  | GSPC8 Consent No.12/2023-PC8/1872509/R00013366<br>AS per Class SW II Waters   |  |   |  |  |  |
| Siological T   | esting   |  |   |  |   |  |  |  |
| Sr.No  | Parameters   | Results  | Limits Unit   | Meth   | bd  |  |  |  |
| 1 Fecal  | coliform   | 80.0   | <100.0 MPN/100 ml   | 15 (1622):19   | 061R2019  |  |  |  |
| Nsclaimer: *   | Information is supplied by   |  | nted in italic font'<br>LIBRATION DETAILS   |  |   |  |  |  |
| Sr. No.  | Equipment Name   | Equipment ID   | Certificate No.   | Califrontion Detail  | E.  |  |  |  |
|  |  |  | CONTRACTOR DO   | Calificated Data   |   |  |  |  |
|  |  |  |   | Carrocatico com  |   |  |  |  |
|  | plt Meter  | 191./p81-Mtr-1/01  | ACS/456/CH166/2300  | 34 19/03/2024  | Calibration Dur<br>Date<br>18/03/2025   |  |  |  |
| D307534576   | Analytical Weighing Statance   | SL/AB-2/07   | ACS/456/CM106/2300  | 34 19/03/2024<br>40 19/03/2024   | Calibration Dur<br>Date<br>18/93/2025<br>18/03/2025   |  |  |  |
| D307534576<br>1022-048                                     | Analytical Weighing Balance<br>COD Digestion Apparatas   | SL/AB-2/07<br>SL/COD-1/10  | AC5/456/CM106/2303<br>AC5/456/CM106/2303  | 34 19/03/2028<br>40 19/03/2024<br>43 19/03/2024  | Galification Dur<br>Durie<br>18/03/2025<br>10/03/2025<br>18/03/2025   |  |  |  |
|  | Analytical Weighing Balance<br>COD Digestion Apparatus<br>DOD Incubator  | SL/AB-2/07<br>SL/COD-1/10<br>SL/600/23   | ACS/456/CM106/2300<br>ACS/456/CM106/2300<br>ACS/456/CM106/2300  | 34 19/03/2024<br>40 19/03/2024<br>43 19/03/2024<br>45 19/03/2024   | Calibration Dur<br>Date<br>18/03/2025<br>10/03/2025<br>18/03/2025<br>18/03/2025   |  |  |  |
| 1022-048   | Analytical Weighting Balance<br>COD Digestion Apparatus<br>BOD Incubator<br>Dven   | SL/AB-2/07<br>SL/COD-1/10<br>SL/800/23<br>SL/800/23  | AC5/456/CM106/230<br>AC5/456/CM106/230<br>AC5/456/CM106/230<br>AC5/456/CM106/230  | 34 19/03/2024<br>40 30/02/2024<br>43 10/03/2024<br>45 19/03/2024<br>36 19/02/2024  | Calibration Dur<br>Dure<br>18/03/2025<br>10/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025   |  |  |  |
| 1022-048   | Analytical Weighting Balance<br>COD Digestion Apparatus<br>BOD Incubator<br>Dwen<br>Water Bath   | SL/AB-2/07<br>SL/COD-1/10<br>SL/B00/23<br>SL/B00/23<br>SL/B00/23<br>SL/WB/08   | AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300  | 34         19/113/2024           40         10/03/2024           43         10/03/2024           45         19/03/2024           36         29/03/2024           36         29/03/2024           41         10/03/2024 | Calibration Date<br>Date<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025  |  |  |  |
| 1022-048<br>66050<br>10242                                 | Analytical Weighting Balance<br>COD Digestion Apparatus<br>DOD Incubator<br>Oven<br>Water Bath<br>Autoclave  | SL/AB-2/07<br>SL/R00-1/10<br>SL/R00/23<br>SL/RAO-1/83<br>SL/WR/08<br>SL/WR/08<br>SL/WR/08  | AC5/456/CM106/230<br>AC5/456/CM106/230<br>AC5/456/CM106/230<br>AC5/456/CM106/230  | 34         19/03/2024           40         30/03/2024           43         10/03/2024           45         39/03/2024           36         29/03/2024           41         10/03/2024           04         19/03/2024  | Calibration Dur<br>Dure<br>18/03/2025<br>10/03/2025<br>18/03/2025<br>18/03/2025<br>10/03/2025<br>10/03/2025<br>18/03/2025   |  |  |  |
| 1022-048   | Analytical Weighting Balance<br>COD Digestion Apparatus<br>BOD Incubator<br>Dwen<br>Water Bath   | SL/AB-2/07<br>SL/COD-1/10<br>SL/B00/23<br>SL/B00/23<br>SL/B00/23<br>SL/WB/08   | AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300  | 34 19/03/2024<br>40 10/02/2024<br>43 10/03/2024<br>45 19/03/2024<br>36 19/03/2024<br>41 10/03/2024<br>10 19/03/2024<br>In Brook<br>For Shreeji Aqua  | Calibration Dur<br>Durie<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>Calibration<br>Treatment Pvt, Li<br>SJM<br>maging Director        |  |  |  |
| 1022-048   | Analytical Weighting Balance<br>COD Digestion Apparatus<br>DOD Incubator<br>Oven<br>Water Bath<br>Autoclave  | SL/AB-2/07<br>SL/AB-2/07<br>SL/000/23<br>SL/000/23<br>SL/000/23<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/83<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/001/20<br>SL/0   | AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300  | 34 19/03/2024<br>40 10/02/2024<br>43 10/03/2024<br>45 19/03/2024<br>36 19/03/2024<br>41 10/03/2024<br>10 19/03/2024<br>In Brook<br>For Shreeji Aqua  | Calibration Dur<br>Darie<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>Calibration<br>Treatment Pvt, Li<br>SJM<br>maging Director        |  |  |  |
| 1022-048<br>66050<br>10242<br>NA<br>Verified by<br>Analyst | Analytical Weighting Balance<br>COD Digestion Apparatus<br>DOD Incubator<br>Oven<br>Water Bath<br>Autoclave  | SL/AB-2/07<br>SL/000-1/10<br>SL/000/20<br>SL/000/20<br>SL/000/20<br>SL/000/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/00/20<br>SL/ | AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300<br>AC5/456/CM106/2300  | 34 19/03/2024<br>40 10/02/2024<br>43 10/03/2024<br>45 19/03/2024<br>36 19/03/2024<br>41 10/03/2024<br>10 19/03/2024<br>In Brook<br>For Shreeji Aqua  | Calibration Dur<br>Darie<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>Calibration<br>Treatment Pvt, Lt<br>SJM<br>maging Director<br>horized Signatory |  |  |  |

Page 2 of 2

Pune: Plot No. 8-34, Hilliock, Lai Topi Nagar, Morewall, MIDC, Pimpri-Chinchwad, Maharashtos 411018. Lab: 184, Shoregi Terrace Apt. Plot No. 53, Pama Nagar, Chikhak, Pune: 411019 Vadostara: Plot No. 1, Shoh Ind. Parki 1, Vadostara Savili, Lamdapana. 391 775 Dist. Vadostra Customer Care Mult +919225247365 Email: Infodostreejtiqua.com Web: www.shorejtaqua.com

Shreeji Aque is always subject to improvement for better customer satisfaction, we welcome your feedback on pune, laborhowejiaqua.com





ENVIRONMENT = FOOD + ANIMAL FOOD & FEED + MICROBIOLOGY.

Internetive Devicemental Solutions Device Coversed Accessive by NABL as per SO/001 17033-0017 Centrel by SD 9001-3935, ISO 14001-2015 & ISO 45001-3018

Recognitized by Ministry of Environment, Forest & Climate Change (ModPCC), Greek, of India, New Chille



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NASL Valid Up to 13/06/2020.

|                               | TEST REPORT  |                      | 29/10/2024          |  |  |
|-------------------------------|--|----------------------|---------------------|--|--|
| Promote / Descard We          | THE ALL DE CONCERNMENT OF DESIGN   |                      | 29/10/2024          |  |  |
| Sample / Report No.           | 5L/24-25/10/MFW/105W   |                      |                     |  |  |
| Name of Customer              | M/s. VEDANTA LIMITED ( MET COKE DIVISION)  |                      |                     |  |  |
| Address of Customer           | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA. |                      |                     |  |  |
| Order / Reference             | As per TRF Dated 24/10/2024  |                      |                     |  |  |
| Sample declaration as provide | ed by customer :   |                      |                     |  |  |
| Nature of Sample              | River upstream sample (10  | 0 mtrs. upstream fre | om discharge point) |  |  |
| Batch No.                     | NA   |                      |                     |  |  |
| Sample Drawn by               | SATPL Team on 24/10/2024   | Sample Received 0    | n 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            | APHA 1060 (Part B)   |                      | L                   |  |  |
| Limits                        | GSPCB Consent No.12/2023<br>AS per Class SW – II Waters  | PC8/1872509/R000     | 13366               |  |  |
| Chemical Testing              |  |                      |                     |  |  |
|                               |  | 2.2.4                |                     |  |  |

| Sr.No | Parameters   | Results | Limits  | Unit   | Method                            |
|-------|--|---------|---------|--------|-----------------------------------|
| 1     | pH   | 7.26    | 6.5-8.5 | 044400 | APHA, 24th Edition 2023/ 4500-H+B |
| 2     | Dissolved Oxygen                                     | 3.8     | <4.0    | mg/lit | APHA, 24* Edition 2023/ 4500-8&C  |
| 3     | Turbidity  | 6.5     | <30.0   | NTU:   | APHA 24th edition: 2130-B: 2023   |
| 4     | Bio Chemical Oxygen Demand<br>(BOD) @ 27℃ for 3 Days | 2.2     | <3.0    | mg/lit | 15 3825 (Part 44):2023            |
| 5     | Temperature  | 27.7    |         | °C     | 1S 3025[Part 9]: 2023             |

Note: NA-Not Applicable.

REMARK: Reference to above testing parameters, given filver upstream sample is within the prescribed limit. Disciolmer: 'Information is supplied by customers represented in Italic font'

Verified By,

Sr. Analyst

For Shreeji Aqua Treatment Pvt. Ltd.

Quality Manager

Quality Manager Authorized Signatory Page 1 of 2

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

 Pariet Pict No. B-34, H Block, Lal Tapi Nargat, Morrewold, MEDC, Pimpri Chinzilwad, Maharashny 411018.
 Lab: 164,Shrevji Tensor Apt. Piot No. 33, Poma Nargar, Ohiphal, Piase: 411019
 Vadodara: Piot No.1, Shah Intl. Park-1, Vadodata-Savil, Landapura. 391 775 Dist. Vadodis: Contonner Care No.: +919/25247393 Email: Infodistiven/Japua.com Webt www.shreetJacua.com

Shreejl Agun is always subject to improvement for better customer satisfaction, we welcome your feedback en pune Jalspuhreejlargus.com

#### || Shreeji ||



## SHREEJI AQUA TREATMENT PVT. LTD.

Accredited by MARL as per ISC/IEC 17025/2017

Certified by ISO 3001 2015, ISO 14001-2015 & ISO 45001-2018

Recognized by Ministry of Environment, Forest & Climate Change (MuEFCC), Cave, of India, New Daily)

ENVIRONMENT + FOOD + ANIMAL FOOD & FEED + MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Olmate Change, Govt. of India & NABL Valid Up to 13/05/2025.

|   |   | TEST RE   | PORT   | TEST REPORT   |  |  |  |  |  |
|---|---|---|--|---|--|--|--|--|--|
| and the second second   |   |   | 29/10/2024   |   |  |  |  |  |  |
| Sample / R  |   | \$1,/24-2   | SL/24-25/10/MFW/105W   |   |  |  |  |  |  |
| Name of Cu  | stomer  | M/s. VEI  | DANTA LU   | (TA LIMITED ( MET COKE DIVISION)  |  |  |  |  |  |
| Address of  | Customer  | SURVEY<br>74,SURV   | NO. 205,2<br>EY NO. 20   | 7 (PART) OF   | PART   | ANT - 1)<br>1 OF 177,44,43/1,-<br>LIM VILLAGE ANE<br>40NA VILLAGE, B   |  |  |  |
| Order / Ref   | ference   | As per T  | RF Dated   | 24/10/2024  |  |  |  |  |  |
| Sample dec  | laration as provided by cu  | ustomer :   |  |   |  |  |  |  |  |
| Nature of S   | ample   | River u   | pstream s  | ample (100 r  | ntrs. i  | upstream from di   | scharge point  |  |  |
| Batch No.   |   | NA  |  |   | _  |  |  |  |  |
| Sample Dra  | iwn by  | SATPL 7   | eam on 24  | /10/2024  | Sar  | uple Received Or   | 25/10/202  |  |  |
| Start of Ana  | alysis  | 25/10/2   | 024  |   | Ene  | d of Analysis  | 29/10/202/   |  |  |
| Sample Con  |   | Sterile Pl  | astic Botti  | e   | - decision in the                                      | uple Quantity  | 100 ml   |  |  |
| Sampling P  |   | and the second se | 1981820  |   | 1.000  | Charles Barrenter A  | ACCOUNTS-  |  |  |
| Limits  |   |   |  |   | n/ie   | 72509/80001336   | 6  |  |  |
|   |   |   | lass SW  |   | -91 10   | 12702/10001330   |  |  |  |
| Biological T  | esting  | ya per 6  | and day  | IL TRACTS   | -  |  |  |  |  |
|   |   | and the first second state of the   |  |   |  |  |  |  |  |
|   |   | Results   | Limits   | Unit  |  | Metho  | A  |  |  |
|   | Parameters<br>coliform  | Results<br>60.0   |  | Unit<br>MPN/100 m   | 1  | Metho<br>(\$(1622).19  |  |  |  |
| Note: NA-No   | coliform<br>It Applicable.  | 60.0  | <100.0   | MPN/100 m   |  | IS (1622) 19   | B1R2019  |  |  |
| 1 Fecal<br>Note: NA-No<br>REMARK: Rot<br>Disclaimer: 1  | coliform<br>it Applicable.<br>erence to above testing para<br>Information is supplied by c  | 60.0<br>meters, given Riv<br>sustamers repres<br>EQUIPMENT C  | <100.0<br>er upstream<br>sented in i<br>ALIBRATI   | MPN/100 m<br>n sample is w<br>talic font"<br>ON DETAILS   |  | IS (1622) 19   | B1R2019  |  |  |
| 1 Fecal<br>Note: NA-No<br>REMARK: Ref   | coliform<br>It Applicable.<br>Grence to above testing para  | 60.0<br>meters, given Riv<br>sustomers repres   | <100.0<br>er upstream<br>sented in i<br>ALIBRATI   | MPN/100 m<br>n sample is w<br>talle font  |  | IS (1622) 19<br>he prescribed limit<br>Calibration Detail  | B1R2019  |  |  |
| 1 Fecal<br>Note: NA-No<br>REMARK: Rot<br>Disclaimer: 1  | coliform<br>it Applicable.<br>orence to above testing para<br>Information is supplied by o<br>Equipment Name  | 60.0<br>meters, given Riv<br>sustamers repre<br>EQUIPMENT C<br>Equipment i  | <100.0<br>er upstream<br>sented in i<br>ALIBRATI<br>D Cert   | MPN/100 m<br>n sample is w<br>talic font'<br>ON DETAILS<br>ficate No.   | ithin t  | IS (1622) 19<br>he prescribed limit<br>Calibration Detail<br>Calibration Date  | Callbration Due  |  |  |
| 1 Fecal<br>Note: NA-No<br>REMARK: Rot<br>Disclaimer: 1  | coliform<br>it Applicable.<br>erence to above testing para<br>Information is supplied by c  | 60.0<br>meters, given Riv<br>sustamers repres<br>EQUIPMENT C  | <100.0<br>er upstream<br>sented in i<br>ALIBRATI<br>D Cert   | MPN/100 m<br>n sample is w<br>talic font"<br>ON DETAILS   | ithin t  | IS (1622) 19<br>he prescribed limit<br>Calibration Detail  | B1R2019<br>Calibration Due   |  |  |
| 1 Fecal<br>Note: NA-No<br>IEMARK: Rot<br>Disclaimer: 1  | coliform<br>it Applicable.<br>orence to above testing para<br>Information is supplied by o<br>Equipment Name<br>pill Meter  | 60.0<br>meters, given Riv<br>ustomers repre<br>EQUIPMENT C<br>Equipment I<br>SL/pH-Mtr-1/01   | <100.0<br>er upstream<br>sented in i<br>ALIBRATI<br>D Cert<br>ACS/   | MPN/100 m<br>m sample is w<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/20   | Rhin t<br>2014   | IS (1622) 19<br>he prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024   | Callbration Due<br>Date<br>10/03/2025  |  |  |
| 1 Fecal<br>Note: NA-No<br>IEMARK: Rot<br>Disclaimer: 1<br>Sr. No.   | colliform<br>it Applicable.<br>orence to above testing para<br>Information is supplied by o<br>Equipment Name<br>pill Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus   | 60.0<br>meters, given Riv<br>stomers repre<br>EQUIPMENT C<br>Equipment 8<br>SL/pH-Mtr-1/01<br>SL/A8-2/07<br>SL/C0D-3/10   | <100.0 er upstream sented in i ALIBRATI D Cert ACS/ ACS/ ACS/  | MPN/100 m<br>n sample is w<br>talic font'<br>ON DETAILS<br>ficate No.<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20                                 | ithin t<br>1034<br>1040                                | IS (1622): 19<br>he prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024<br>19/03/2024  | B1R2019<br>Calibration Due<br>Date<br>10/03/2025<br>18/03/2025<br>18/03/2025   |  |  |
| 1 Fecal<br>Note: NA-No<br>IEMARK: Rof<br>Disclaimer: 1<br>Sr. No.<br>D307534576<br>1022-048                                     | colliform<br>it Applicable.<br>orence to above testing para<br>Information is supplied by o<br>Equipment Name<br>pit Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus<br>BID Incubator                                   | 60.0<br>meters, given Riv<br>stomers repre-<br>EQUIPMENT C<br>Equipment I<br>SL/pH-Mtr-1/01<br>SL/AB-2/07<br>SL/COD-1/10<br>SL/R0D/23   | <100.0 er upstream<br>sented in i<br>ALIBRATION<br>Cert<br>ACS/<br>ACS/<br>ACS/<br>ACS/<br>ACS/  | MPN/100 m<br>m sample is w<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20                                 | ithin t<br>1034<br>1040<br>1045                        | US (1622): 19<br>he prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024  | B1R2019<br>Calibration Due<br>Date<br>10/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025   |  |  |
| 1 Fecal<br>Note: NA-No<br>IEMARK: Rof<br>Disclaimer: 1<br>Sr. No.<br>DS07534576<br>DS07534576<br>DS07534576                     | coliform<br>it Applicable.<br>erence to above testing para<br>Information is supplied by a<br>Equipment Name<br>pill Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus<br>BOD Incubator<br>Over                           | 60.0<br>meters, given Riv<br>stomers repre-<br>EQUIPMENT C<br>Equipment I<br>SL/pH-Mtr-1/01<br>SL/AS-2/07<br>SL/COD-1/10<br>SL/NOD-23<br>SL/NAO-1/03  | <100.0 er upstream<br>sented in i<br>ALIBRATION D Cart<br>ACS/<br>ACS/<br>ACS/<br>ACS/<br>ACS/<br>ACS/<br>ACS/   | MPN/100 m<br>m sample is w<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20 | 1014<br>1014<br>1040<br>1045<br>1016                   | IS [1622]: 19<br>he prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024  | B1R2019<br>Callbration Due<br>Date<br>10/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025   |  |  |
| I Fecal<br>Note: NA-No<br>IEMARK: Rof<br>Disclaimer: 5<br>Sr. No.<br>D307534576<br>1022-048                                     | colliform<br>it Applicable.<br>erence to above testing para<br>Information is supplied by a<br>Equipment Name<br>pit Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus<br>BOD Incubator<br>Oven<br>Water Bath             | 60.0<br>meters, given Riv<br>stomers repre-<br>EQUIPMENT C<br>Equipment I<br>SL/pH-Mtr-1/01<br>SL/pH-Mtr-1/01<br>SL/00-1/10<br>SL/00/23<br>SL/00/23<br>SL/00/23<br>SL/00/03<br>SL/WI/08   | <100.0       er upstream       sented in i       ALIBIRATI       D       Cert       ACS/       ACS/       ACS/       ACS/       ACS/       ACS/       ACS/ | MPN/100 m<br>m sample is w<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20 | 10140<br>10140<br>1040<br>1043<br>1045<br>1016<br>3041 | US (1622): 19<br>the prescribed limit<br>Califoration Detail<br>Califorated Date<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024   | B1R2019<br>Callbration Due<br>Date<br>10/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025   |  |  |
| 1 Fecal<br>Note: NA-No<br>IEMARK: Rof<br>Disclaimer: 5<br>Sr. No.<br>D307534576<br>1022-048<br>1022-048<br>1022-048<br>1022-048 | coliform<br>it Applicable.<br>erence to above testing para<br>Information is supplied by a<br>Equipment Name<br>pit Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus<br>BOD Incubator<br>Oven<br>Water Bath<br>Autoclave | 60.0<br>meters, given Riv<br>stomers repres<br>EQUIPMENT C<br>Equipment I<br>SL/pH-Mtr-1/01<br>SL/A8-2/07<br>SL/000-1/10<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23   | <100.0       er upstream       sented in i       ALIBIRATI       D       Cert       ACS/       ACS/       ACS/       ACS/       ACS/       ACS/       ACS/ | MPN/100 m<br>m sample is w<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20 | 10140<br>10140<br>1040<br>1043<br>1045<br>1016<br>3041 | US [1622]: 19<br>the prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024   | B1R2019<br>Callbration Due<br>Date<br>10/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025   |  |  |
| I Fecal<br>Note: NA-No<br>REMARK: Ref<br>Disclaimer: 5<br>Sr. No.<br>D307534576<br>1022-048<br>                                 | colliform<br>it Applicable.<br>erence to above testing para<br>Information is supplied by a<br>Equipment Name<br>pit Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus<br>BOD Incubator<br>Oven<br>Water Bath             | 60.0<br>meters, given Riv<br>stomers repre-<br>EQUIPMENT C<br>Equipment I<br>SL/pH-Mtr-1/01<br>SL/pH-Mtr-1/01<br>SL/00-1/10<br>SL/00/23<br>SL/00/23<br>SL/00/08<br>SL/00/08<br>SL/07/34   | <100.0 er upstream sented in i ALIBIRATI D Cert ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/  | MPN/100 m<br>m sample is w<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20 | 10140<br>10140<br>1040<br>1043<br>1045<br>1016<br>3041 | US [1622]: 19<br>the prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024   | B1R2019<br>Callbration Due<br>Date<br>10/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025   |  |  |
| Fecal Note: NA-No REMARK: Ref Disclaimer: 5 Sr. No.      D307534576 10223-048      G6050 10242                                  | coliform<br>it Applicable.<br>erence to above testing para<br>Information is supplied by a<br>Equipment Name<br>pit Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus<br>BOD Incubator<br>Oven<br>Water Bath<br>Autoclave | 60.0<br>meters, given Riv<br>stomers repres<br>EQUIPMENT C<br>Equipment I<br>SL/pH-Mtr-1/01<br>SL/A8-2/07<br>SL/000-1/10<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23<br>SL/R00/23   | <100.0 er upstream sented in i ALIBRATH D Cert ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/   | MPN/100 m<br>m sample is w<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20 | 10140<br>10140<br>1040<br>1043<br>1045<br>1016<br>3041 | US [1622]: 19<br>the prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024   | B1R2019<br>Calibration Due<br>Date<br>10/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025 |  |  |
| I Fecal<br>Note: NA-No<br>REMARK: Ref<br>Disclaimer: 5<br>Sr. No.<br>D307534576<br>10232-048<br>                                | coliform<br>it Applicable.<br>erence to above testing para<br>Information is supplied by a<br>Equipment Name<br>pit Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus<br>BOD Incubator<br>Oven<br>Water Bath<br>Autoclave | 60.0<br>meters, given Riv<br>stomers repre-<br>EQUIPMENT C<br>Equipment 8<br>SL/pH-Mtr-1/01<br>SL/A8-2/07<br>SL/00-1/10<br>SL/N00/21<br>SL/N00/21<br>SL/N00/21<br>SL/N00/21<br>SL/N00/21<br>SL/N00/21<br>SL/N00/21<br>SL/N00/21<br>SL/N00/21  | <100.0 er upstream sented in i ALIBRATH D Cert ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/   | MPN/100 m<br>m sample is w<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20<br>456/CM106/20 | 10140<br>10140<br>1040<br>1043<br>1045<br>1016<br>3041 | IS (1622) 19<br>he prestribed limit<br>Calibration Detail<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>19/03/2024<br>In house | B1R2019<br>Callbration Due<br>Date<br>10/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025                             |  |  |

The results relate to sample tested.

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

Page 2 of 2

Pater Piot No. 3-34, H Black, Lal Topi Nagar, Monwedi, MDC, Pimpri-Chinchwed, Maharadhta 41.1018. Labi 164.Sheneji Terrace Apt. Piot No. 53, Pama Negar, Chikhail, Pane 41.1019 Vadodare: Piot No.1, Shah Ind. Park-1, Vadodare-Sovil, Landapura. 391.775 Dist, Vadodna Gesterner Care Nez: +01023347365 Erealt: Info@hrmjlequa.com Web: www.shreejiaqua.com Shreeji Ague In elways subject to Improvement for bother castomer settisfaction, we welcome your feedback on pune. Jab@shreejiaqua.com



Accredited by NAIL as per ISCREC FND5.06/17 Certified by 500 9001:2013, ISO 14001 2013 & ISO 45001-2018

Recognized by Ministry of Environment, Forest & Climate Change (MuEFCC), Gost. of India, New Dalhi

|| Shreeji ||

ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2028. ULR No.: TC138772400010603F

|                              | TEST REPORT  | -   | 1/10/2024  |
|------------------------------|--|---|------------|
| Sample / Report No.          | SL/24-25/10/MFW/105V   | 63  | 1/10/2024  |
|                              | M/s. VEDANTA LIMITED ( M   | PT CONTINUESONS                               |            |
| Name of Customer             |  |   |            |
| Address of Customer          | (WASTE HEAT RECOVERY PO<br>SURVEY NO. 205,206,207, 31,<br>42/1 & 74,SURVEY NO. 207 (F<br>SURVEY NO. 43/1, 44/4 & 44,<br>GOA. | (1, PART OF 177,44,43<br>PART) OF NAVELIM VII | LAGE AND   |
| Order / Reference            | As per TRF Dated 24/10/202   | 24  |            |
| Sample declaration as provid | ed by customer :   |   |            |
| Nature of Sample             | River downstream sample (<br>discharge point)  | 100 mtrs. downstreau                          | n from     |
| Batch No.                    | NA   |   |            |
| Sample Drawn by              | SATPL Team 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           | APHA 1060 (Part B)   |   |            |
| Limits                       | GSPCB Consent No.12/2023<br>AS per Class SW – II Waters  | PCB/1872509/R0001                             | 3366       |
| Chemical Testing             | AS per Class SW – II Waters  |   |            |

| Parameters   | Results  | Limits  | Unit  | Method   |
|--|--|---|---|--|
| pH   | 7.36   | 6.5-8.5   | 10  | APHA, 24th Edition 2023/ 4500-H+B                                |
| Dissolved Oxygen                                     | 3.9  | <4.0  | mg/lit  | APHA, 24* Edition 2023/ 4500-B&C                                 |
| Turbidity  | 6.8  | <30.0   | NTU   | APHA 24th edition: 2130-II: 2023                                 |
| Bio Chemical Oxygen Demand<br>(BOD) @ 27% for 3 Days | 2.3  | <3.0  | mg/lit  | 15 3025 (Part 44):2023   |
| Temperature  | 27.7   |   | *C  | IS 3025(Part 9): 2023  |
|  | pH<br>Dissolved Oxygen<br>Turbidity<br>Bio Chemical Oxygen Demand<br>(BOD) @ 27ºC for 3 Days | pH 7.36<br>Dissolved Oxygen 3.9<br>Turbidity 6.8<br>Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days 2.3 | pH     7.36     6.5-8.5       Dissolved Oxygen     3.9     <4.0 | pH     7.36     6.5-8.5        Dissolved Oxygen     3.9     <4.0 |

Note: NA-Not Applicable.

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

Verified By.

Sr. Analyst



For Shreeji Agus 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

Pane: Plot Ro. II-34, H Bloch, Lal Topi Nagar, Morewald, MIDC, Pimpri-Oxinchwall, Maharashtra 431018. Lahe 164.Shvereji Terrace Apt. Plot No: 53, Psima Nagae, Chikhail, Purse 415019 Vadodarar Plot No.1, Shah Ind. Park 1, Vadodara-Sevil, Lanvdapara, 391.775 Dist. Vadodna Castomer Care Nac +919225247365 Email: Info@shtreliagua.com Web: www.shtreliagua.com

Shreeji Aqua is always subject to improvement for better customer satisfaction, we welcome your feedback on pume Jabai shreejiaqua, com

|| Shreeji ||



## SHREEJI AQUA TREATMENT PVT. LTD.

Accordinal by NASL as per 50/8C 170252017 Cented by 50 90012015 ISO 140012015 & ISO 450012018 Recognized by Ministry of Environment, Ferent & Climate Change (MuEFCC), Gevt. of India, New Onlive • 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 REP  | PORT        |                 |   | 29/10/202       |  |
|---|---|-------------|-----------------|---|-----------------|--|
| Sample / Report No.                     | SL/24-25/10/MFW/105V  |             |                 |   |                 |  |
| Name of Customer                        | M/s. VEDANTA LIMITED ( MET COKE DIVISION)   |             |                 |   |                 |  |
| Address of Customer                     | [WASTE HEAT RECOVERY POWER PLANT - 1]<br>SURVEY NO. 205.206,207, 33/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 [PART] OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA |             |                 |   |                 |  |
| Order / Reference                       |   |             | 24/10/2024      |   |                 |  |
| Sample declaration as provided by custo | meri  |             |                 | - Incompany and the second states       |                 |  |
| Nature of Sample .                      | River do<br>point)  | wnstrea     | n sample (106   | ) mirs. downstream fro                  | im discharge    |  |
| Batch No.                               | NA  |             | Selection and a |   | 110.000 - 5.000 |  |
| Sample Drawn by                         | SATPL TO  | am on 24    | /10/2024        | Sample Received On                      | 25/10/2024      |  |
| Start of Analysis                       | 25/10/20  | )24         | ,               | End of Analysis                         | 29/10/2024      |  |
| Sample Container                        | Sterile Pla   | istic Bottl | e               | Sample Quantity                         | 100 ml          |  |
| Sampling Procedure                      | 15 (1622)   | 1981R2      | 019             | 122200000000000000000000000000000000000 |                 |  |
| Limits                                  | GSPCB Co<br>AS per Cla  |             |                 | 1/1872509/R00013366                     |                 |  |
| Biological Testing                      | - nestess-co  |             |                 |   |                 |  |
| Sr.No Parameters                        | Results   | Limits      | Unit            | Method                                  | I               |  |
| 1 Fecal coliform                        | 60.0 <100.0 MPN/100 ml 15(1622):198182019   |             |                 |   |                 |  |

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

#### EQUIPMENT CALIBRATION DETAILS

| Sr. No.    | Equipment Name               | Equipment ID   | Certificate No.       | Calibration Detail |                         |  |
|------------|------------------------------|----------------|-----------------------|--------------------|-------------------------|--|
|            |                              |                |                       | Cadibrated Date    | Calibration Due<br>Date |  |
|            | pill Meter                   | SL/pB-Mtr-1/01 | AC5/456/CM186/230034  | 19/03/2024         | 18/03/2025              |  |
| 0307534576 | Analytical Weighing Salance  | SL/AB-2/07     | AC\$/456/CM106/230040 | 19/03/2024         | 18/83/2025              |  |
| 1022-048   | COD Depretion Apparatus      | SL/COD-1/10    | AC5/456/CM106/230043  | 19/03/2024         | 10/03/2025              |  |
|            | BOD Incubator                | SL/80D/21      | AC5/456/CM106/200048  | 19/03/2024         | 10/03/2025              |  |
|            | Over:                        | SL/HAO-1/03    | AC5/455/CM106/230036  | 19/03/2024         | 18/03/2025              |  |
| 66000      | Water Bath                   | SL/W8/08       | AC5/456/CM106/230041  | 19/03/2024         | 20/03/2025              |  |
| 18242      | Autochier                    | SL/AC-1/26     | ACS/456/CM306/230004  | 19/03/2024         | 10/03/2025              |  |
| NA         | UV Visible Spectrophotometer | SL/07/34       |                       | Inhouse            | Calibration             |  |

Checked By,

Analyst



End of Test Report-

Verified By,

Technical Manager

The results relate to sample tested.

Page 2 of 2

umbha 1

 Pane: Flot No. 8-24, H Block, Lai Tupi Nagat, Morewadi, MDC, Pimpri-Chinchwad, Maharashtra 411018, Lab: 184,Shreeji Terrace Apr. Plot No. 53, Puma Nagar, Chilhali, Pune: 411019 Vadadara: Plot No. 1, Shah Ind, Park-1, Vadadara-Savil, Landapun, 391 775 Dist, Vadadaa Castamer Care No.: + 419223247305 Email: orfodoteedjapua.com Web www.shreejaqua.com Shreeji Apos is always subject to improvement for better castamer satisfaction, we webcame your feedback on pune, Jabitshreejiaqua.com



Menodified Devicements Schulers, Under Devil According by WAR, as pre-SCANE, 1993, 2017

Certified by \$0.900 (2013) 150 (400) 2015 & (50 (600) 2018

Recognized by Ministry of Environment, Forest & Charatte Change (MuEFCE), Greet, of India, Man Delhi

[[Shree]i []

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.

|   |  |  |  |   |  |  | 12/11/202  |  |
|---|--|--|--|---|--|--|--|--|
| Sample / Re   | port No.   | \$1/24-25/1  | 1/MWW  | /60z  | a ann an a   |  |  |  |
| Name of Cu  | tomer  | M/s. VEDA  | M/s. VEDANTA LIMITED ( MET COKE DIVISION)  |   |  |  |  |  |
| Address of Customer   |  | SURVEY NO<br>74,SURVEY   | 0. 205,20<br>NO. 207   | VERY POWER #<br>6,207, 31/1, P#<br>(PART) OF NAV  | RT OF 177.<br>(EUM VILL)   | VGE AND  | 1999) - 1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997<br>1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1<br>1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - |  |
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| Order / Refe  |  |  | P Dated O  | 7/11/2024   |  | _  |  |  |
| and the second | aration as provided by custo   |  |  |   |  |  |  |  |
| Nature of Sa  | mple   | River upsi   | tream sau  | nple (100 mtrs  | , upstream   | from discha  | rge point)   |  |
| Batch No.   |  | NA   |  |   |  |  | TW-SACONST!  |  |
| Sample Drav   | vn by  | SATPL Tea  | m.on 07/   | 11/2024   | Sample R   | aceived On   | 08/11/2024   |  |
| Start of Ana  | lysia  | 08/11/202  | 4  |   | End of An  | alysis   | 12/11/2024   |  |
| Sample Cont   | tainer   | Sterile Plan   | tic Bottle   |   | Sample O   | santity.   | 1.00 mil   |  |
| Sampling Pr   | the second s   | APHA 106   | 0 (Part B)   |   |  |  | and set of the   |  |
| Limits  |  | GSPCB Co<br>AS per Cla   |  | .12/2023-PCI<br>II Waters   | 3/187250   | 9/R0001336   | 56   |  |
| distant and some first the  | all a second sec |  |  | 11772-5115-5  |  |  |  |  |
| ilological Te   |  |  |  |   |  |  |  |  |
| r.No  | Parameters   | Results  | Umits  | Unit  |  | Methe  | od   |  |
| r.No<br>1 Fecal c<br>lote: NA-No<br>EMARK: Rel  |  | 90.0<br>Imeters, given Rive<br>customers represe   | <100.0<br>r upstrea<br>ented in i  | MPN/100 ml<br>m sample is wi<br>tofic font'   | thin the pri   | 15 (3622) 19   | 81R2019  |  |
| r.No<br>1 Fecal c<br>lote: NA-Nc<br>EMARK: Rel<br>lisclaimer: <sup>1</sup>  | Parameters<br>oliform<br>It Applicable.<br>erence to above testing para<br>Information is supplied by  | 90.0<br>ameters, given Rive<br>customers represe<br>EQUIPMENT (  | <100.0<br>r upstrea<br>ented in i<br>caubitatio  | MPN/100 ml<br>m sample is wi<br>tolic font'<br><u>2N DETAILS</u>  |  | IS (3622):19   | 81R2019  |  |
| r.No<br>1 Fecal c<br>lote: NA-Nc<br>EMARK: Rel  | Parameters<br>oliform<br>t Applicable.<br>erence to above testing para   | 90.0<br>Imeters, given Rive<br>customers represe   | <100.0<br>r upstrea<br>ented in i<br>caubitatio  | MPN/100 ml<br>m sample is wi<br>tofic font'   | Cast.  | IS (3622):19<br>escribed limit   | 81R2019  |  |
| r.No<br>1 Fecal c<br>lote: NA-Nc<br>EMARK: Rel<br>lisclaimer: <sup>1</sup>  | Parameters<br>oliform<br>It Applicable.<br>erence to above testing para<br>Information is supplied by  | 90.0<br>ameters, given Rive<br>customers represe<br>EQUIPMENT (  | <100.0<br>r upstrea<br>ented in i<br>caubitatio  | MPN/100 ml<br>m sample is wi<br>tolic font'<br><u>2N DETAILS</u>  | Cast.  | IS (3622):19   | Calibration Dus  |  |
| r.No<br>1 Fecal c<br>lote: NA-No<br>EMARK: Rel<br>isclaimer: '  | Parameters<br>oliform<br>It Applicable.<br>erence to above testing para<br>Information is supplied by  | 90.0<br>ameters, given Rive<br>customers represe<br>EQUIPMENT (  | <100.0<br>r upstrea<br>ented in i<br>CALIBRATIO  | MPN/100 ml<br>m sample is wi<br>tolic font'<br><u>2N DETAILS</u>  | Cuil<br>Cuil   | IS (3622):19<br>escribed limit   | M81R2019   |  |
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| r.No<br>1 Fecal o<br>lote: NA-No<br>EMARK: Rel<br>lisclaimer: 1<br>3r. No.<br>0307534576  | Parameters oliform t Applicable. erence to above testing para Information is supplied by Equipment Name pri Meter Analytical Weighing Balance COD Digestion Apparatus BOD Incubator  | 50.0<br>Imeters, given Rive<br><u>EQUIPMENT (</u><br>Equipment ID<br>SL/9H-Mh-1/01<br>SL/8-2/07<br>SL/00-1/10<br>SL/800/23   | <100.0<br>r upstrea<br>ented in i<br>Certi<br>ACS<br>ACS<br>ACS<br>ACS   | MPN/100 ml<br>m sample is wi<br>tolic font'<br>2N DETAILS<br>mate No.<br>456/CM106/2300<br>456/CM106/2300<br>456/CM106/2300                                     | Call<br>Call<br>40 1.9/<br>43 1.9/<br>45 1.9/  | 15 (3622):19<br>escribed limit<br>bratter Detail<br>brated Gate<br>19/03/2024<br>03/2024<br>03/2024  | Calibration Dus<br>Date<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025  |  |
| r.No<br>1 Fecal c<br>lote: NA-Nc<br>EMARK: Rel<br>lisclaimer: <sup>1</sup><br>Sr. No.<br>0307534576<br>1021-048   | Parameters oliform t Applicable. erence to above testing para Information is supplied by Equipment Name pri Meter Analytical Weighing Balance COD Digestion Apparatus BOD Incudiator Oven  | 90.0<br>Imeters, given Rive<br>customers represe<br>EQUIPMENT (<br>Equipment ID<br>SU/9H-MH-1/01<br>SU/88-2/07<br>SU/CDD-1/10<br>SU/DD0/23<br>SU/B00/23<br>SU/HAO-1/03   | <100.0 r upstrea ented in i caumante ACS ACS ACS ACS ACS ACS   | MPN/100 ml<br>m sample is wi<br>tolic font'<br>2N DETAILS<br>note No.<br>456/CM106/2300<br>456/CM106/2300<br>456/CM106/2300<br>456/CM106/2300                   | Call<br>Call<br>40 19/<br>43 19/<br>45 19/<br>36 19/   | 15 (3622):19<br>escribed limit<br>bratted Oute<br>19/03/2024<br>03/2024<br>03/2024<br>03/2024<br>03/2024   | Calibration Due<br>Date<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025  |  |
| r.No<br>1 Fecal c<br>lote: NA-Nc<br>EMARK: Rel<br>lisclaimer: 1<br>3r. No.<br>0307534526<br>1021-048<br><br>56050   | Parameters oliform t Applicable. erence to above testing para Information is supplied by tquepment Name set Meter Analytical Weighing Balance COD Digestion Apparatus BOD Incudetor Oven Water Bath  | 90.0<br>Imeters, given Rive<br>customers represe<br>EQUIPMENT (<br>Equipment ID<br>SL/9H-MH-1/01<br>SL/0H-MH-1/01<br>SL/0D-1/10<br>SL/0D-1/10<br>SL/0D-1/10<br>SL/0D-1/10<br>SL/0D-1/10<br>SL/0D-1/10  | <100.0 r upstrea ented in i caubaAnd Acs Acs Acs Acs Acs Acs Acs   | MPN/100 ml<br>m sample is wi<br>tolic font'<br>2N DETAILS<br>nore No.<br>456/CM106/2100<br>456/CM106/2100<br>456/CM106/2100<br>456/CM106/2100<br>456/CM106/2100 | Call<br>Call<br>Call<br>Call<br>Call<br>Call<br>Call<br>Call   | 15 (3622):19<br>escribed limit<br>brated Oute<br>19/03/2024<br>03/2024<br>03/2024<br>03/2024<br>03/2024<br>03/2024<br>03/2024  | Calibration Dust<br>Date<br>18/03/2025<br>18/03/2025<br>18/05/2025<br>18/05/2025<br>18/05/2025<br>18/05/2025<br>18/05/2025   |  |
| r.No<br>1 Fecal c<br>lote: NA-No<br>EMARK: Rel<br>Nsclaimer: <sup>1</sup><br>Sr. No.<br>0307534576<br>1022-048  | Parameters oliform t Applicable. erence to above testing para Information is supplied by Equipment Name pri Meter Analytical Weighing Balance COD Digestion Apparatus BOD Incudiator Oven  | 90.0<br>Imeters, given Rive<br>EQUIPMENT (<br>EQUIPMENT (<br>EQUIP   | <100.0 r upstrea ented in i caubaAnd Acs Acs Acs Acs Acs Acs Acs   | MPN/100 ml<br>m sample is wi<br>tolic font'<br>2N DETAILS<br>note No.<br>456/CM106/2300<br>456/CM106/2300<br>456/CM106/2300<br>456/CM106/2300                   | Call<br>Call<br>Call<br>Call<br>Call<br>Call<br>Call<br>Call   | 15 (3622):19<br>escribed limit<br>bratted Oute<br>19/03/2024<br>03/2024<br>03/2024<br>03/2024<br>03/2024   | Calibration Due<br>Date<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025  |  |
| r.No<br>1 Fecal c<br>lote: NA-No<br>EMARK: Rel<br>Nsclaimer: <sup>1</sup><br>Sr.No.<br>0307534576<br>1021-048<br><br>58050  | Parameters oliform t Applicable. erence to above testing para Information is supplied by Equipment Name pH Meter Analytical Weighing Belance COD Direction Apparatus BOD Incubietor Oven Water Bath Autoclave d by   | 90.0<br>Imeters, given Rive<br>customers represe<br>EQUIPMENT (<br>Equipment ID<br>SL/9H-MH-1/01<br>SL/0H-MH-1/01<br>SL/0D-1/10<br>SL/0D-1/10<br>SL/0D-1/10<br>SL/0D-1/10<br>SL/0D-1/10<br>SL/0D-1/10  | <100.0 r upstreatented in i cacionario accionario accio | MPN/100 ml<br>m sample is wi<br>talic font'<br>2N DETAILS<br>nore No.<br>456/CM106/2300<br>456/CM106/2300<br>456/CM106/2300<br>456/CM106/2300<br>456/CM106/2300 | Call<br>Call<br>40 10/<br>43 10/<br>43 10/<br>43 10/<br>43 10/<br>41 10/<br>54 10/<br>54 10/<br>54 10/<br>54 10/<br>54 10/ | 15 (3622):19<br>escribed limit<br>brated Oute<br>19/03/2024<br>03/2024<br>03/2024<br>03/2024<br>03/2024<br>03/2024<br>03/2024  | Calibration Dust<br>Date<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025<br>18/03/2025   |  |
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Pierrer – Pier Nez, B. 24, H. Beck, Lai Topp Angae, Morewards, MDCC, Pierpel-Crimchwood, Mathamachters 411018. Lailer 1. 154, Shrivey: Tattacer Apt, Pierr No. 53, Pierra Nagae, Chikhaik, Pierre 411010. Vadordienic Pier No. 1. Studi Ind. Parlo I, Goldodaria Gaoli, Larretapiera. 391 775 Diet, Vadiedea Contininae Care Nez, - H192253347365. Basalli Infogridveregilipaazoom. Webs www.shreefilepaa.com

Should Aqua is always subject to improvement for better customer suffalaction, we welcome your feedback on pure, Jaharshowejjagua.com



ENVIRONMENT = FOOD = ANIMAL FOOD & FEED = MICROBIOLOGY

Accredited by NABL as per fiGABC 170252817 Certified by ISO 9951 2015, ISO 14001 2015 & ISO 45001 2018 Recognized by Ministry of Environment, Forest & Climate Change (MnEFCC), Govt. of India, New Cells



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & HABL Value Up to 13/06/2025. ULR No.: TC138772400011112F

|| Shreeji ||

|        |   | TEST REP                                  | DRT       |                       |  |                |  |
|--------|---|---|-----------|-----------------------|--|----------------|--|
| 1.4    |   |   |           |                       |  | 12/11/2024     |  |
|        | ile / Report No.                                      | 51/24-25/1                                |           | States and States     | www.www.com  |                |  |
| Name   | e of Customer   | M/s. VEDANTA LIMITED ( MET COKE DIVISION) |           |                       |  |                |  |
| Addr   | ess of Customer                                       | (WASTE HEAT RECOVERY POWER PLANT          |           |                       |  |                |  |
| Orde   | r / Reference   | As per TRF                                | Dated 07/ | 11/2024               |  |                |  |
| Samp   | le declaration as provided by cus                     | tomer :                                   |           |                       |  |                |  |
| Natu   | re of Sample  | River upst                                | ream sámy | ole (100 i            | ntrs. upstream from dü   | ichorge point) |  |
| Batch  | No.   | NA  |           |                       |  |                |  |
| Samp   | le Drawn by   | SATPL Team on 07/11/2024                  |           | Sample Received On    | 08/11/2024   |                |  |
| Start  | of Analysis   | 08/11/202                                 | 4         |                       | End of Analysis  | 17/11/2024     |  |
| Samp   | le Container  | Plastic Can                               |           |                       | Sample Quantity  | 02 IIL         |  |
| Samp   | ling Procedure  | APHA 1060                                 | {Part B}  |                       | terror and the second |                |  |
| Limits | L :   | GSPCB Cor<br>AS per Cla                   |           | and the second second | PCB/1872509/R0001  | 3366           |  |
| Chemi  | cal Testing   |   |           |                       |  |                |  |
| Sr.No  | Parameters  | Results                                   | Umits     | Unit                  | Method   |                |  |
| 1      | pH  | 7.36                                      | 6.5-8.5   |                       | APHA, 24 <sup>th</sup> Edition 2023/ 4500-H  |                |  |
| 2      | Dissolved Oxygen                                      | 3.8                                       | <4.0      | mg/lit                | APHA, 24 <sup>th</sup> Edition 20.   | 29/4500-8820   |  |
| 3      | Turbidity   | 7.8                                       | <30.0     | NTU                   | APHA 34th edition: 3   | 130-0:2023     |  |
| 4      | Blo Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2.2                                       | <3.0      | mg/lit                | - IS 3025 (Part 44   | 1):2023        |  |

Temperature Note: NA-Not Applicable.

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

27.9

Review By,

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Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

**Outlity Manager** 

15 3025(Part 9): 2023

Authorized Signatory

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

Page 1 of 2

Plot No. B-34, H Block, Lal Topi Nagar, Moreward, MDC, Perspir Chindhwad, Maharashtra 411018. Paper Lake 184, Shreeji Terrariz Apt. Plot No. 53, Pursa Nagar, Chikhak, Pune: 411019 Vadiodame Plot No.1, Shah Ind. Park-1, (Adodara-Savii, Lamdepura, 391 775 Dist. Vadodra Customer Care No.: +919225247365 Email: info@streejlagua.com Webrwww.streejlagua.com Shreeji Agua is always subject to improvement for better customer satisfaction, we welcome your feedback on pune Jab pshreejiagua.com



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|| Shreeji ||

Laboratory Recognized by Ministry of Environment, Forest & Climate Diange, Govt. of India & NABL Valid Up to 13/06/2026. ULR No.: TC138772400011113F

|                            |                                 | TEST RE   | PORT                                     |               |                                  | 12/11/2024   |  |  |  |
|----------------------------|---------------------------------|---|--|---------------|----------------------------------|--------------|--|--|--|
|                            | the President and the second    | and the second  |  | Department of |                                  | 14/11/2004   |  |  |  |
|                            | le / Report No.                 | SL/24-25/11/MWW/60aa  |  |               |                                  |              |  |  |  |
| Name                       | of Customer                     |   | M/s. VEDANTA LIMITED (MET COKE DIVISION) |               |                                  |              |  |  |  |
|                            | iss of Customer                 | SURVEY N<br>74,SURVE<br>SURVEY N  | (WASTE HEAT RECOVERY POWER PLANT         |               |                                  |              |  |  |  |
| and inclusion of the local | / Reference                     | the second se | IF Dated 07                              | //11/2024     |                                  |              |  |  |  |
| Sampl                      | le declaration as provided by c | ustomer :   |  |               |                                  |              |  |  |  |
| Natur                      | e of Sample                     | <ul> <li>River do<br/>point)</li> </ul>   | wastream                                 | somple (I     | 00 mtrs. downstream fr           | om discharge |  |  |  |
| Batch                      | No.                             | NA  |  |               |                                  |              |  |  |  |
| Sampl                      | le Drawn by                     | SATPL Te  | um on 07/3                               | 1/2024        | Sample Received On               | 08/11/2024   |  |  |  |
| Start (                    | of Analysis                     | 08/11/20  | 24                                       |               | End of Analysis                  | 12/11/2024   |  |  |  |
| Sampl                      | le Container                    | Plastic Ca  | in                                       |               | Sample Quantity                  | 02.08.       |  |  |  |
| Samp!                      | ling Procedure                  | APHA 10   | SO (Part B)                              |               | The second second second         |              |  |  |  |
| Limits                     |                                 | the second second second second   | onsent No<br>ass SW – I                  |               | -PC8/1872509/R0003               | 3366         |  |  |  |
| them)                      | cal Testing                     |   |  |               |                                  |              |  |  |  |
| e.No                       | Parameters                      | Results   | Limits                                   | Unit          | Method                           |              |  |  |  |
| 1                          | pH                              | 7.29  | 6.5-8.5                                  |               | APHA, 24 <sup>th</sup> Edition 2 | 023/4500-H+8 |  |  |  |
| 2                          | Dissolved Oxygen                | 3.9   | <4.0                                     | mg/lit        | APHA, 24 <sup>th</sup> Edition 2 | 237/4500-B&C |  |  |  |

| 2  | Dissolved Oxygen                                      | 3.9  | <4.0  | mg/lit | APHA, 24" Edition 2023/ 4500-8&C |
|----|---|------|-------|--------|----------------------------------|
| 3  | Turbidity   | 7.4  | <30.0 | NTU    | APHA 24th edition: 2130-8: 2023  |
| 43 | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2.5  | <3.0  | mg/fit | 15 3025 (Part 44):2023           |
| 5  | Temperature   | 27.9 |       | 10     | IS 3025(Part 9): 2023            |

Note: NA-Not Applicable.

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

Review By,

Se.Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

ity 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:

Paner – Phot No. II-34, H Bluch, Lal Topi Nagar, Moresead, MIDC, Pinger-Chinchwait, Maharashma 411018. Labi – I&4.Shneej Temace Apt. Pint No. 53, Purna Nagar, Chikhali, Pune 411019 Vadodane: Piot No.1, Shah Ind. Park-T, Vidodane Savil, Landepuna. 391 775 Dist, Vadodra Cantomer Care Naci -911025347365 – Benalt: infodisheejjaqua.com – Web: www.shneejjaqua.com

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According by NASC to per ISO/EC 17925.0017

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|                    |                       | TEST RE   | PORT       |  |                        | 12/11/202        |  |
|--------------------|-----------------------|---|------------|--|------------------------|------------------|--|
| Sample / Report N  | a.                    | 51/24-25/   | 1/MWW      | /60aa  |                        | 143 447 444      |  |
| Name of Customer   |                       | M/s. VEDANTA LIMITED ( MET COKE DIVISION)   |            |  |                        |                  |  |
| Address of Custom  | er                    | (WASTE HEAT RECOVERY POWER PLANT – I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA |            |  |                        |                  |  |
| Order / Reference  |                       | As per TR   | F Dated 0  | 7/11/2024  |                        |                  |  |
| Sample declaration | as provided by custon | ver :   |            |  |                        | - 11 P           |  |
| Nature of Sample   |                       | River dov   | wistream   | sample (100 m  | tra. downstream from c | fischarge point, |  |
| Batch No.          |                       | NA.   |            |  |                        |                  |  |
| Sample Drawn by    |                       | SATPL Tea   | m on 07/   | 11/2024  | Sample Received On     | 08/11/2024       |  |
| Start of Analysis  |                       | 08/11/202   | 24         |  | End of Analysis        | 12/11/2024       |  |
| Sample Container   |                       | Sterile Pla:  | tic Bottle |  | Sample Quantity        | 100 ml           |  |
| Sampling Procedur  | e                     | APHA 106  | 0 (Part B) |  |                        |                  |  |
| Umits              |                       | GSPCB Co<br>AS per Clu  |            | services of the state of the service | 3/1872509/R0001336     | 6                |  |
| Biological Testing |                       |   |            |  |                        |                  |  |
| ir.No              | Parameters            | Results   | Limits     | Unit   | Metho                  | d                |  |
| 1 Fecal coliforn   | 1                     | 90.0  | <100.0     | MPN/100 ml   | is (1622):199          | 81R2019          |  |

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EQUIPMENT CALIBRATION DETAILS

| Sr. No.    | Etpilpment Name             | Equipment ID   | Certificate No        | Calibration Detail |                         |  |
|------------|-----------------------------|----------------|-----------------------|--------------------|-------------------------|--|
|            |                             |                | Scentra and State     | Californited Date  | Calibration Due<br>Date |  |
|            | pH Metor                    | SL/pH-Mtt=1/01 | AC\$/456/CM306/230034 | 1/9/03/2024        | 18/05/2025              |  |
| 0307534576 | Analytical Weighing Balance | SL/AB-2/07     | AC5/456/CM106/230040  | 19/03/2024         | 18/03/2025              |  |
| 1022-048   | CDD Digestion Apparatus     | 51/000-1/10    | AC\$/45E/CM10E/230043 | 19/03/2024         | 18/09/2075              |  |
|            | BOD Headator                | 51/900/23      | ACS/45E/EM10E/250045  | 13/03/2024         | 18/08/2025              |  |
|            | Oven                        | SL/HAD-I/03    | AC\$/456/CM106/230036 | 15/03/2034         | 18/03/2025              |  |
| 56050      | Woder Bath                  | 14,/W8/08      | AC\$/456/CM106/230041 | 19/03/2034         | 18/03/2025              |  |
| 10242      | Autoslave                   | SL/AC/125      | ACS/45E/CM10E/230004  | 18/03/2024         | 18403-2025              |  |

Checked by

Analyst



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

For Shreeji Aqua Treatment Pvt.Ltd.

SIM Managing Director. Authorized Signatory

Page 2 of 2

The results relate to sample tested.

For No. 3-50, H Block, LD Topi Nager, Merewell, MIDC Propri-Onterweal, Maharashtra (11018). Pater Later 154 Drivell Torrace Apt. Plot Ma. 55, Porna Napat: Chikpah, Pune: 417019

Wedestans, Plot No. 1, Shah Ind. Park 1, Haltodaris-Savil, Lamdapura, 391 775 (Net, Vadoska

Controller Care Neuroff 2012/25347385 Email: info@shreepidput.com Web: www.shreepidput.com

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|| Shreeji ||

|                              | TEST REPORT   |   | 02/12/2024   |  |  |  |
|------------------------------|---|---|--------------|--|--|--|
| Sample / Report No.          | SL/24-25/11/MWW/154F                                    |   |              |  |  |  |
| Name of Customer             | M/s. VEDANTA LIMITED ( M                                | IET COKE DIVISION)  |              |  |  |  |
| Address of Customer          | SURVEY NO. 205,206,207, 31<br>& 74,SURVEY NO. 207 (PART | (WASTE HEAT RECOVERY POWER PLANT - 1)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1<br>& 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM -<br>GOA. |              |  |  |  |
| Order / Reference            | As per TRF Dated 26/11/20                               | As per TRF Dated 26/11/2024   |              |  |  |  |
| Sample declaration as provid | ded by customer :                                       |   |              |  |  |  |
| Nature of Sample             | River upstream sample (10<br>point)                     | River upstream sample (100 mtrs. upstream from discharge<br>point)  |              |  |  |  |
| Batch No.                    | NA  |   |              |  |  |  |
| Sample Drawn by              | SATPL Team on 26/11/2024                                | Sample Received C   | n 27/11/2024 |  |  |  |
| Start of Analysis            | 27/11/2024  | End of Analysis   | 02/12/2024   |  |  |  |
| Sample Container             | Plastic Can   | Sample Quantity   | 02 lit.      |  |  |  |
| Sampling Procedure           | APHA 1060 (Part B)                                      | Caraolistic Caraolistic Chi   |              |  |  |  |
| Limits                       | GSPCB Consent No.12/2023<br>AS per Class SW – II Waters | G5PCB Consent No.12/2023-PCB/1872509/R00013366<br>AS per Class SW – II Waters   |              |  |  |  |
| Ihemical Testing             |   |   |              |  |  |  |

| Sr.No | Parameters  | Results | Limits  | Unit           | Method                            |
|-------|---|---------|---------|----------------|-----------------------------------|
| 1     | pH  | 7.20    | 6.5-8.5 |                | APHA, 24th Edition 2023/ 4500-H+B |
| 2     | Dissolved Oxygen                                      | 3.7     | <4.0    | mg/lit         | APHA, 24th Edition 2023/ 4500-B&C |
| 3     | Turbidity   | 6.7     | <30.0   | NTU            | APHA 24th edithin: 2130-B: 2023   |
| 4     | Bio Chemical Oxygen Demand<br>(BOD) @ 27*C for 3 Days | 2.3     | <3.0    | mg/lit         | IS 3025 (Part 44):2023            |
| 5     | Temperature   | 27.6    |         | <sup>n</sup> C | 15 3025 [Part 9]: 2023            |

Note: NA-Not Applicable.

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed linkt. Discloimer: 'Information is supplied by customers represented in italic font' Review By, For Shreeji Aqua Treatment Pvt.Ltd.

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Sr.Analyst

CHEATTER For Shire

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

Plane: Plot No. 8-24, 11 Block, Lai Topi Nagar, Morewardi, MIDC, Pimpri-Chinchward, Mahatashma 411018, Labr 184,Streegi Terrace Apr, Plot No. 53, Puma Nagar, Chikhali, Pune: 411019

Vadadara: Flot No.1, Shah Ind. Park-1, Vadodara-Sovil, Lansdapura. 191 775 Dist. Vadodra

Cesterner Care No.: +919225247363 Email: info@streejlacus.com Welk: www.streejlacus.com

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### SHREEJI AQUA TREATMENT PVT. LTD.

According by NABL as per ISG/EC 1792112017

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|               |  | TEST RE  | PORT  |  |   | 02/12/202-  |  |  |
|---------------|--|--|---|--|---|---|--|--|
| Sample / Re   | port No.   | 5L/24-25/11/MWW/154F   |   |  |   |   |  |  |
| Name of Cus   |  | the second se  | international Actual Actual States                              | and the second | COKE DIVISION)                          |   |  |  |
| Address of (  | lustomer   | (WASTE HEAT RECOVERY POWER PLANT - 1)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, HICHOLIM - GOA. |   |  |   |   |  |  |
| Order / Refe  | erence   |  |   | 26/11/2024   | a constant a summarine su               | and the state of the |  |  |
| Sample dect   | aration as provided by cu  | stomer :   |   |  |   |   |  |  |
| Nature of Sa  | mple   | River up   | River upstream sample (100 mtrs. upstream from discharge point) |  |   |   |  |  |
| Batch No.     |  | NA   |   |  |   |   |  |  |
| Sample Drav   | an by  | SATPL Te   | SATPL Team on 26/11/2024 Sa                                     |  | Sample Received On                      | 27/11/2024  |  |  |
| Start of Anal | lysis  | 27/11/20   | 27/11/2024  |  | End of Analysis                         | 02/12/2024  |  |  |
| Sample Cont   | ainer  | Sterile Pla  | Sterile Plastic Bottle Sample Quantity                          |  | 100 ml                                  |   |  |  |
| Sampling Pr   | ocedure  | (5 (1622))   | 1981R20   | 19   | intersity with the second states of the |   |  |  |
| Limits        |  | GSPCB Co   | insent N  | 12/2023-PCE  | 8/1872509/800013366                     | ()  |  |  |
|               |  | AS per Cla   | 155 SW -  | II Waters  |   |   |  |  |
| Biological Te | sting  |  |   |  |   |   |  |  |
| ŝr.No         | Parameters   | Results  | Limits  | Unit   | Method                                  | 1   |  |  |
| 1 Fecal c     | oliform  | 80.0   | <100.0  | MPN/100 ml   | IS (1622):1981R2019                     |   |  |  |
|               | Applicable.<br>rence to above testing para<br>information is supplied by c |  | ented in i  | tallc font'  | hin the prescribed limit.               |   |  |  |
| Sr. No.       | Equipment Name   | Equipment R  | 1 Cer   | ulicate No.  | Calibration Detail                      |   |  |  |

| Sr.Nu.         | Equipment Name              | Equipment ID    | Certificate No.       | Calibration Detail |                         |  |
|----------------|-----------------------------|-----------------|-----------------------|--------------------|-------------------------|--|
|                |                             | 2011/02/22/2012 |                       | Calibrated Date    | Calibration Due<br>Date |  |
|                | plt Metur                   | 91/pil-Mtr-1/01 | AC\$/456/CM106/230034 | 19/03/2024         | 18/83/2025              |  |
| D30753457m     | Analytical Weighing Balance | SL/AB-2/07      | ACS/456/CM106/230040  | 19/03/2024         | 18/03/2025              |  |
| 1022-040       | COO Digestion Apparatus     | SL/COD-(/10     | ACS/456/CM196/230043  | 19/03/2024         | 18/03/2025              |  |
| and the second | B00 Incubitor               | 51,/800/21      | ACS/456/CM196/230045  | 19/83/2024         | 18/93/2025              |  |
| Territory .    | Oven                        | SL/HA0-1/01     | ACS/456/CM106/230036  | 19/03/2024         | 18/03/2025              |  |
| 66050          | Water Bath                  | SL/WR/08        | ACS/456/CM106/230041  | 19/08/2024         | 18/03/2025              |  |
| 10242          | Antoclaye                   | SL/AC-1/26      | AC\$/456/CM106/230004 | 19/02/2024         | 18/03/2025              |  |

Checked by

Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

SIM Managing Director Authorized Signatory

The results relate to sample tested.

-End of Test Report-

Page 2 of 2

Province – Pitra No. 6: 240–41 Minute, La Flogs Haugar, Ministewardi, MIDC, Pitrapri Christmend, Maharastera 41 (018). Lonic – Mid. Storregi Terrane Apr, Pitri No. 53, Pierra Nagar, Childhell, Runer 411039. Wedinteria Phot No. 1, Storic Ind. Parle 1, Vactodara Socia Lampiapora. 191 775 Okt. Vadodca Commerce Care Neur 4119225247363 – Break Informativespilopus.com – Webc evolve, physiophysica.com

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| Shreeji |

| UURI  | No.: TC138772400011146F      |  |  | _  |                                   |             |  |  |  |
|-------|------------------------------|--|--|--|-----------------------------------|-------------|--|--|--|
|       |                              | TEST REP   | ORT  |  |                                   | ACCOUNTS !  |  |  |  |
|       |                              |  |  |  |                                   | 12/12/2024  |  |  |  |
|       | ile / Report No.             |  | 5/11/MW  | and the second |                                   |             |  |  |  |
| Name  | e of Customer                | M/s. VED   | IANTA LIN  | AITED (M   | ET COKE DIVISION]                 |             |  |  |  |
| Addr  | ess of Customer              | SURVEY<br>42/1 & 7<br>SURVEY I<br>GOA.   |  |  |                                   |             |  |  |  |
| Orde  | r / Reference                | As per T   | As per TRF Dated 26/11/2024  |  |                                   |             |  |  |  |
| Samp  | de declaration as provided l | ty customer :  |  |  |                                   |             |  |  |  |
| Natu  | re of Sample                 |  | River downstream sample (100 mtrs. downstream from<br>discharge point) |  |                                   |             |  |  |  |
| Batch | 1 No.                        | NA   | William .  |  |                                   |             |  |  |  |
| Samp  | le Drawn by                  | SATPL T  | eam on 26  | /11/202-   | Sample Received O                 | n 27/11/202 |  |  |  |
| Start | of Analysis                  | 27/11/2  | 024  |  | End of Analysis                   | 02/12/202   |  |  |  |
| Samp  | le Container                 | Plastic C  | att.   | _  | Sample Quantity                   | 0.2 10.     |  |  |  |
| Samp  | ling Procedure               | APHA 10  | 60 (Part B   | 9  |                                   |             |  |  |  |
| Limit | s                            | and the second sec | onsent No<br>lass SW –   | Contraction and the second   | -PCB/1872509/R000                 | 13366       |  |  |  |
| Chem  | ical Testing                 |  |  |  |                                   |             |  |  |  |
| Sc.No | Parameters                   | Results  | Limits   | Unit   | Method                            | 15          |  |  |  |
| 1     | рH                           | 7.29   | 6.5-8.5  |  | APHA, 24 <sup>th</sup> Edition 20 | 23/4500-H+  |  |  |  |
| 2     | Dissolved Oxygen             | 3.6  | <4.0   | mg/lit   | APHA, 24th Edition 20             | 123/4500-8& |  |  |  |
| 3     | Tarbidity                    | 6.4  | < 30.0   | NTU  | APHA 24th edition:                | 2130-8-2023 |  |  |  |

| 1                     | Dissolved Oxygen                                      | 3.0  | <4.9  | mg/ut  | APHA, 24* Balmon 20237 4500-B&C |
|-----------------------|---|------|-------|--------|---------------------------------|
| 3                     | Turbidity   | 6.4  | <30.0 | NTU    | APHA 24th edition: 2130-8: 2023 |
| .4:                   | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2,6  | <3.0  | mg/lit | IS 3025 (Part 44):2023          |
| 5                     | Temperature   | 27.6 |       | PC     | 15 3025(Part 9): 2023           |
| and the second second |   |      |       |        |                                 |

Note: NA-Not Applicable.

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

Review By,

Sr.Analyst

THEAT AND THE ATUTY

For Shreeji Aqua Treatment Pvt.Ltil.

Quality Manager

Authorized Signatory

Page 1 of 2

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

Pane Plot No. II-24, H Block, Lai Topi Nagar, Morewadi, MiDC, Penpri-Dhitchwad, Mahazashtsa 411018. Labi 184,Shreeji Tertaisi Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019 Wadeelara: Plot No.1, Shah Ind. Park-1, Vadodara-Serli, Lamdapura. 291 775 Dist. Vadodsie Castomer Care No.1-919225247365 Email: Infograhretijiequis.com Web: www.shreejiaquis.com

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## SHREEJI AQUA TREATMENT PVT. LTD.

Appreciated by NAML as per ISO/DC 17023 2017

Certified by GO 9001.2015, (SO 14001.3013 & SO 45001.3018

Recognized by Ministry of Epotenment, Parent & Climate Change (MeEFCC), Govt. of India, New Delhi

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

|   | TEST REPORT   |   |                     |  |  |  |  |
|---|---|---|---------------------|--|--|--|--|
| 1. University of the second |   |   | 02/32/202           |  |  |  |  |
| Sample / Report No.   | SL/24-25/11/MWW/154E  |   |                     |  |  |  |  |
| Name of Customer  | M/s. VEDANTA LIMITED ( ME   | COKE DIVISION)  |                     |  |  |  |  |
| Address of Customer   | SURVEY NO. 205,206,207, 31/1<br>74,SURVEY NO. 207 (PART) OF<br>SURVEY NO. 43/1, 44/4 & 44/5 | (WASTE HEAT RECOVERY POWER PLANT - T)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA |                     |  |  |  |  |
| Order / Reference   | As per TRF Dated 26/11/2024   | As per TRF Dated 26/11/2024   |                     |  |  |  |  |
| Sample declaration as provided by   | customer :  |   |                     |  |  |  |  |
| Nature of Sample  | River downstream sample (1<br>. point)  | River downstream sample (100 mtrs. downstream from discharge point)   |                     |  |  |  |  |
| Batch No.   | NA  | Sector States and States  | a sector contractor |  |  |  |  |
| Sample Drawn by   | SATPL Team on 26/11/2024  | Sample Received On  | 27/11/2024          |  |  |  |  |
| Start of Analysis   | 27/11/2024  | End of Analysis   | 02/12/2024          |  |  |  |  |
| Sample Container  | Sterile Plastic Bottle  | Sample Quantity   | 100 ml              |  |  |  |  |
| Sampling Procedure  | IS (1622):1981R2019   |   |                     |  |  |  |  |
| Limits  | GSPCB Consent No.12/2023-P<br>A5 per Class SW II Waters                                     | GSPC8 Consent No.12/2023-PC8/1872509/R00013366<br>A5 per Class SW II Waters   |                     |  |  |  |  |
| liological Testing  |   |   |                     |  |  |  |  |
| r.No Parameters   | Results Limits Unit   | Method  | F.                  |  |  |  |  |

1 Fecal coliform B0.0 <100.0 MPN/100 ml

Note: NA-Not Applicable.

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

#### EQUIPMENT CALIBRATION DETAILS

| Sr. No.     | Equipment Name              | Equipment ID   | Certificate No:       | Calibration Detail |                         |  |
|-------------|-----------------------------|----------------|-----------------------|--------------------|-------------------------|--|
|             |                             |                |                       | Californied Date   | Calibration Due<br>Date |  |
| _           | pH Neter                    | SL/pH-Mtr-1/01 | ACS/456/CM106/230834  | 19/03/283+         | 38/93/2025              |  |
| 19907334576 | Analytical Weighing Balance | SL/AB-2/07     | AC\$/456/CM106/230040 | 19/03/2024         | 18/03/2025              |  |
| 1022-048    | COD Digestion Apparatus     | SL/CDD-1/10    | ACS/456/CM106/210043  | 19/03/2024         | 10/03/2025              |  |
|             | HOD Incohunor               | \$1/1001/23    | AC5/456/CM106/230045  | 19/03/2024         | 18/03/2025              |  |
|             | Owen                        | SL/HA04/23     | AC\$/455/CM106/230036 | 19/03/2024         | 18/03/2025              |  |
| 660.58      | Water Bath                  | SL/WII/08      | AC\$/456/CM106/230041 | 19/03/2024         | 10/03/2025              |  |
| 10242       | Antroclave                  | SL/AC-1/26     | AC\$/456/CM106/238004 | 19/03/2024         | 18/03/2025              |  |

Checked by

Analyst



-End of Test Report-

The results relate to sample tested.

For Skreeji Aqua Treatment Pvt.1td.

SJM Managing Director Authorized Signatory

Page 2 of 2

IS (1622):1981R2019

Parene: Plot Ne. 9 34. H Bloch, Lal Topi Parget, Microwell, NEC, Perpir-Chinishwed, Mehanahtes 471018. Lalo: Miclibusej Denore Apt, Plet, No. 53, Parea Negas, Chiphal, Pare 411019 Bathelara: Plot No.1, Stoh tut, Park 1, Vadodara Sark, Landapara 391 775 Dist, Vadoda. Decomer Gare Neu +919322347355 Emails inforst-treejlagua.com Web: serve, shire/Jaqua.com

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|   |   | TEST RE  | PORT  |   |   | 11/12/2024       |  |
|---|---|--|---|---|---|------------------|--|
| Samt  | ile / Report No.                                      | SL/24-25/  | PAY vehenes   |   |   |                  |  |
| and the second se |   | and the second   | and the second se | and the second se | ET COKE DIVISION)                           |                  |  |
| Addr  | ess of Customer                                       | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 4<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM<br>GOA. |   |   |   |                  |  |
| Orde  | r / Reference   | As per TRI   | F Dated 06  | 5/12/202  | 4   |                  |  |
| Samp  | ile declaration as provided by c                      | istomer:   |   |   |   |                  |  |
| Natu  | re of Sample  | River upstream sample (100 mtrs. upstream from discharge p   |   |   |   |                  |  |
| Batel   | h No.   | NA   |   |   |   |                  |  |
| Samip   | ile Drawn by  | SATPL Tea  | m on 06/  | 12/2024   | 4 Sample Received On 07/12/2024             |                  |  |
| Start   | of Analysis   | 07/12/2024   |   |   | End of Analysis 11/12/2024                  |                  |  |
| Samp  | ole Container   | Plastic Can  |   |   | Sample Quantity 02 lit.                     |                  |  |
| Samp  | oling Procedure                                       | APHA 1060 (Part 8)   |   |   |   |                  |  |
| Limit   |   | GSPCB Con<br>AS per Clas   |   |   | PCB/3872509/R000                            | 13366            |  |
| Chem  | ical Testing  |  |   |   |   |                  |  |
| Sr.No   | Parameters  | Results  | Limits  | Unit  | Meth  | lod              |  |
| 1   | pH  | 7.27   | 6.5-8.5   |   | APHA, 24 <sup>th</sup> Edition 2023/ 4500-E |                  |  |
| 2   | Dissolved Oxygen                                      | 3.7  | <4.0  | mg/lit  | APHA, 24th Edition                          | 2023/ 4500-B&C   |  |
| 3.3   | Turbidity   | 7.2  | <30.0   | NTU   | APHA 24th editio                            | on: 2130-B; 2023 |  |
| 34C   | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2.3  | <3.0  | mg/lit  | 15 3025 (Part 44):2023                      |                  |  |
| 10  | Temperature   | 27.7   | Column 1  | UC .  | IS 3025(Part 9): 2023                       |                  |  |

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



For Shreeji Aqua Treatment Pvt. Ltd.

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

Page 1 of 2

Pupe 7161 Mar 8-34, P. Wock, Lot Tep: Nague, Morewood, MIDC, Pietpel-Chinchwood, Waharashtev 411018. Late 184 Shreeji Terrace Apt, Pict No. 53, Parne Nagar, Chibitali, Parne 411019

Vadiodame Pint No.1, Shah Jud. Park 1, Vadiodara-Savit; Lamalapura, BH1 775 Dirt, Vadiodia

Contorner Care Nall +819/25247368 Email: infogration/jaquation, Webconvectore/jaquation

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|                                | TEST REPORT  |  |            |  |  |  |  |
|--------------------------------|--|--|------------|--|--|--|--|
|                                |  |  | 11/12/202  |  |  |  |  |
| Sample / Report No.            | SL/24-25/12/MWW/74x  | and a state of the second  |            |  |  |  |  |
| Name of Customer               | M/s. VEDANTA LIMITED ( ME'   | COKE DIVISION]   |            |  |  |  |  |
| Address of Customer            | SURVEY NO. 205,206,207, 31/1<br>74.SURVEY NO. 207 (PART) OF  | (WASTE HEAT RECOVERY POWER PLANT – I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74.SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA. |            |  |  |  |  |
| Order / Reference              |  | As per TRF Dated 06/12/2024  |            |  |  |  |  |
| Sample declaration as provided | by customer :  |  |            |  |  |  |  |
| Nature of Sample               | River upstream sample (100   | River upstream sample (100 mtrs. upstream from discharge point)  |            |  |  |  |  |
| Batch No.                      | NA   |  |            |  |  |  |  |
| Sample Drawn by                | SATPL Team on 06/12/2024   | Sample Received On   | 07/12/2024 |  |  |  |  |
| Start of Analysis              | 07/12/2024   | End of Analysis  | 11/12/202- |  |  |  |  |
| Sample Container               | Sterile Plastic Bottle   | Sample Quantity  | 100 ml     |  |  |  |  |
| Sampling Procedure             | APHA 1060 (Part B)   |  |            |  |  |  |  |
| Limits                         | GSPCB Consent No.12/2023-P<br>AS per Class SW – II Waters  | GSPCB Consent No.12/2023-PC8/1872509/R00013366   |            |  |  |  |  |
| Biological Testing             | to your particulation and the state of the s |  |            |  |  |  |  |

| Sr.No     | Parameters | Results | Limits | Unit       | Method              |
|-----------|------------|---------|--------|------------|---------------------|
| 1 Fecal o | coliform   | 0.08    | <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 Narro             | Equipment ID   | Certificate No.       | Califoration Dotail |                         |  |
|--------------|-----------------------------|----------------|-----------------------|---------------------|-------------------------|--|
|              |                             |                |                       | Calibrated Date     | Calibration Dae<br>Date |  |
|              | pH. Metar                   | SL/pH-Mtr-1/01 | AC\$/456/CM106/210034 | 19/03/2014          | 10/03/2025              |  |
| D387534576 · | Analytical Weighing Balance | SL/AB-1/07     | AC5/456/CM106/230040  | 19/03/2024          | 18/01/2025              |  |
| 1023-048     | COD Digestion Apparatus     | \$1/000-1/18   | AC\$/456/CM106/230041 | 19/03/2024          | 18/63/2025              |  |
|              | BOD Instabutor              | SL/BOD/23      | AC\$/456/CM106/230043 | 10/03/2024          | 18/01/2025              |  |
|              | Oven                        | SL/HAD-L/R3    | AC\$/456/CM106/230036 | 19/03/2024          | 18/81/2625              |  |
| 66050        | Water Bath                  | 9./WE/08       | AC\$/456/CM106/230041 | 19/03/2624          | 10/03/2025              |  |
| 10242        | Autodave                    | 5L/AC/126      | AC\$/456/CM106/230004 | 19/03/2024          | 10/03/2025              |  |



The results relate to sample tested.

For Shreeji Aqua Treatment Pvt. Ltd.

Page 2 of 2

SJ(n Managing Director Authorized Signatory

Pane: Plot No. E-24, H Block, Lal Topi Nagar, Minewalli, MDC, Pergni-Chinchwad, Maharashins 411018. Lahi 164.Shineji Terrace Apt, Plot No. 53, Puena Nagar, Chikball, Pune: 411019 Vadostane: Plot No. 1, Shah Ind. Paris 1, Vadodero-Sovii, Landapura. 391 775 Dist, Vadodero Casterner Care Max: +919225347365 Email: Information programmer antisfoction, we welcome your feedbook on pune, Jabatshreejiagua.com Shreeji Agno trainetys: subject to improvement for better contineer antisfoction, we welcome your feedbook on pune, Jabatshreejiagua.com



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|        |  | TEST  | REPORT                  |              |  |                 |  |  |
|--------|--|---|-------------------------|--------------|--|-----------------|--|--|
| -      |  |   | Circle A                |              |  | 11/12/2024      |  |  |
| Samp   | le / Report No.  | Contraction of the second   | 12/MWW)                 | 1000 CO 1000 |  |                 |  |  |
| Name   | of Customer  | M/s. VEDANTA LIMITED (MET COKE DIVISION)  |                         |              |  |                 |  |  |
| Addre  | ess of Customer  | 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 - GO |                         |              |  |                 |  |  |
| Order  | / Reference  | As per Ti   | F Dated 00              | 5/12/2024    |  |                 |  |  |
| Samp   | le declaration as provided by cust   | omer :  |                         |              |  |                 |  |  |
| Natur  | ure of Sample . River downstream sample (100 mtrs. downstream from dischar |   |                         |              |  |                 |  |  |
| Batch  | No.  | NA  |                         |              |  |                 |  |  |
| Samp   | le Drawn by  | SATPL Te  | am on 06/3              | 12/2024      | Sample Received On                     | 07/12/2024      |  |  |
| Start  | of Analysis  | 07/12/20  | 24                      |              | End of Analysis 11/12/2024             |                 |  |  |
| 5emp   | le Container   | Plastic Ca  | n .                     |              | Sample Quantity                        | 02 lit.         |  |  |
| Samp   | ling Procedure   | APHA 10   | io (Part II)            |              | ************************************** |                 |  |  |
| Elmits |  |   | onsent No<br>ass SW – I |              | PCB/1872509/R0001                      | 3366            |  |  |
| Chemi  | cal Testing  |   |                         |              |  |                 |  |  |
| ir.No  | Parameters   | Results   | Umita                   | Unit         | Meth                                   |                 |  |  |
| 1      | pH   | 7.19  | 6.5-8.5                 | -            | APHA, 24 <sup>th</sup> Edition         | 2023/4500-H+8   |  |  |
| 2      | Dissolved Oxygen   | 3.6   | -<4.0                   | mg/lit       | APHA, 24 <sup>th</sup> Edition         | 2023/4500-88/C  |  |  |
| 3      | Turbidity  | 6.8   | <30.0                   | NTU          | APHA 24th editic                       | m: 2130-B: 2023 |  |  |
| 4      | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days                      | 2.8   | <3.0                    | mg/8t        | IS 3025 (Par                           | 1.44):2023      |  |  |
|        | Temperature  | 27.7  | 1                       | °C.          | 15 3025(Pm                             | 0.01-2622       |  |  |

Note: NA-Not Applicable.

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



For Shreejl Aqua Treatment Pvt. Ltd.

SIN 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

Pane: Postilo 3-34 Hillock, La Topi Negas, Minewald, MDC, Perpri Chlochwal, Maharuthis 411016.

Labs 164,5Pmmpl Temoce Apt. Plot No. 53, Purna Nagar, Childfad, Pursa: 411019

Weferdame (Port No.1, Shah (nd. Paris 1, Vedoclace Save): Lenglignzia, 381, 775 Ont. Welcoles

Contonior Core No.) v193225347565 Email: infogration parameters, Web: www.shoedjaga.com

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|                                   | TEST REPORT  |  |                                |  |  |  |  |
|-----------------------------------|--|--|--------------------------------|--|--|--|--|
|                                   | 208400000000   |  | 11/12/202                      |  |  |  |  |
| Sample / Report No.               | SL/24-25/12/MWW/74w  |  | a surger to service to service |  |  |  |  |
| Name of Customer                  | M/s. VEDANTA LIMITED ( MET                                     | COKE DIVISION)   |                                |  |  |  |  |
| Address of Customer               | SURVEY NO. 205,206,207, 31/1,<br>74,SURVEY NO. 207 (PART) OF / | (WASTE HEAT RECOVERY POWER PLANT – I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – GOA. |                                |  |  |  |  |
| Order / Reference                 | As per TRF Dated 06/12/2024                                    |  |                                |  |  |  |  |
| Sample declaration as provided by | customer :   |  |                                |  |  |  |  |
| Nature of Sample                  | River downstream sample (10                                    | 0 mitrs, downstream from (   | lischarge point                |  |  |  |  |
| Batch No.                         | NA.  |  |                                |  |  |  |  |
| Sample Drawn by                   | 5ATPL Team on 06/12/2024                                       | Sample Received On   | 07/12/2024                     |  |  |  |  |
| Start of Analysis                 | 07/12/2024   | End of Analysis  | 11/12/2024                     |  |  |  |  |
| Sample Container                  | Sterile Plastic Bottle   | Sample Quantity  | 100 ml                         |  |  |  |  |
| Sampling Procedure                | APHA 1060 (Part B)   |  |                                |  |  |  |  |
| Umits                             | GSPCB Consent No.12/2023-<br>AS per Class SW – II Waters       | GSPCB Consent No.12/2023-PCB/1872509/R00013366<br>AS per Class SW – II Waters  |                                |  |  |  |  |
| Hological Testing                 |  | Constant and the   |                                |  |  |  |  |
| De Maria Brancasteres             | Concerned Manager Concerned                                    | 100.00 L   | 10.0                           |  |  |  |  |

| Sr.No | Parameters        | Results | Limits | Unit       | Method               |
|-------|-------------------|---------|--------|------------|----------------------|
| 1     | Fecal coliform    | 80.0    | <100.0 | MPN/100 ml | IS (1622): 1981R2019 |
| Mara  | NA Not Amplicable |         |        |            |                      |

Note: NA-Not Applicable.

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

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EQUIPMENT CAUBRATION DETAILS

| 5r. No.  | Epipalipintanti Mariai      | Equiperant 10    | Certificator No.      | Calibration Detail |                         |  |
|--|-----------------------------|------------------|-----------------------|--------------------|-------------------------|--|
|  |                             |                  |                       | Collicated Date    | Celibration Due<br>Date |  |
|  | pri Meter                   | \$1/pfi-Mtr-1/01 | AC\$/456/CM306/230034 | 20/03/2024         | 18/99/2025              |  |
| 0307534576   | Analytical Weighing Salance | SL/AB-2707       | AC\$/456/CMI06/230040 | 19/05/2024         | 18/03/2025              |  |
| 3022-048   | COD Digestico Apgaratas     | \$L/CDD-1/30     | AC\$/456/CM106/230041 | 19/03/2024         | 18/03/2025              |  |
|  | BOD Insubator               | \$1/800/23       | ACS/456/CM306/200045  | 19/03/2024         | 18/09/2025              |  |
| ter and the second seco | Over                        | SL/HAO-V03       | AC\$/456/CM106/230036 | 35/03/2024         | 18/03/2025              |  |
| 66050  | Water Bath                  | SI/WS/GE         | AC3/456/CM106/230041  | 19/03/2024         | 18/03/2025              |  |
| 10242  | Autoclave                   | \$1/AC/126       | ACS/456/CM106/230004  | 19/03/2024         | 18/03/2025              |  |



The results relate to sample tested.

For Shreeji Aqua Treatment Pvt. Ltd.

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Page Z of 2

Pane: Plot No. 5-34, Hillock, Lai Topi Nagar, Morewardi, MDC, Perpel-Chinchwed, Maharashtro 411018. Labi 184,Shireeji Tercace Apt. Plot No. 33, Pane Nagar, Chikhak, Pane: 411019 Vadodara: Plot No.1, Sheh Ind. Park-1, Vadodaro-Sevil, Lamdapure, 391 775 Dirt. Vadodro Custemer Cere No.: +919225347365 Email: Info@shreejiaqua.com Webs www.shreejiaqua.com Shreeji Aguer is alweger subject to Improvement for better customer satisfaction, we werkcome your feedback on pure, Jabibshreejiaqua.com

### ]] Shreqji []



## SHREEJI AQUA TREATMENT PVT. LTD.

Instantine University Solutions Under One Roof Accedited by NABL as per (SO/EE', 17025/2017

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

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

| port No.<br>tomer<br>ustomer<br>rence<br>aration as provided by co<br>mple   | M<br>(V<br>SI<br>7-<br>SI<br>/  | I/s. VED/<br>WASTE F<br>URVEY N<br>4,SURVE  | ANTA LI<br>IEAT REC<br>10. 205,2   |   | _  |  |  |  |  |  |
|--|---|---|--|---|--|--|--|--|--|--|
| tomer<br>ustomer<br>rence<br>aration as provided by cu   | M<br>(V<br>SI<br>7-<br>SI<br>/  | I/s. VED/<br>WASTE F<br>URVEY N<br>4,SURVE  | ANTA LI<br>IEAT REC<br>10. 205,2   |   |  |  | 28/12/2024   |  |  |  |
| ustomer<br>rence<br>aration as provided by cu  | (V<br>SU<br>74<br>SU<br>251   | WASTE F<br>URVEY N<br>4,SURVE   | EAT REG<br>0. 205,2  | SL/24-25/12/MFW/128Aa<br>M/s. VEDANTA LIMITED ( MET COKE DIVISION)  |  |  |  |  |  |  |
| rrence<br>aration as provided by cu  | 51<br>7-<br>51  | URVEY N<br>4,SURVE  | 0.205,2  | and the second                              | the second second second second  | the second s   |  |  |  |  |
| aration as provided by cu  |   | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA |  |   |  |  |  |  |  |  |
| Charles and the second s  |   | ts per TF   | (F Dated   | 23/12/2024  |  | real cost reaction   | New Marth States   |  |  |  |
| mple   | astomer :   | È   |  |   |  |  |  |  |  |  |
| 1953   | A   | liver ap  | treams   | umple (100 m  | itra, uj   | estream from di  | ischarge point   |  |  |  |
|  | - N   | A   |  |   |  |  |  |  |  |  |
| vn by  | S   | ATPL Te   | am on 22   | /12/2024  | Sam  | ple Received Or  | n 24/12/2024   |  |  |  |
| lysis  | 2   | 4/12/20   | 24   |   | End  | of Analysis  | 28/12/2024   |  |  |  |
| ainer  | St  | erile Pla   | stic Botti   | ė.  | Sam  | ole Quantity   | 100 mJ   |  |  |  |
| ocedure  | IS  | (1622):   | 1981820  | 19  | troop  |  |  |  |  |  |
|  | G   | SPCB Co   | nsent No   | 12/2023-PC  | 8/187:   | 2509/R0001336  | 6  |  |  |  |
| sting  |   |   |  |   |  |  |  |  |  |  |
|  |   |   |  |   |  |  |  |  |  |  |
| Parameters   | 5   | Results   | Limits   | Unit  | 1  | Metho  | d  |  |  |  |
| oldorm<br>Applicable.<br>rence to above testing para   | meters, gi  | 90.0<br>Iven Rive   | <100.0   | MPN/100 ml  | -  | 15 (1622):19   | 61R2019  |  |  |  |
| ollform<br>Applicable.<br>rence to above testing para<br>iformation is supplied by o   | meters, gi<br>customers<br>EQUIPN   | 90.0<br>iven Rive<br>s represe<br>MENT CA   | <100.0<br>rupstream<br>inted in i<br>LIBRATI   | MPN/100 ml<br>n sample is wit<br>talic font"<br>ON DETAILS  | -  | IS (1622):19<br>prescribed limit   | 81R2019  |  |  |  |
| ollform<br>Applicable.<br>rence to above testing para<br>sformation is supplied by o<br>Equipment Name   | meters, gi<br>customers<br>EQUIPA<br>Equi   | 90.0<br>iven Rive<br>s represe<br>MENT CA   | <100.0<br>rupstream<br>nted in i<br>LIBRATI  | MPN/100 ml<br>n sample is wit<br>talic font"<br>ON DETAILS<br>ficate No.  | thin the   | 15 (1622):19   | 81R2019  |  |  |  |
| ollform<br>Applicable.<br>rence to above testing para<br>iformation is supplied by o   | meters, gi<br>customers<br>EQUIPN   | 90.0<br>iven Rive<br>s represe<br>MENT CA   | <100.0<br>rupstream<br>nted in i<br>LIBRATI  | MPN/100 ml<br>n sample is wit<br>talic font"<br>ON DETAILS  | thin the   | IS (1622):19<br>prescribed limit<br>Calibration Detail   | 81R2019<br>Calibratian Due   |  |  |  |
| ollform<br>Applicable.<br>rence to above testing para<br>sformation is supplied by o<br>Equipment Name<br>pH Meter<br>Analytical Weighing Balance  | meters, gi<br>EQUIPN<br>Equi<br>SL/pii-5<br>SL/AB-2   | 90.0<br>iven Rives<br>s represe<br>MENT CA<br>ipment ID<br>iter-1/01  | <100.0 r upstreamented in i LIBRATI Cert ACS/  | MPN/100 ml<br>n sample is wit<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/230   | 014<br>040   | IS (1622):19<br>prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/01/2024  | 81R2019<br>Calibratian Due<br>Date<br>19/03/2025   |  |  |  |
| ollform<br>Applicable.<br>rence to above testing para<br>sformation is supplied by o<br>Equipment Name<br>pH Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus   | meters, gi<br>EQUIPN<br>Equi<br>SL/pil-9<br>SL/AB-2<br>SL/COD                               | 90.0<br>iven Rive<br>s represe<br>MENT CA<br>Ipment ID<br>Ibr-1/01<br>I/07<br>4/10  | <100.0 rupstream<br>inted in i<br>LIBRATI<br>ACS/<br>ACS/<br>ACS/                    | MPN/100 ml<br>n sample is wit<br>talic font"<br>2N DETAILS<br>ficate No.<br>456/CM106/210<br>456/CM106/210                                    | 024<br>040   | IS (1622):19<br>prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024  | 81R2019<br>Calibratian Due<br>Date<br>19/03/2025<br>19/03/2025<br>19/03/2025   |  |  |  |
| ollform<br>Applicable.<br>rence to above testing para<br>sformation is supplied by o<br>Equipment Name<br>pit Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus<br>BOD Inculator   | meters, gi<br>EQUIPN<br>Equi<br>SL/pil-3<br>SL/AB-2<br>SL/COD<br>SL/000                     | 90.0<br>iven Rive<br>s represe<br>MENT CA<br>Ipment ID<br>Ibr-1/01<br>Ibr-1/01<br>Ibr-1/01<br>Ibr-1/01<br>Ibr-1/01<br>Ibr-1/01<br>Ibr-1/01<br>Ibr-1/01  | <100.0 r upstreamented in i LIBRATI Cert ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/     | MPN/100 ml<br>n sample is with<br>talic font"<br>ON DETAILS<br>ficate No.<br>456/CM106/230<br>456/CM106/230<br>456/CM106/230<br>456/CM106/230 | 014<br>014<br>040<br>045   | IS (1622):19<br>prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024<br>19/03/2024  | 81R2019<br>Calibratian Due<br>Date<br>19/03/2025<br>19/03/2025<br>19/03/2025<br>19/03/2025   |  |  |  |
| ollform<br>Applicable.<br>rence to above testing para<br>sformation is supplied by o<br>Equipment Name<br>pH Meter<br>Analytical Weighing Balance<br>COD Digestion Apparatus   | meters, gi<br>EQUIPA<br>Equi<br>SL/pil-3<br>SL/AB-2<br>SL/COD<br>SL/ROD<br>SL/ROD<br>SL/ROD | 90.0<br>iven Rive<br>s represe<br>MENT CA<br>Ipment ID<br>Ibr-1/01<br>Ibr-1/01<br>Ibr-1/01<br>Ibr-1/01<br>Ibr-1/01  | <100.0 rupstreamented in i LIBRATI Cert ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/ ACS/      | MPN/100 ml<br>n sample is wit<br>talic font"<br>2N DETAILS<br>ficate No.<br>456/CM106/210<br>456/CM106/210                                    | 024<br>024<br>040<br>045<br>036  | IS (1622):19<br>prescribed limit<br>Calibration Detail<br>Calibrated Date<br>19/03/2024<br>19/03/2024  | 81R2019<br>Calibratian Due<br>Date<br>19/03/2025<br>19/03/2025<br>19/03/2025   |  |  |  |
| and a second sec | wn by<br>lysis<br>tainer<br>ocedure<br>sting  | lysis 2<br>tainer St<br>ocedure IS<br>G<br>A  | lysis 24/12/20<br>tainer Sterile Pla<br>ocedure ES (1622):<br>GSPCB Co<br>AS per Cla | lysis 24/12/2024<br>tainer Sterile Plastic Bottle<br>ocedure IS (1622) 1981820<br>GSPCB Consent No<br>AS per Class SW –                       | lysis 24/12/2024<br>tainer Sterile Plastic Bottle<br>ocedure IS (1622): 1981R2019<br>GSPCB Consent No. 12/2023-PC<br>AS per Class SW – II Waters | lysis 24/12/2024 End<br>tainer Sterile Plastic Bottle Samp<br>ocedure IS (1622): 1981R2019<br>GSPCB Consent No. 12/2023-PCB/187<br>AS per Class SW – II Waters | lysis 24/12/2024 End of Analysis<br>tainer Sterile Plastic Bottle Sample Quantity<br>ocedure IS (1622):1981R2019<br>GSPCB Consent No.12/2023-PCB/1872509/R0001336<br>AS per Class SW – II Waters |  |  |  |

Puner Pitzt No. 8-34. H Block, Lai Topi Nagaz, Morewedi, MDC, Pimpin Chizebwad, Maharoshina 411018. Lahi 154.Shirenji Tomace Aga, Pint No. 53, Pune Nagaz, Chikhak, Pune; 411019 Vadodara: Pict No.1, Shah Ind, Park 1, Vadodara-Savil, Lamdapura, 191 775 Dist. Vadodra Customar Care No.: e919225247365 Email: infrathiver/jaepur.com Web: www.shirenjiaepur.com

Shronji Agan is always subject to improvement for better customer catification, we welcome your feedback on pone\_Job@chreepaque.com



Instancement Disversion mental Scillations Under Close Road According by NARL as per (SO/EC 17425-2017 Centriest by ISO 9001 2015 5, ISO 14001-2015 6, ISO 45001-2018 Records Todal by ISO 9001 2018 (SO 14001-2015 6, ISO 45001-2018)

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

Shreeji

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TC-URT

Laboratory Accognized by Ministry of Environment, Forest & Climate Change, Gevt. of India & NAIIL Valid Up to 13/06/2026. ULR No.: TC138772400011702F

|       |                            | TEST REPO  | DRT   |  |                      | 28/12/2024         |  |  |
|-------|----------------------------|--|---|--|----------------------|--------------------|--|--|
| Samo  | ile / Report No.           | SL/24-25/  | 12/MFW/   | 128Aa  |                      | eoj lej even       |  |  |
|       | e of Customer              | M/s. VEDANTA LIMITED ( MET COKE DIVISION)                          |   |  |                      |                    |  |  |
| Addr  | ess of Customer            | (WASTE H<br>SURVEY N<br>42/1 & 74,                                 | (WASTE HEAT RECOVERY POWER PLANT – I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, &<br>42/1 & 74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM<br>GOA. |  |                      |                    |  |  |
| Orde  | r / Reference              | As per TRF Dated 23/12/2024  |   |  |                      |                    |  |  |
| Samp  | de declaration as provided | by customer :  |   |  |                      | ·                  |  |  |
| Natu  | re of Sample               | River upstream sample (100 mtrs. upstream from discharge<br>point) |   |  |                      | om discharge       |  |  |
| Batch | n No.                      | NA .   |   |  |                      |                    |  |  |
| Samp  | sle Drawn by               | SATPL Ter  | m an 23/1   | 2/2024   | Sample Received 0    | n 24/12/2024       |  |  |
| Start | of Analysis                | 24/12/20   | 24  |  | End of Analysis      | 28/12/2024         |  |  |
| Samp  | de Container               | Plastic Car  |   |  | Sample Quantity      | 0.2 lit.           |  |  |
| Samp  | oling Procedure            | APHA 106   | 0 (Part B)  |  |                      | al contract of the |  |  |
| Limit | tsi                        | GSPCB Cor<br>AS per Cla  |   | and the second | PCB/1872509/8000     | 13366              |  |  |
| Chem  | ical Testing               |  |   |  |                      |                    |  |  |
| Sr.No | Parameters                 | Results  | Limits  | Unit   | Method               | ŝ.                 |  |  |
| 1     | pH                         | 7.24   | 6.5-8.5   | 2.44444  | APHA, 24th Edition 2 | 023/4500-H+I       |  |  |

| 1   | pH  | 7,24 | 6.5-8.5 |         | APHA, 24th Edition 2023/ 4500-H+1 |
|-----|---|------|---------|---------|-----------------------------------|
| 2   | Dissolved Oxygen                                      | 3.9  | <4.0    | mg/lit  | APHA, 24th Edition 2023/4500-B&0  |
| 3   | Turbidity   | 7.5  | <30.0   | NTU     | APHA 24th edition; 2130-B: 2023   |
| 848 | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2,5  | <3.0    | .mg/lit | " IS 3025 (Part 44):2023          |
|     | Temperature   | 27.8 |         | -9C     | IS 3025(Part 9): 2023             |

Note: NA-Not Applicable.

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



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

Pane: Piot No. B-34, Hillick, LaTopi Negar, Mereward, MDC, Pinipri-Chindwood, Mahaaudooa 411018.

Labi 164.Shrreji Torroce Apr. Plot No. 52, Punta Nagar, Childrall, Pune: 411010

Vadiedana Phit No.1, Shah Ind. Parili 1, Vadi dara Gavil Lamdapura. 301 775 Diri. Vedindva

Centomar Care No. (1972253473E) Email: info@stranglaquatory Web: www.stranglaquatory

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Presidential Environmental Solutions (Ander Con Roof Accessibility NAIL as per SOME 17025/2017 Conflictly ISD Non-Jons, ISD 14001/2015 6 (SD 49001/2018 Recognized by Ministry of Environment, Forest & Clemete Change (MoEFCC), Gevt, of India, New Dulh)

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Laboratory Recognized by Ministry of Environment, Forest & Gimate Charge, Govt, of India & NAIII, Valid Up to 13/06/2006. LU P. No. - TC138722400011701F

|| Shreeji ||

| ULK NO.31   | C138772400011701F       | A Description of the local data  | and the second second   |          |                     |               |  |
|-------------|-------------------------|--|-------------------------|----------|---------------------|---------------|--|
|             |                         | TEST REP   | ORT                     |          |                     | 5             |  |
| -           |                         |  |                         |          |                     | 28/12/2024    |  |
| Sample / I  | Report No.              | SL/24-25/12/MFW/128AZ  |                         |          |                     |               |  |
| Name of C   | ustomer                 | M/s. VED   | ANTA LIN                | HTED (M  | ET COKE DIVISION)   |               |  |
| Address o   | f Customer              | (WASTE HEAT RECOVERY POWER PLANT – I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, &<br>42/1 & 74, SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM<br>GOA. |                         |          |                     |               |  |
| Order / Re  | eference                | As per T   | RF Dated 2              | 13/12/20 | 24                  |               |  |
| Sample de   | claration as provided l | by customer :  |                         |          |                     | A             |  |
| Nature of   | Sample                  | River downstream sample (100 mirs. downstream from<br>discharge point)   |                         |          |                     |               |  |
| Batch No.   |                         | NA.  | Provi onalici           |          |                     |               |  |
| Sample Dr   | rawn by                 | SATPL T  | ram on 23               | /12/2024 | Sample Received C   | ht 24/12/2024 |  |
| Start of As | nalysis                 | 24/12/2  | 024                     |          | End of Analysis     | 28/12/2024    |  |
| Sample Co   | ontainer                | Plastic G  | 421                     |          | Sample Quantity     | 02 lit.       |  |
| Sampling    | Procedure               | APHA 10  | 60 (Part B              | }        |                     |               |  |
| Limits      |                         | The second se  | onsent No<br>ass SW – I |          | -PCB/1872509/R000   | 13366         |  |
| Chemical T  | festing                 |  |                         |          | 1                   |               |  |
| Sr.No       | Parameters              | Results  | Limits                  | Unit     | Methor              | J.            |  |
| 1 pH        |                         | 7.16   | 65-85                   |          | APHA 24th Edition 2 | 023/4500-H+/  |  |

| 1 | pH  | 7.16 | 6.5-8.5 | 1.1. Training | APHA, 24th Edition 2023 / 4500-H+B |
|---|---|------|---------|---------------|------------------------------------|
| 2 | Dissolved Oxygen                                      | 3.8  | <4.0    | mg/lit        | APHA, 24th Edition 2023/4500-88C   |
| 3 | Turbidity   | 7.1  | <30.0   | NTU           | APHA 24th edition: 2130-8: 2023    |
| 4 | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2.3  | <3.0    | mg/lit        | 15 3025 (Part 44):2023             |
|   | Temperature   | 27.8 |         | 1°C           | IS 3025(Part 9): 2023              |

Note: NA-Not Applicable.

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



For Shreeji Aqua Treatment Pvt. Ltd. \_

SIM 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

Patter Thirt, No. B-34, Hillock, Lal Topi: Negar, Marewell, MIDC, Pimpri-Chinchwold, Maharachon 411018, Labo 164, Shreeji Terrice Age, Plot No. 53, Partia Nagar, Childraft, Parae 411019

Vadadarat Pirt No.1, Shah Int. Fari-1, Vadadara-SavE Landapara. 391 775 Dist. Vadada

Centerior Care No.1 (119225347365 Email: Info@stree(Jopu.com, Web: www.stree)Jopu.com

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#### || Shreeji ||



## SHREEJI AQUA TREATMENT PVT. LTD.

Accedited by KASL as per SCHEC 170252017 Centiled by KASL as per SCHEC 170252017 Centiled by S012015, SD 140012015 & SO 459612018 Recognitized by Ministry of Environment, Forest & Climate Change (MeEFCC), Gevt. of India, New Delhi

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Tailoratory Recognized by Ministry of Environment, Forset & Climate Change, Govt. of India & NADL Valid Up to 13/06/2025.

|  |   | TEST REF   | ORT   |                                    |   |   |  |  |
|--|---|--|---|------------------------------------|---|---|--|--|
| an any provinces   |   | and the second second  |   |                                    |   | 28/12/2024                              |  |  |
| Sample / R   |   | 51/24-25   | /12/MF  | W/128AZ                            |   |   |  |  |
| Name of Co   | stomer  | M/s. VED   | ANTA LI   | MITED ( MET (                      | OKE DIVISION)                                 |   |  |  |
| Address of   | SURVEY N<br>74,SURVE  | (WASTE HEAT RECOVERY POWER PLANT - 1)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA  |   |                                    |   |   |  |  |
| Order / Rei  | ference   |  |   | 23/12/2024                         | nan han an a | 000000000000000000000000000000000000000 |  |  |
| Sample dec   | laration as provided by c   |  | vel srived a kiivin.  |                                    |   |   |  |  |
| Nature of S  |   | and the second s | wastreau  | m sample (100                      | mtrs. downstream fr                           | om discharge                            |  |  |
| Batch No.  |   | NA   |   |                                    |   |   |  |  |
| Sample Dra   | wn by   | SATPL Te   | am on 25  | 3/12/2024                          | Sample Received Or                            | 24/12/202                               |  |  |
| Start of An  | alysis  | 24/12/20   | 124   |                                    | End of Analysis                               | 28/12/202                               |  |  |
| Sample Cor   | itainer   | Sterile Pla  | stic Botti  | et :                               | Sample Quantity                               | 100 ml                                  |  |  |
| Sampling P   | rocedure  | 15 (1622)  | 1981824   | 019                                |   |   |  |  |
| Limits   |   |  | G5PCB Consent No.12/2023-PC8/1872509/R00013366<br>AS per Class SW - II Waters |                                    |   |   |  |  |
| Biological T   | esting  |  |   |                                    |   |   |  |  |
| Sr.No  | Parameters  | Results  | Limits  | Unit                               | Metho   | d                                       |  |  |
| I Fecal  | coliform  | 90.0   | <100.0  | MPN/100 ml                         | 15[1622]:19                                   | 1R2019                                  |  |  |
| EMARK: Ref   | It Applicable.<br>Ierence to above testing para<br>Information is supplied by ( |  | ented in i  | talic font                         | within the prescribed lin                     | nit.                                    |  |  |
| Sc. Np.  | Equipment Name  | Equipment (D   | Cert  | Ificate No.                        | Calibration Detail                            |   |  |  |
|  |   |  |   |                                    | Calibrated Date                               | Calibration Dan<br>Date                 |  |  |
|  | pit Meter   | SL/pH-Mr-1/01  | ACS/  | 456/CM106/2100                     | 34 19/03/2024                                 | 14/01/2025                              |  |  |
| D397534576   | Analytical Weighing Balance   | SR./AB-2/07  |   | 456/02106/2300                     |   | 18/03/2025                              |  |  |
| and the second state of th | COD Digestion Apparatus   | SL/C00-1/10  | ACS)  | /456/CM106/2380                    |   | 18/03/2025                              |  |  |
| 1022-040   |   |  |   |                                    |   |   |  |  |
| and the second standard second standard second s  | B00 Incubator   | SL/BOD/21  |   | 456/CM106/2100                     |   | 18/90/2025                              |  |  |
| 1022-048   | 800 lacubator<br>Oven   |  | AC57  | /456/CM106/2100<br>/456/CM106/2300 | 36 19/03/2024                                 | 18/03/2025<br>18/03/2025                |  |  |
| 1022-040   | B00 Incubator   | SL/BOD/21  | ACS/  | 456/CM106/2100                     | 36 19/03/2024<br>41 19/03/2024                |   |  |  |

For Shreeji Aqua Treatment Pvt. Ltd.



The results relate to sample tested.

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End of Test Report----

Page 2 of 2

Plane: Plot No. 8-24. H Block, La Topi Nagar, Morewaell, MCC, Perget-Chirobward, Maharashtra 413018. Laki: 164.Shreed Terrace Apt. Plot No. 53, Plana Nagat, Chikhali, Pune: 413019 Vadiodara: Plot No.1, Sheb Ind. Park-1, Vadiodara-Sovii, Landapura. 391 775 Dirt. Vadiodra Cantomer Carle No.: +919225347315 Email: Infodishtreejiaqua.com Web: www.shreejiaqua.com

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|        |  | TEST RI                          | EPORT                                       |  |                                | 14/01/2025   |  |  |  |
|--------|--|----------------------------------|---|--|--------------------------------|--|--|--|--|
| Samp   | le / Report No.  | 51/24-25/0                       | 1/MWW/5                                     | 2n                                       |                                |  |  |  |  |
| Name   | e of Customer  | M/s. VEDAI                       | M/s. VEDANTA LIMITED ( MET CORE DIVISION I) |  |                                |  |  |  |  |
| Addre  | ess of Customer  | (WASTE HEAT RECOVERY POWER PLANT |   |  |                                |  |  |  |  |
| Order  | r / Reference  | As per TRF                       | Dated 09/                                   | 01/2075                                  |                                |  |  |  |  |
| Samp   | le declaration as provided by cus                                  | tomer :                          |   |  |                                |  |  |  |  |
| Natur  | re of Sample -   | River upst                       | néam samp                                   | ile (100 e                               | ntrs. upstream from di         | scharge point)   |  |  |  |
| Batch  | No.  | NA,                              |   |  |                                |  |  |  |  |
| Samp   | le Drawn by  | SATPL Tear                       | n on 09/01                                  | /2025                                    | Sample Received On             | 14/01/2025   |  |  |  |
| Start  | of Analysis  | 10/01/202                        | 5   | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | End of Analysis 14/01/202      |  |  |  |  |
| 5amp   | le Container   | Plastic Can                      |   |  | Sample Quantity                | 02.84  |  |  |  |
| Samp   | ling Procedure   | APHA 1050                        | (Part B)                                    |  |                                |  |  |  |  |
| Limits |  | GSPCB Cone<br>A5 per Class       |   |  | 38/2305158/R0001572            | 3  |  |  |  |
| Chemi  | ical Testing   |                                  |   |  |                                |  |  |  |  |
| Sr.No  | Parameters   | Results                          | Limits                                      | Unit                                     | Meth                           |  |  |  |  |
| 1      | pH   | 7.20                             | 6.5-8.5                                     |  | APHA, 24 <sup>th</sup> Edition | the second s |  |  |  |
| 2      | Dissolved Oxygen   | 3.6                              | <4.0  | mg/L                                     | APHA, 24 <sup>th</sup> Edition | 2023/ 4500-8&C   |  |  |  |
| 3      | Turbidity  | 8.4                              | <30.0                                       | NTU                                      | APHA 24th editio               | n: 2130-8: 2023  |  |  |  |
| :4     | Bio Chemical Oxygen Demand<br>(BOD) @ 27 <sup>9</sup> C for 3 Days | 2.3                              | <3.0  | mg/t                                     | 15 3025 (Par                   | 44):2023   |  |  |  |
| 5      | Temperature  | 27.9                             | Carata                                      | С.                                       | 15 3025(Par                    | 9): 2023   |  |  |  |

Note: NA-Not Applicable

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed innit. Disclaimer: 'Information is supplied by customers represented in Italic fant'



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.

Plan 1 of 2.

Pater - Piot No. 8-24, H Block, La Top Vargar, Microwed, MDC, Pingel-Chinchwed, Mataceature 411010. Late: 154, Strengt Terrace Apt. Piot No. 53, Pione Neger, Chikhell, Pione 411019 Vadiodaria: Piot No.1, Shah Ind. Faris 1, Vadiodare Sevil: Landapian. 2017/5 Dist. Vadiotice Castomer Care No.: +910225247360 - Resalt infrainhenijieguz.com - Webs were, shringleguz.com Ubrengt Aques In adways subject to improvement for heiter contenses satisfaction, we seekcome your feedback on purse\_Teb.glehreejiegua.com

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ENVIRONMENT # FOOD # ANIMAL FOOD & FEED # MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NAIII. Valid: Up to 11/06/2026.

|                                       | TEST REPORT   |   |            |  |  |  |  |
|---------------------------------------|---|---|------------|--|--|--|--|
|                                       |   |   | 14/01/20   |  |  |  |  |
| Sample / Report No.                   | SL/24-25/01/MWW/52n   | SL/24-25/01/MWW/52n   |            |  |  |  |  |
| Name of Customer                      | M/s. VEDANTA LIMITED ( MET                                  | COKE DIVISION I)  |            |  |  |  |  |
| Address of Customer                   | (WASTE HEAT RECOVERY POWER PLANT                            |   |            |  |  |  |  |
| Order / Reference                     | As per TRF Dated 09/01/2025                                 |   |            |  |  |  |  |
| Sample declaration as provided by cus | itomer :  |   |            |  |  |  |  |
| Nature of Sample                      | . River opstream sample (200 m                              | tra. upstream from dischar  | ge point)  |  |  |  |  |
| Batch No.                             | NA  |   |            |  |  |  |  |
| Sample Drawn by                       | 5ATPL Team on 09/01/2025                                    | Sample Received On  | 10/01/2025 |  |  |  |  |
| Start of Analysis                     | 10/01/2025  | End of Analysis   | 14/01/2025 |  |  |  |  |
| Sample Container                      | Sterile Plastic Bottle                                      | Sample Quantity   | 100 ml     |  |  |  |  |
| Sampling Procedure                    | APHA 1060 (Part B)  |   |            |  |  |  |  |
| Limits                                | GSPCB Consent No. 12/2024-PC<br>AS per Class SW – II Waters | GSPCB Consent No. 12/2024-PCB/2305158/#000015723<br>AS per Class SW – II Waters |            |  |  |  |  |
| Biological Testing                    | in position normanita primeria di                           |   |            |  |  |  |  |

| Sr.No | Parameters   | Results | Limits | Unit       | Method              |
|-------|--------------|---------|--------|------------|---------------------|
| 1 Fee | cal 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. Na.    | Explainment Maine           | Equipment ID   | Certificate No.       | Calibration Betail |                  |  |
|------------|-----------------------------|----------------|-----------------------|--------------------|------------------|--|
|            |                             |                |                       | Calibrated Date    | Calibration Due. |  |
|            | pH Mater                    | SL/pH-Mtr-1/01 | AC5/456/CM306/230034  | 19/03/2024         | 14/01/2025       |  |
| 0007534576 | Analytical Weighing Balance | SL/AB-2/07     | AC\$/456/CM206/230048 | 19/03/2024         | 18/03/2021       |  |
| 1023-048   | COO Dignation Apparatus     | 51/000-1/10    | AC\$/456/CM106/230041 | 19/03/2024         | 18/01/2025       |  |
| CARLES COM | BOD Incubator               | 51/900/23      | AC\$/456/CM306/236045 | 39/03/2024         | 18/01/2025       |  |
|            | Dven                        | SL/HAO-VOB     | AC5/456/CM106/230036  | 19/03/2034         | 18/03/2025       |  |
| 66090      | Water faith                 | \$1/W8/08      | AC\$/456/CM306/230041 | 19/03/2024         | 18/03/2025       |  |
| 10242      | Autoclast                   | 3L/AE/126      | AC\$/456/CM3D6/210004 | 13/03/2034         | 18/05/2025       |  |

For Shreeji Aqua Treatment Pvt. Ltd.

C.Y.T.

Managing Director

Authorized Signatory



The results relate to sample tested.

-End of Test Report---

Page 2 of 2

Pane: Plot No. B-24. H Block, Lai Topi Nagar, Morewadi, MiDC, Pimpri Chindhwad, Maharashtee 411018. Lake: 184.Shreeji Temace Apt. Plot No. 53, Parea Nagar, Chikhali, Pane: 411019 Vadodare: Plot No. 1, Shah Ind. Parle 1, Vadodara-Savili, Landiquare. 301 775 Dist. Vadodara Caretoner Care No.: +019225247365 Email: infodotner/Jiiqua.com Web: www.shreejiaqua.com

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|                                  | TEST REPORT  |  |                    |  |  |  |  |
|----------------------------------|--|--|--------------------|--|--|--|--|
|                                  |  |  | 14/01/2025         |  |  |  |  |
| Sample / Report No.              | SL/24-25/01/MWW/52m  |  |                    |  |  |  |  |
| Name of Customer                 | M/s. VEDANTA LIMITED (MET                                  | COKE DIVISION I)   |                    |  |  |  |  |
| Address of Customer              | SURVEY NO. 205,206,207, 31/<br>74,SURVEY NO. 207 (PART) OF | (WASTE HEAT RECOVERY POWER PLANT   |                    |  |  |  |  |
| Order / Reference                | As per TRF Dated 09/01/2021                                | As per TRF Dated 09/01/2025  |                    |  |  |  |  |
| Sample declaration as provided b | iy customer :  |  |                    |  |  |  |  |
| Nature of Sample                 | <ul> <li>River downstream sample (1</li> </ul>             | 00 mtrs. downstream fr   | om discharge point |  |  |  |  |
| Batch No.                        | NA.  |  |                    |  |  |  |  |
| Sample Drawn by                  | SATPL Team on 09/01/2025                                   | Sample Received On:  | 10/01/2023         |  |  |  |  |
| Start of Analysis                | 10/01/2025   | End of Analysis  | 14/01/2025         |  |  |  |  |
| Sample Container                 | Plastic Can  | Sample Quantity  | 02 RL              |  |  |  |  |
| Sampling Procedure               | APHA 1060 (Part 8)   |  |                    |  |  |  |  |
| Limita                           | GSPCB Consent No. 12/2024-1<br>AS per Class SW – II Waters | GSPCB Consent No. 12/2024-PC8/2305158/900015723<br>AS per Class SW - II Waters |                    |  |  |  |  |

#### Chemical Testing

| Sr.No | Parameters   | Results | Limits  | Unit             | Method   |
|-------|--|---------|---------|------------------|--|
| 1     | pH   | 7.12    | 6.5-8.5 |                  | APHA, 24 <sup>th</sup> Edition 2023/ 4500-H+B  |
|       | Dissolved Oxygen   | 3.8     | <4.0    | mg/1             | APHA, 24 <sup>th</sup> Edition 2023/ 4500-68.C |
| 3     | Turbidity  | 7.2     | <30.0   | NTU              | APHA 24th edition: 2130-8: 2023                |
| 4     | Bio Chemical Oxygen Demand<br>(BOD) @ 27 <sup>0</sup> C for 3 Days | 2.6     | <3.0    | mg/L             | 15 9035 (Part 44):2023                         |
| 5     | Temperature  | 27.9    | _       | - <sup>1</sup> C | IS 3025(Part 9): 2023                          |

Note: NA-Not Applicable.

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



For Shreeji Aqua Treatment Pvt. Ltd.

Page 1 of 2

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

Purver Plot No. 8-24, Hillinch, Lai Topi Nagar, Morewordt, MIDC, Ponpri-Chinchwait, Mohenuhtra 411018. Labr 184,Shreeji Termen Apr. Plot No. 55, Purva Nagar, Chikhail, Pone: 411019 Vedeslame Pirt No.1, Shish Ind. Parki 1, Vedeslara Serki, Landapura. 391 725 Dist, Vadodra Castemer Care Nix: +910225247265 Email: Infoatshmejiaquis.com Wedeswork, shranjjaquis.com

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|  | TEST RE  | PORT                |  |                    |            |  |
|--|--|---------------------|--|--------------------|------------|--|
|  |  |                     |  |                    | 14/01/2025 |  |
| Sample / Report No.                        | SL/24-25/  | SL/24-25/01/MWW/S2m |  |                    |            |  |
| Name of Customer                           | M/s. VED/  | ANTA LIM            | ITED (MET COR  | E DIVISION I)      |            |  |
| Address of Customer                        | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA. |                     |  |                    |            |  |
| Order / Reference                          | As per TR  | F Dated 0           | 9/01/2025  |                    |            |  |
| Sample declaration as provided by customer | £3.  |                     |  |                    |            |  |
| Nature of Sample                           | River downstream sample (100 mtrs. downstream from discharge point)  |                     |  |                    |            |  |
| Batch No.                                  | - NA   |                     |  |                    |            |  |
| Sample Drawn by                            | SATPL Tel  | im on 09/           | 01/2025  | Sample Received On | 10/01/2025 |  |
| Start of Analysis                          | 10/01/20   | 25                  |  | End of Analysis    | 14/01/2025 |  |
| Sample Container                           | Sterile Pla  | stic licitie        |  | Sample Quantity    | 100 ml     |  |
| Sampling Procedure                         | APHA 106   | 0 (Part B)          | 1  |                    |            |  |
| Limits                                     | GSPCB Cor<br>AS per Cla  |                     | Contraction and Contraction of Contr | 305158/R00015723   |            |  |
| Nological Testing                          |  |                     | UNCONTRACT.  |                    |            |  |
| r.No Parameters                            | Results  | Limits              | Unit   | Method             |            |  |
| 1 Fecal coliform                           | 90.0   | <300.0              | MPN/100 ml   | 15 (1632):19       | 8182019    |  |
| Inter MA Med Analizable                    |  |                     |  |                    |            |  |

Note: NA-Not Applicable

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

| nes: subour | nation is supplie | d by custome | rs representes | in italic fout. |
|-------------|-------------------|--------------|----------------|-----------------|
|             |                   |              |                |                 |

| Sr. No.                        | Espidement Norrie           | Tquipment ID   | Certificate No.                        | Calibration Optail |                         |  |
|--------------------------------|-----------------------------|----------------|--|--------------------|-------------------------|--|
|                                |                             |                | 10000000000000000000000000000000000000 | Calibrated Date    | Calibration Due<br>Date |  |
| internet and the second second | pH Meter                    | SL/pH-MIN-1/D1 | AC1/456/EM006/230004                   | 18/05/2024         | 10/03/2025              |  |
| 0307534576                     | Analytical Weighing Balance | SL/AB-3/07     | AC5/456/CM306/230040                   | 15/03/2024         | 18/03/2005              |  |
| 1022-048                       | COO Digestion Apparatus     | \$1/000-1/10   | AC\$/456/CMI06/230043                  | 19/03/2024         | 18/63/2025              |  |
|                                | BOD Headator                | \$1/000/23     | AC\$/456/CM006/230008                  | 11/03/2024         | 18/00/2025              |  |
|                                | Øven                        | 5L/HAO-1/08    | AC\$/456/CMD06/230036                  | 13/03/2024         | 18/00/2025              |  |
| 66050                          | Woter faith:                | SL/W/D/D8      | AC\$/456/CM306/230041                  | 13/03/2024         | 38/00/2025              |  |
| 10242                          | Autodaee                    | SL/AE/125      | ACS/45/0/CM406/230004                  | 19/01/2024         | 18/09/2025              |  |



End of Test Report---

The results relate to sample tested.

For Sheeeji Aqua Tenatment Pvt. Ltd.

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Page 2 of 2

Paner Plot No. 3-34. H Bluck, Lai Topi Nagar, Morewall, MOC, Perpi-Chinchwal, Maharashtra 411018. Lab: MAShreeji Tensor Apt. Plot No. 53, Plans Nagar, Chikhall, Pune. 411019 Vadialare: Plot No. 1, Shah Ind. Park 1, Vadodara-Savii, Laindapura, 391 775 Dist, Vadodra Cuatemer Care No.: + 1/19225247385 Email: Info@shreejikqua.com Web: www.shreejikqua.com

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|        |  | TEST RE   | PORT   |  |   | 03/02/2025    |  |
|--------|--|---|--|--|---|---------------|--|
| Samp   | le / Report No.  | 51/24-25/0  | /MFW/12  | 48   |   | and and a set |  |
|        | e of Customer  | M/s. VEDA   | TA LIMITE  | D ( MET  | COKE DIVISION II                              |               |  |
| Addre  | ess of Customer  | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,5URVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA |  |  |   |               |  |
| Order  | r / Reference  | As per TRF  | the state of the s | the second s | nya manana katalah katala katala katala<br>Ka |               |  |
| Samp   | le declaration as provided by cust                                 | omer :  |  |  |   |               |  |
| Natur  | re of Sample   | River upstream sample (100 mtrs. upstream from discharge point)   |  |  |   |               |  |
| Batch  | t No.  | NA  |  |  |   |               |  |
| Samp   | ile Drizwn by  | SATPL Team on 28/01/2025 Sample Received On   |  | 29/01/2025   |   |               |  |
| Start. | of Analysis  | 29/01/202   |  |  | End of Analysis                               | 03/02/2025    |  |
| Samp   | le Container   | Plastic Can   |  | Sample Quantity  | 02.8t   |               |  |
| Samp   | ling Procedure   | APHA 1060 (Part 8)  |  |  |   |               |  |
| Limits | •  | GSPCB Cons<br>AS per Class  |  |  | 38/2305158/R0001572                           |               |  |
| Chemi  | ical Testing   |   |  |  |   |               |  |
| Sr.No  | Parameters   | Results   | Limits.  | Unit   | Meth  |               |  |
| 1      | pH   | 7.34  | 6.5-8.5  | <  | APHA, 24 <sup>th</sup> Edition 2023/ 4500-H   |               |  |
| 2      | Dissolved Oxygen   | 3.8   | <4.0   | mg/L   | APHA, 24 <sup>th</sup> Edition 2023/ 4500-4   |               |  |
| - 3    | Turbidity  | 8.8   | <30.0  | NTU  | APHA 24th edition: 2130-8: 20                 |               |  |
| 4      | Bio Chemical Oxygen Demand<br>(BOD) @ 27 <sup>2</sup> C for 3 Days | 2.5   | <3.0   | mg/L   | IS 3025 (Part 44):2023                        |               |  |
| 5      | Temperature  | 27.8  | · · · · · · · · · · · · · · · · · · ·  | °C   | 15 3025(Part 9): 2023                         |               |  |

Note: NA-Not Applicable.

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



For Shreeji Agua Treatment Pvt. Ltd.

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

Page 1 of 2

Flot No. 8-24. H Block, Lal Topi Nagar, Morewadi, MEDC, Prepri-Chinchwad, Maharashma 411018. Putter

164, Streep Terrace Apt. Plot No. 51, Puma Nagar, Chikhali, Pune: 411019 Labr. Vadodarac Piet No.1, Shah Ind. Park T, Vadodara Savil, Lawdapara. 101.775 Dist, Vadodara

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|   | TEST REPORT  |                    |            |  |  |
|---|--|--------------------|------------|--|--|
|   |  |                    | 03/02/20   |  |  |
| Sample / Report No.                       | 5L/24-25/01/MFW/1248   |                    |            |  |  |
| Name of Customer                          | M/s, VEDANTA LIMITED ( MET (   | COKE DIVISION I)   |            |  |  |
| Address of Customer                       | (WASTE HEAT RECOVERY POWER PLANT - I)<br>5URVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,5URVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA. |                    |            |  |  |
| Order / Reference                         | As per TRF Dated 28/01/2025  |                    |            |  |  |
| Sample declaration as provided by custome | r :  |                    |            |  |  |
| Nature of Sample                          | River upstream sample (100 mtrs. upstream from discharge point)  |                    |            |  |  |
| Batch No.                                 | NA   |                    |            |  |  |
| Sample Drawn by                           | SATPL Team on 28/01/2025   | Sample Received On | 29/01/2025 |  |  |
| Start of Analysis                         | 29/01/2025   | End of Analysis    | 03/02/2025 |  |  |
| Sample Container                          | Sterile Plastic Bottle   | Sample Quantity    | 100 ml     |  |  |
| Sampling Procedure                        | APHA 1060 (Part 8)   |                    |            |  |  |
| Limits                                    | GSPCB Consent No. 12/2024-PCB/2305158/800015723<br>A5 per Class SW – II Waters   |                    |            |  |  |
| Nological Testing                         |  |                    |            |  |  |
|   | A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR   | 100.000            | 197        |  |  |

| Sr.No            | Parameters  | Results | Limits | Unit  | Method              |   |
|------------------|---|---------|--------|---|---------------------|---|
| 1                | Fecal coliform  | 80.0    | <100.0 | MPN/100 ml  | 15 (1622):198182019 |   |
| and in the local | A CALL AND A |         |        | Construction of the second s |                     | _ |

Note: NA-Not Applicable.

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

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

#### EQUIPMENT CALIBRATION DETAILS

| Sr. No.    | Eggljørnerd Nærne           | Elevipretert ID                          | Certificate No.       | Califoration Detail. |                         |  |
|------------|-----------------------------|--|-----------------------|----------------------|-------------------------|--|
|            |                             | 1. |                       | Celibrated Data      | Calibration Due<br>Date |  |
|            | pH Meter                    | 31/pm-Mtr-1/01                           | AC5/456/CM106/290034  | 19/03/2014           | 18/03/2025              |  |
| 0307534576 | Analytical Weighing Balance | 5L/AB-2/07                               | AC\$/456/CM106/230040 | 19/03/2024           | 18,03/2025              |  |
| 1003-048   | COO Digestion Apparatus     | 5L/COD-1/10                              | AC\$/456/CM306/230043 | 19/03/2024           | 18/03/2025              |  |
|            | 800 locultator              | \$L/800/23                               | AC\$/456/CM106/230045 | 19/68/2024           | 38/00/2075              |  |
|            | Quert                       | SL/HAO-VOR                               | ACS/456/CM306/230036  | 19/01/2024           | 38/03/2025              |  |
| 66050      | Water Bath                  | 5U/W8/08                                 | AC\$/456/CM106/230041 | 19/03/2024           | 11/03/2025              |  |
| 10343      | Autoclave                   | SU/AC/126                                | ACI/456/CM1205/230004 | 19/01/2024           | 38/03/2025              |  |

For Shreeji Aqua Treatment Pvt. 11d.

Managing Director Authorized Signatory

-End of Test Report

The results relate to sample tested.



Page 2 of 2

Flot No. 9-24, H Block, Lai Topi Nagar, Morewadi, MIDC, Fimpri-Chinchwad, Maharashtra 411018. Parent Lahe: 164.Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pune: 411019 Vedeidane Piot No.1, Shoh Ind. Park-1, Vadoelero Savil, Lanndapura. 301 775 Dist. Vadoeler Custamer Care No.: +1/19225247363 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

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Laboratory Recognized by Ministry of Environment, Fornit & Climate Guange, Govt. of India & NAIL Valid Up to £1/06/2024. ULR No.: TC138772500012228F

|                       |   | TEST   | REPORT                       |           |  | 03/02/2025   |  |  |
|-----------------------|---|--|------------------------------|-----------|--|--|--|--|
| Samp                  | le / Report No.                                       | 5L/24-25/01/MFW/124A   |                              |           |  |  |  |  |
| and the second second | of Customer   | M/s. VED   | ANTA UMD                     | ED (MET   | COKE DIVISION I                              |  |  |  |
| Addre                 | us of Customer  | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 127,44,43/1,43/2, & 42/1 &<br>74,5URVEY NO. 207 (PART) OF NAVEUM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOUM - GOA. |                              |           |  |  |  |  |
| Order                 | / Reference   | As per TP  | IF Dated 28                  | /01/2025  |  | Self-Internet Sector   |  |  |
| Samp                  | le declaration as provided by custo                   |  |                              | 10.517    |  |  |  |  |
| Natur                 | e of Sample   | River do   | wastream s                   | ample (10 | 10 mtrs. dawnstream fr                       | om discharge point   |  |  |
| Batch                 | No,   | NA   |                              |           |  |  |  |  |
| Sample Drawn by       |   | SATPL Team on 28/01/2025   |                              |           | Sample Received On                           | 29/01/2025   |  |  |
| Start                 | of Analysis   | 29/01/2025   |                              |           | End of Analysis                              | 03/02/2025   |  |  |
| Samp                  | le Container  | Plastic Can  |                              |           | Sample Quantity                              | 02 lit.  |  |  |
| Samp                  | ling Procedure  | APHA 1060 (Part 8)   |                              |           |  |  |  |  |
| Umit                  | 1.  |  | nsent No. 1<br>Iss SW – II V |           | CB/2305158/W0001572                          |  |  |  |
| Chemi                 | ical Testing  |  |                              |           |  |  |  |  |
| Sr.No                 | Parameters  | Results  | Limits                       | Unit      | Meth   |  |  |  |
| 1                     | pH.   | 7.23   | 6.5-8.5                      |           | APHA, 24 <sup>th</sup> Edition               | Characterized in the Context Concerns and Andrews 2. And the December of |  |  |
| 2                     | Dissolved Oxygen                                      | 1.9  | <4.0                         | mg/L      | APHA, 24 <sup>th</sup> Edition 2023/ 4500-B8 |  |  |  |
| 3                     | Turbidity   | 8.1  | <30.0                        | NTU       | APHA 24th edition: 2130-8: 2023              |  |  |  |
| 43                    | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2,7  | <9.0                         | mg/L      | 15 3025 (Pa                                  | ri 441:2023  |  |  |
| 5                     | Temperature   | 27.8   |                              | °C.       | 15-3025(Pa                                   | rt 9]: 2023  |  |  |

Note: NA-Not Applicable.

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



For Shreeji Aqua Treatment Pvt. Ltd.

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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

Pane: "Flot No. 3-24, 10 Boch, Lat Tep: Nagar, Morowadi, HEDC, Periph-Chinchwed, Maharashmi-411008.

Late: 164,Shreep Terrace Apt, Plot Wo. 53, Purns Nagar, Chikhali, Punie 40 1010

Valledara: Pkr No.1, Stylt Ind. Parls 1, Vadadara-Gell, Lamdapora. 391 775 Dist. Vadadne Custamer Gara Nau v119225347300 Emails Infoduktion/Jaqua.com Webt www.shtejlaqua.com

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|                                   | TEST RE   | PORT   |  |                    | 03/02/202   |  |  |
|-----------------------------------|---|--|--|--------------------|-------------|--|--|
| Sample / Report No.               | 51/24-25/   | 01/MFW/  | 124A   |                    | Maj 047 202 |  |  |
| Name of Customer                  | a the birth of the second s | and the second | TED (MET COR   | E DIVISION ()      |             |  |  |
| Address of Customer               | (WASTE H<br>SURVEY N<br>74,SURVE  | (WASTE HEAT RECOVERY POWER PLANT   |  |                    |             |  |  |
| Order / Reference                 | As per TR   | As per TRF Dated 28/01/2025  |  |                    |             |  |  |
| Sample declaration as provided by | customer :  |  |  |                    |             |  |  |
| Nature of Sample                  | . River dow   | River downstream sample (100 mtrs. downstream from discharge point)  |  |                    |             |  |  |
| Batch No.                         | NA  |  |  |                    |             |  |  |
| Sample Drawn by                   | SATPL Ter   | im on 28/  | 01/2025  | Sample Received On | 29/01/2025  |  |  |
| Start of Analysis                 | 29/01/20  | 25   |  | End of Analysis    | 03/02/2025  |  |  |
| Sample Container                  | Sterile Pla   | stic Bottle  |  | Sample Quantity    | 100 ml      |  |  |
| Sampling Procedure                | APHA 106  | 0 (Part 8)   |  |                    |             |  |  |
| Limits                            | GSPCB Cor<br>AS per Cla   |  | and the second | 305158/R00015723   |             |  |  |
| Biological Testing                | 5000 - Contra   |  |  |                    |             |  |  |
| Sr.No Parameters                  | Results   | Limits   | Unit   | Metho              | ed.         |  |  |
| 1 Fecal coliform                  | 80.0  | 0.002>   | MPN/100 ml   | 15 (1622):18       | 8182019     |  |  |

Note: NA-Not Applicable.

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

#### EQUIPMENT CAUBRATION DETAILS

| Sr. No.                    | Equipment Name              | Equipment ID   | Certificate No.       | Califoration Detail |                         |  |
|----------------------------|-----------------------------|----------------|-----------------------|---------------------|-------------------------|--|
|                            |                             |                |                       | Calibrated Date     | Calibration Due<br>Date |  |
| ALC: NO. OF TAXABLE PARTY. | pH Meter                    | 51/pH-Mtr-1/01 | AC\$/455/CM306/230034 | 10/03/2034          | 18/03/2025              |  |
| 0307534576                 | Analytical Weighing Balance | 18./AB-3/07    | AC\$/456/CM106/210040 | 18/03/2014          | 14/01/2025              |  |
| 1022-048                   | COD Digestion Apparatus     | \$2/COD-U10    | AC\$/456/CM106/230543 | 15/03/2024          | 18/05/2025              |  |
| 1100 C                     | 600 Insubator               | SL/BOD/23      | AC\$/456/CM106/230045 | 19/03/2014          | 18/03/2025              |  |
|                            | Oven                        | \$2,7HAD-1/01  | AC\$/456/CM106/230036 | 19/05/2024          | 18/09/2025              |  |
| 00000                      | Water Bath                  | 5L/WB/D8       | AC\$/456/CM106/230041 | 19/09/2024          | 13/03/2025              |  |
| 10243                      | Autoclave                   | R/AC/126       | AC3/456/CM106/230004  | 10/00/2024          | 18/09/2025              |  |



For Shreeji Agua Treatment Pvt. Ltd.

Managing Director Authorized Signatory

The results relate to sample tested.

End of Test Report-

Page 2 of 2

Flot No. 8-24, H Nock, Lal Topi Nagar, Moreward, MECC, Pempel-Chinchward, Maharauhura 411018. Passa Laby. 184.Shreeji Terrace Apt. Plot No. 53. Purna Nagac Chikhail, Pune 411019 Vadiodara: Plot No.1, Shah Ind. Park-1, Vadiodara-Sovii, Lamdapura, 391 775 Dist, Vadiodra Contorner Care No.: +9192252473E5 Email: infogshree/Jaqua.com Web: www.shree/Jaqua.com Shreeji Aqua is always subject to improvement for better sustainer satisfaction, we beform your feedback on pure Jaket dreejisque.com



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|   |                                    | TEST RE  | PORT      |         |                                |                |  |  |
|---|------------------------------------|--|-----------|---------|--------------------------------|----------------|--|--|
| -   |                                    |  |           |         |                                | 12/02/2028     |  |  |
| Samp  | le / Report No.                    | 51/24-25/0   |           |         |                                |                |  |  |
| Name  | of Customer                        | M/s. VEDA/   | NTA UMITE | D ( MET | COKE DIVISION I]               |                |  |  |
| Address of Customer (WASTE HEAT RECOVERY POWER PLANT – I).<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42<br>74,5URVEY NO. 207 (PART) OF NAVEUM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – |                                    |  |           |         |                                |                |  |  |
| Order   | / Reference                        | As per TRF   | Dated 07/ | 02/2025 |                                |                |  |  |
| Samp  | le declaration as provided by cust | omer :   |           |         |                                |                |  |  |
| Natur   | a of Sample                        | River upstream sample (100 mtrs. upstream from discharge point)                |           |         |                                |                |  |  |
| Batch   | No.                                | NA   |           |         |                                |                |  |  |
| Sample Drawn by   |                                    | SATPL Team on 07/02/2025   |           | /2025   | Sample Received On             | 08/02/2025     |  |  |
| Start   | of Analysis                        | 08/02/2025   |           |         | End of Analysis                | 12/02/2025     |  |  |
| Samp  | le Container                       | Plastic Can  |           |         | Sample Quantity                | 02 lit_        |  |  |
| Samp  | ling Procedure                     | APHA 1060 (Part B)   |           |         |                                |                |  |  |
| Limits  |                                    | GSPCB Consent No. 12/2024-PC8/2305158/R00015723<br>A5 per Class 5W – Il Waters |           |         |                                |                |  |  |
| Chemi   | cal Testing                        |  | 11        |         | and the second second          |                |  |  |
| Sr.No   | Parameters                         | Results  | Umits     | Unit    | Metho                          |                |  |  |
| 1   | pH                                 | 7.31   | 6.5-8.5   | -       | APHA, 24 <sup>th</sup> Edition |                |  |  |
| -2  | Dissolved Oxygen                   | 6.6  | >4.0      | mg/L    | APHA, 24" Edition              | 2022/ 4500 B&C |  |  |
| з   | Turbidity                          | 7.6  | <30.0     | NTU     | APHA 24th edition              | 2130-11:2023   |  |  |
|   |                                    |  |           |         |                                |                |  |  |

| 3     | Turbidity   | 7.6  | <30.0 | NTU  | APHA 24th edition: 2130-B; 202 |
|-------|---|------|-------|------|--------------------------------|
| 74    | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2.6  | <3.0  | mg/L | 15 3025 (Part 44):2023         |
| 5     | Temperature   | 27.8 |       | 30   | 15 3025(Part 9): 2023          |
| Mater | NS Not Spolicable                                     |      |       |      |                                |

Note: NA-Not Applicable.

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



For Shreeji Aqua Treatment Pyt. Ltd.

S117 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

Panne Pict No. 8-24. Millinck, Lai Topi Nagar, Minowadi, MDC, Pimpi-Chinchwad, Maharashtra-411018. Lako 184,Shreeji Terrace Aga, Pict Ne. 51, Piena Nagar, Chikhari, Purre, 411018. Vadiedane Piet No. 1, Shah Ind. Fark-1, Vadedane Savil, Landapun, 301 725 Dist. Vadedea Castiamer Care No. 1 +9192252473trl. Email: info@shreejiaqua.com Web: www.shreejiaqua.com

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|   | TEST REPORT  |                            |            |  |  |  |
|---|--|----------------------------|------------|--|--|--|
|   |  |                            | 12/02/203  |  |  |  |
| Sample / Report No.                     | SL/24-25/02/MWW/203T   |                            |            |  |  |  |
| Name of Customer                        | M/s. VEDANTA LIMITED ( MET   | COKE DIVISION I]           |            |  |  |  |
| Address of Customer                     | (WASTE HEAT RECOVERY POWER PLANT I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM GOA. |                            |            |  |  |  |
| Order / Reference                       | As per TRF Dated 07/02/2025  |                            |            |  |  |  |
| Sample declaration as provided by custo | amer :   |                            |            |  |  |  |
| Nature of Sample                        | River upstream sample (100 m   | rtrs, upstream from discha | rge point) |  |  |  |
| Batch No.                               | NA   | 1 ( )                      |            |  |  |  |
| Sample Drawn by                         | 5ATPL Team on 07/02/2025   | Sample Received On         | 08/02/2025 |  |  |  |
| Start of Analysis                       | 08/02/2025   | End of Analysis            | 32/02/2025 |  |  |  |
| Sample Container                        | Sterile Plastic Bottle   | Sample Quantity            | 100 ml     |  |  |  |
| Sampling Procedure                      | APHA 1060 (Part B)   |                            |            |  |  |  |
| Limits                                  | GSPCB Consent No. 12/2024-PCB/2305158/R00015723<br>A5 per Class SW – II Waters   |                            |            |  |  |  |
| Biological Testing                      | distance and bits  |                            |            |  |  |  |
|   | 1. State and the state state in the state  | 1000                       | 1.1        |  |  |  |

| Sr.No                 | Parameters     | Results              | Limits                   | Unit   | Method   |
|-----------------------|----------------|----------------------|--------------------------|--|--|
| 1                     | Fecal coliform | 50.0                 | <100.0                   | MPN/100 mil                                    | 65 (1672) 198182019  |
| and the second second |                | den standarfingen se | Part of the state of the | how we have a state of the second state of the | and the state of t |

REMARK: Reference to above testing parameters, given River upstream sample is within the prescribed limit. Note: NA-Not Applicable.

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EQUIPMENT CALIBRATION DETAILS

| Sr. No.    | Equiprement Name              | Eigvigettertt XD | Certificane No.        | Cellbration Ontail |                         |  |
|------------|-------------------------------|------------------|------------------------|--------------------|-------------------------|--|
|            |                               | and<br>Anti-     |                        | Collinated Bate    | Calibration Due<br>Date |  |
|            | pH Meter                      | 34/pH-MR-1/DI    | AC\$/456/CM\$06/730034 | 28/03/2228         | 11/03/3035              |  |
| D50753457h | Analytical Writighing Balance | SL/AB-2/07       | AC\$/456/CM\$B6/230040 | 19/03/2024         | 18/03/2025              |  |
| 1072-048   | COD Digestion Apparatus       | FL/COD-1/10      | AC\$/456/CM306/230043  | 19/01/2024         | 18/03/2025              |  |
|            | BOD Incalisator               | \$1/900/29       | AC\$/454/CM104/239045  | 19/03/2024         | 38/03/2025              |  |
|            | Qvan                          | \$1/HAD-6/01     | AC\$/456/CM106/230036  | 19/03/2024         | 18/03/2025              |  |
| 66050      | Water Bath                    | \$L/WB/08        | AC\$/456/CM306/230041  | 19/03/2024         | 18/01/3025              |  |
| 30342      | Autoclave                     | 34/40/126        | AC\$/456/CM306/230064  | 19/03/2024         | 15/01/2025              |  |

For Shreeji Aqua Treatment Pvt. Ltd.



End of Test Report-

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Page 2 of 2

The results relate to sample tested.

Pane: Plot No. 8-24, H Bisch, Lai Topi Nagar, Wornwads, MDC, Pinger-Chinchwad, Waharadma 411018. Lab: 184,Shranji Terrace Apr. Plot No. 53, Purna Nagar, Chikheli, Punci 411019 Vededena: Plot No. 1, Shuh Ind. Park 1, Vedodare Sarfi, Lamdagura. 201 775 Dist. Vedodra Castemer Care No.: +011225247265 Email: infogitivesjaque.com: Welle www.shreejaque.com Shranji Agum In always subject to Improvement for better customer satisfaction, we welcome your feedback on pune\_labor shreejaque.com



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|| Shreeji ||

|                       |  | TEST   | REPORT      |            |                                | 12/02/2025  |  |
|-----------------------|--|--|-------------|------------|--------------------------------|---|--|
| Samo                  | le / Report No.  | 51/24.25/  | 02/MWW/     | 2015       |                                | AR/100/ AMAG  |  |
| and the second second | of Customer  |  |             |            | COKE DIVISION IS               |   |  |
|                       | ne of Customer M/s. VEDANTA LIMITED (MET COKE DIVISION I)<br>ress of Customer (WASTE REAT RECOVERY POWER PLANT – I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/<br>74,5URVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM – |  |             |            |                                |   |  |
| Order                 | r / Reference  | As per Ti  | IF Oated 07 | /02/2025   |                                |   |  |
| Samp                  | le declaration as provided by cust   | omer :   |             |            |                                |   |  |
| Natur                 | re of Sample   | River do   | wastream s  | ample (1   | 00 mtrs. downstream fr         | om discharge paint  |  |
| Batch                 | No.  | NA   |             |            |                                |   |  |
| Samp                  | le Drawn by  | SATPL Team on 07/02/2025 Sample Received On                                    |             | 08/02/2025 |                                |   |  |
| Start of Analysis     |  | 08/02/2025   |             |            | End of Analysis                | 12/02/2025  |  |
| Samp                  | le Container   | Plastic Can  |             |            | Sample Quantity                | 02.lit.   |  |
| Samp                  | ling Procedure   | APHA 10  | 60 (Part 8) |            |                                |   |  |
| Limite                | L  | GSPCB Consent No. 12/2024-PCB/2305158/R00015723<br>AS per Class SW ~ II Waters |             |            |                                |   |  |
| Chemi                 | ical Testing   | 111  |             |            |                                |   |  |
| Sr.No                 | Parameters   | Results  | Limits      | Unit       | Meth                           | od  |  |
| 1                     | pH   | 7.23   | 5.5-8.5     |            | APHA, 24" Edition              | the second se |  |
| 2                     | Dissolved Oxygen   | 6,8  | >4.0        | mg/L       | APHA, 24 <sup>th</sup> Edition | the second s  |  |
| 3                     | Turbidity  | 6.5  | <30.0       | NTU        | APHA 34th edition: 2130-8: 202 |   |  |
| 10.0                  | Bio Chemical Oxygen Demand   | 2.7  | <3.0        | mg/L       | 15 3825 (Part 44):2023         |   |  |
| 4                     | (BOD) @ 27°C for 3 Days  |  |             | "c         |                                | (\$ 3025(Part 9); 2023  |  |

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



For Shreeji Aqua Treatment Pvt. Ltd.

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

Page 1 of 2.

Pane Piot No. 8-24. H Bock, Lei Topi Nager, Monzwadi, MDC, Pimpri-Chinchwad, Matarushna 471018. Labr 184, Shringi Terrocz Apt, Piot No. 53, Piana Nagar, Chikhali, Pinne 431019. Vadiadlarw, Piot No. 1, Shah-Ind. Fark-1, Vadodaw Sork, Landapore, 301-775 Dist, Vastation Camoroar Care No. 2 (919225247365) Email: inforthere/jaqua.com. Web: www.shrenjaqua.com Shrenji Aqua N always subject to Improvement for better customer eatlafaction, we welcome your feedback on pune, Jab@shrenjiaqua.com

### [| Shree)i []



# SHREEJI AQUA TREATMENT PVT. LTD.

Accessibled by IAAB, as per ISD/RC 17625/2012 Centified by ISO 9001/2015, ISO 14021/2015 & ISO 45881/2018 Recognized by Rinistry of Environment, Forest & Climete Change (Mod/FCC), Gevt, of India, New Delhi

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Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/28/2828.

|                                   | TEST REPORT  |  |                |  |  |  |  |
|-----------------------------------|--|--|----------------|--|--|--|--|
|                                   |  |  | 12/02/203      |  |  |  |  |
| Sample / Report No.               | 5L/24-25/02/MWW/2035   |  |                |  |  |  |  |
| Name of Customer                  | M/s. VEDANTA LIMITED (MET C  | OKE DIVISION ()  |                |  |  |  |  |
| Address of Customer               | [WASTE HEAT RECOVERY POWER PLANT - I]<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA. |  |                |  |  |  |  |
| Order / Reference                 | As per TRF Dated 07/02/2025  |  |                |  |  |  |  |
| Sample declaration as provided by | pustomer :   |  |                |  |  |  |  |
| Nature of Sample                  | River downstream sample (10  | 9 mtrs. downstream from a  | lischarge poin |  |  |  |  |
| Batch No.                         | NA NA  | - 1  |                |  |  |  |  |
| Sample Drawn by                   | SATPL Team on 07/02/2025   | Sample Received On   | 08/02/2025     |  |  |  |  |
| Start of Analysis                 | 08/02/2025   | End of Analysis  | 12/02/2025     |  |  |  |  |
| Sample Container                  | Sterile Plastic Bottle   | Sample Quantity  | 100 ml         |  |  |  |  |
| Sampling Procedure                | APHA 1060 (Part B)   |  |                |  |  |  |  |
| Limits                            | GSPCB Consent No. 12/2024-PC<br>A5 per Class 5W – II Waters  | GSPCB Consent No. 12/2024 PCB/2305158/R00015723<br>A5 per Class 5W – II Waters |                |  |  |  |  |
| Siological Testing                |  |  |                |  |  |  |  |

| Sr.No | Parameters     | Results | Umits  | Unit       | Method              |  |
|-------|----------------|---------|--------|------------|---------------------|--|
| 1     | Fecal coliform | 80.0    | <100.0 | MPN/100 ml | IS (1622) 1981R2019 |  |

Note: NA-Not Applicable.

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

EQUIPMENT CAUGINATION DETAILS

| Sr. No.    | Experience vit Rigeroe      | Equipment ID    | Certificatio Na.      | Calibration Detail |                          |  |
|------------|-----------------------------|-----------------|-----------------------|--------------------|--------------------------|--|
|            |                             |                 |                       | Calibrated Bate    | Collaration Date<br>Date |  |
|            | pH Meter                    | SL/phi-Min-1/01 | AE3/456/CM106/730034  | 19/01/2024         | 14/01/2025               |  |
| 0307034576 | Analytical Weighing Balance | 56/45-2/07      | AC5/456/CM106/230040  | 10/03/2024         | 18/05/3825               |  |
| 1003-048   | COD Digestion Apparatus     | \$2/000-1/10    | AC5/456/CM106/230063  | 14/03/2024         | 15/03/2025               |  |
|            | 800 incubator               | 51/800/23       | AC\$/456/CM106/230045 | 19/03/2024         | 18/01/2015               |  |
|            | Dvest                       | SL/HAO I/03     | AC\$/456/CM106/230036 | 19/01/2024         | 18/08/2025               |  |
| 66050      | Water Rath                  | SI/WB/08        | ACS/456/CM306/230041  | 19/01/2026         | 18/09/2025               |  |
| 10242      | Autoblave                   | 16/AC/101       | AE\$/436/CM306/230004 | 18/03/2034         | 18_03/2025               |  |



---- End of Test Report-

The results relate to sample tested.

For Shreeji Aqua Treatment Pvt. Ltd.



Managing Director Authorized Signatory

Page 2 of 2

Punet: Plot No. 8-24. H Block, Lel Topi Hagat, Morewadi, MDC, Pimpri-Chinchwad, Maharashtra 411848.
 Lahr. 184,Streeji Terrace Apt. Plot No. 53, Puna Nagat, Childhall, Punet 411019
 Vadodans: Plot No.1, Shah Ind. Park-1, Vadodasa-Savil, Landepura. 391 375 Dist. Vadodas
 Castainer Care No.: +91525347365 Email: info@streejiagua.com
 Shreeji Agua /s adways subject to improvement for hetter castooner satisfaction, we welcome your feedback on pune. Tab@streejiagua.com

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## SHREEJI AQUA TREATMENT PVT. LTD.

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Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026. ULR No.: TC138772500012922F

| 3.4   |  | TEST RE   | PORT                     |   |                                | 26/02/2021                                 |  |  |
|---|--|---|--------------------------|---|--------------------------------|--|--|--|
| Samp  | le / Report No.  | SL/24-25/0  | 2/MFW/34                 | 50  |                                | 00.000 all all all all all all all all all |  |  |
| Name  | of Customer  | M/s. VEDAL  | TA UMITE                 | D ( MET   | COKE DIVISION I)               |  |  |  |
| Addre   | est of Customer  | (WASTE HEAT RECOVERY POWER PLANT I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,5URVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM GOV |                          |   |                                |  |  |  |
| Order / Reference As per TRF Dated 21/02/2025                             |  |   |                          |   |                                |  |  |  |
| Samp  | le declaration as provided by cust                                 | tomer :   |                          |   |                                |  |  |  |
| Nature of Sample River upstream sample (100 mtrs. upstream from discharge |  |   |                          |   | charge point)                  |  |  |  |
| Batch   | No.  | NA  |                          |   |                                |  |  |  |
| Sample Drawn by SAT   |  |   | SATPL Team on 21/02/2025 |   | Sample Received On             | 22/02/2025                                 |  |  |
| Start   | of Analysis  | 22/02/2025  |                          |   | End of Analysis                | 26/02/2025                                 |  |  |
| Samp  | le Container   | Plastic Can   |                          |   | Sample Quantity                | 02.ltt.                                    |  |  |
| Samp  | ling Procedure   | APHA 1060 (Part 8)  |                          |   |                                |  |  |  |
| Limits  | F.   | GSPCB Cons<br>A5 per Class  |                          | Contraction of the second s | 8/2305158/800015723            | 8.   |  |  |
| Chemi   | cal Testing  |   |                          |   |                                |  |  |  |
| Sr.No   | Parameters   | Results   | Limits                   | Unit  | Metho                          |  |  |  |
| 1   | рн   | 7.28  | 6.5-8.5                  |   | APHA, 24 <sup>th</sup> Edition |  |  |  |
| 2   | Dissolved Oxygen   | 7.A   | >4.0                     | mg/t,   | APHA, 24" Edition              | 2023/4500-88.0                             |  |  |
| 3   | Turbidity  | 7.8   | <30.0                    | NTU   | APHA 24th edition              | n: 2130-B: 2023                            |  |  |
| 4   | Bio Chemical Oxygen Demand<br>(BOD) @ 27 <sup>0</sup> C for 3 Days | 2.3   | <3.0                     | mg/L  | is 3625 (Part                  | (44):2023                                  |  |  |
| 5   | Temperature  | 27.9  |                          | 0   | 15 3025(Part 9): 2023          |  |  |  |

Note: NA-Not Applicable.

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



For Shroeji Aqua Treatment Pvt. Ltd.

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Managing Director Authorized Signatory

Page 1 of 2

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

Paner: Pict No. 3-24, H Block, Lai Topi Nagar, Morewordi, MIDC, Perspi-Cheschweit, Meharashtra (†1010). Late: H&A,Shvierji Terraca: Apt. Pict No. 13, Purna Nagar, Clekhail, Purez, 411019 Vailmilara: Pist No. 1, Shuh trid. Parki I, Vetodare-Gavil, Lemdapura, 201 775 Dist, Vedootca Castomer Care Ne.: +3110235247360 - Email: Infoabshruejioque.com - Webs www.shruejioque.com

Streef Aqua is always subject to improvement for botter sustainer suthfaction, we welcome your feedback on pune Jababbreejlaqua.com



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Recognized by Ministry of Environment, Parent & Climate Change (MotPCC), Gent. of India, New Delhi

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|  | TEST REPORT   |  |            |  |  |  |
|--|---|--|------------|--|--|--|
| Constraint and a second s |   |  | 26/02/20   |  |  |  |
| Sample / Report No.  | SL/24-25/02/MFW/345D  | SL/24-25/02/MFW/345D   |            |  |  |  |
| Name of Customer   | M/s. VEDANTA UMITED { MET                                   | M/s. VEDANTA UMITED ( MET COKE DIVISION I)   |            |  |  |  |
| Address of Customer  | SURVEY NO. 205,206,207, 31/7<br>74,5URVEY NO. 207 (PART) OF | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,5URVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA. |            |  |  |  |
| Order / Reference  | As per TRF Dated 21/02/2025                                 | As per TRF Dated 21/02/2025  |            |  |  |  |
| Sample declaration as provided by  | customer :  |  |            |  |  |  |
| Nature of Sample   | River upstream sample (100 )                                | ntrs. upstream from discha   | rge point) |  |  |  |
| Batch No.  | NA.   |  |            |  |  |  |
| Sample Drawn by  | SATPL Team on 21/02/2025                                    | Sample Received On   | 22/02/2025 |  |  |  |
| Start of Analysis  | 22/02/2025  | End of Analysis  | 26/02/2025 |  |  |  |
| Sample Container   | Sterile Plastic Bottle                                      | Sample Quantity  | 100 ml     |  |  |  |
| Sampling Procedure   | APHA 1060 (Part 8)  |  |            |  |  |  |
| Limits   | GSPCB Consent No. 12/2024 P<br>AS per Class 5W – II Waters  | GSPCB Consent No. 12/2024 PCB/2305158/R00015723<br>AS per Class 5W - II Waters   |            |  |  |  |
| ilological Testing   |   |  |            |  |  |  |

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| Sr.No | Parameters    | Results | Umits  | Unit       | Method              |
|-------|---------------|---------|--------|------------|---------------------|
| 1 6   | ecal coliform | 70.0    | <100.0 | MPN/100 ml | i5 (1622) 198182019 |

Note: NA-Not Applicable.

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

EQUIPMENT CAURILATION DETAILS

| Sr. No.               | Tipilpment Name             | Basisperarei 10 | Certificate No.       | Celibration Detail |                          |  |
|-----------------------|-----------------------------|-----------------|-----------------------|--------------------|--------------------------|--|
|                       |                             |                 |                       | Calibrated Date    | Calibration buil<br>Date |  |
| and the second second | pH Meter                    | SL/pH-Mtr-1/01  | AC5/456/CM306/230034  | 19/03/2024         | 18/03/2025               |  |
| 0307534576            | Analytical Weiglong Balance | 31,/AB-2/07     | ACS/455/CM106/230040  | 10/01/2024         | 14/03/2025               |  |
| 1032-048              | COO Digestion Apparatus     | 51/0001/16      | ACS/456/CM106/230043  | 19/03/2004         | 18/03/2025               |  |
|                       | BOD Incubator               | 51/800/23       | ACS/456/CM106/210045  | 19/03/2024         | 18/09/2025               |  |
| -                     | Oven                        | 51/1440-1/00    | AC\$/456/CM106/210516 | 19/01/2024         | 14/05/2025               |  |
| 64050                 | Water Bath                  | 5L/W8/08        | ACS/456/CM106/230041  | 19/01/2024         | \$5/01/2025              |  |
| 10343                 | Autodave                    | 5L/AC/136       | AC5/456/CM106/230004  | 11/03/2034         | 18/01/2025               |  |

For Shreeji Aqua Treatment Put. Ltd.



Managing Director Authorized Signatory

-End of Test Report-

Page 2 of 2

The results relate to sample tested.

Punne: Plot No. 5-24. H Book, Lei Topi Negar, Morewardi, MDC, Paropri-Chinchwad, Maharashtra 411018. Laku 164,Shrovji Terson Apt. Plot No. 53. Parna Negar, Chibbell, Pune: 411019 Vadedare: Plot No. 1, Shah Ind. Park-1, Vadedare-Sevil, Landapura. 291 775 Dist, Vadedare Conteneer Care No.: +919225247565 Email: Info@shvecjiagua.com Web: www.shreejiagua.com Shreeji Aguar is adways subject to improvement for better customer satisfaction, we welcome your feedback on pune. Seb@shreejiagua.com

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According by NARL as per ISO48C 17025-3017 Certified by 50 9001:2015.150 14001:2015 & 750 45001:2018 -

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Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NA85: Valid Up to 13/06/2026. ULR No.: TC138772500012921F

| 1     |  | TEST  | REPORT  |                          |                                 | 26/02/2025      |  |
|-------|--|---|---|--------------------------|---------------------------------|-----------------|--|
| Samo  | le / Report No.  | 51/24-25/   | 02/MFW/   | 345C                     |                                 |                 |  |
|       | of Customer  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | and the second se | Contract of solid states | COKE DIVISION I)                |                 |  |
| Addri | es of Customer   | (WASTE HEAT RECOVERY POWER PLANT I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM GOA |   |                          |                                 |                 |  |
| Orde  | / Reference  | As per TRF Dated 21/02/2025   |   |                          |                                 |                 |  |
| Samp  | le declaration as provided by cust                                 | aroer :   |   |                          |                                 |                 |  |
| Natu  | e of Sample  | River do  | River downstream sample (100 mtrs. downstream from discharge p  |                          |                                 |                 |  |
| Batch | No.  | NA  |   |                          |                                 |                 |  |
| 5amp  | le Drawn by  | SATPL Te  | am on 21/0  | 12/2025                  | 25 Sample Received On 22/02/202 |                 |  |
| Start | of Analysis  | 22/02/20  | 25  |                          | End of Analysis                 | 26/02/2025      |  |
| Semp  | le Container   | Plastic Ca  | in:   |                          | Sample Quantity                 | 02 lit.         |  |
| Same  | ling Procedure   | APHA 10   | 0 (Part 8)  |                          |                                 |                 |  |
| Limit | 5.   |   | nsent No. :<br>Iss SW – II )  |                          | CB/2305158/R0001572             | 3               |  |
| Chem  | cal Testing  |   |   |                          |                                 |                 |  |
| Sr.No | Parameters   | Results   | Limits  | Unit                     | Meth                            |                 |  |
| 1     | pH   | 7.19  | 6.5-8.5   | -                        | APHA, 24 <sup>th</sup> Edition  |                 |  |
| 2     | Dissolved Oxygon   | 7.8   | >4,0  | mg/t                     | APHA, 24 <sup>th</sup> Edition  | 2023/4500-B&C   |  |
| з     | Turbidity  | 7.1   | <30.0   | NTU                      | APHA 24th editic                | n: 2130-B: 2023 |  |
| 4     | Bio Chemical Oxygen Demand<br>(BOD) @ 27 <sup>4</sup> C for 3 Days | 2.8   | <3.0  | mg/L                     | iš 3025 (Pa                     | rt 44):2023     |  |
| 5     | Temperature  | 27.9  |   | °C                       | 6530258Pa                       | (19) 2023       |  |

Temperature Note: NA-Not Applicable

REMARK: Reference to above testing parameters, given River downstream sample is within the prescribed limit. Discloimer: 'Information is supplied by customers represented in Italic fant'



For Shreeji Agua Treatment Pvt. Ltd.

Managing Director

Authorized Signatory

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

Page 2 of 2:

Plot No. B-14.14 Block, Lal Topi Napar, Morrweld, MIDC, Pimpel-Chinchweat, Maharashtva 4(10)18. Parter 164 Shreeji Terrase Apt, Hot No. 53, Purne Nager, Childrali, Pane: 411019 Life. Vadeslama: Plot No.1, Urah Ind. Park 1, Vadeslava-SeVII, Landapura, 201 775 Dist. Vadesdar Customer Care Nus +010225247203 Email: Intsidstructiogoc.com Webs www.structiona.com

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## [| Shreeji ||



## SHREEJI AQUA TREATMENT PVT. LTD.

Accedited by 1448, in per 60400 (7028/2017 Certified by 150 5001:0113, ISO 14601:0015 & 050 45001:2018 Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Servit of India, New Delhi

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|                                   | TEST REPORT  |  | The late of the late of the |  |  |  |
|-----------------------------------|--|--|-----------------------------|--|--|--|
| Provide Alternative               | les de a matidam la antida actuaria                        |  | 26/02/202                   |  |  |  |
| Sample / Report No.               |  | 5L/24-25/02/MFW/345C   |                             |  |  |  |
| Name of Customer                  | M/s. VEDANTA LIMITED (MET                                  | COKE DIVISION ()   |                             |  |  |  |
| Address of Customer               | SURVEY NO. 205,206,207, 31/<br>74,SURVEY NO. 207 (PART) OF | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,5URVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA. |                             |  |  |  |
| Order / Reference                 | As per TRF Dated 21/02/2025                                | As per TRF Dated 21/02/2025  |                             |  |  |  |
| Sample declaration as provided by | customer :   |  |                             |  |  |  |
| Nature of Sample                  | Rèver downstream sample (1                                 | 00 mtrs. dawnstream fram i   | tischarge poin              |  |  |  |
| Batch No.                         | NA   |  |                             |  |  |  |
| Sample Drawn by                   | SATPL Team on 21/02/2025                                   | Sample Received On   | 22/02/2025                  |  |  |  |
| Start of Analysis                 | 22/02/2025   | End of Analysis  | 26/02/2025                  |  |  |  |
| Sample Container                  | Sterile Plastic Bottle                                     | Sample Quantity  | 100 ml                      |  |  |  |
| Sampling Procedure                | APHA 1060 (Part B)   | W W W  |                             |  |  |  |
| Limits                            | GSPCB Consent No. 12/2024-P<br>A5 per Class 5W II Waters   | GSPCB Consent No. 12/2024-PCB/2305158/R00015723<br>A5 per Class 5W – II Waters   |                             |  |  |  |
| Hological Testing                 |  |  |                             |  |  |  |

#### Biological Testing

| Sr.No  | Parameters        | Results | Umits        | Unit                   | Method              |
|--------|-------------------|---------|--------------|------------------------|---------------------|
| 1      | Fecal coliform    | 70.0    | <100.0       | MPN/100 ml             | IS (1672):198182019 |
| 43.000 | BUR BURN BURNHARD |         | 10010/00/00/ | - Colliger Distriction |                     |

Note: NA-Not Applicable.

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

EQUIPMENT CALIBRATION DETAILS

| 5r. No.                  | Egulprivert Name            | Equipreent ID | Certificate No.       | Calibration Detail |                         |  |
|--------------------------|-----------------------------|---------------|-----------------------|--------------------|-------------------------|--|
|                          |                             |               |                       | Calibrated Gate    | Calibration Due<br>Bate |  |
| the second second second | ppi Mater                   | 30./pi-1.601  | AC\$/45E/CM106/230034 | 19/03/7034         | 18/03/2023              |  |
| 0302534576               | Arubytical Weighing Balance | SL/AB-2/07    | ACS/456/CM106/230040  | 19/03/2024         | 18/03/2025              |  |
| 1072-048                 | DOD Digestion Apparatus     | 50/000-1/10   | AC\$/456/CM106/230043 | 19/01/20.14        | 18/08/2025              |  |
|                          | BOD Insubator               | \$1/800/33    | ACS/456/CM106/230045  | 19/00/2014         | 38/09/2025              |  |
|                          | Dvee                        | 111/HAG-1/01  | AC5/436/CM106/230036  | 10/01/2014         | 18/00/2021              |  |
| 59050                    | Water Bath                  | 5L/WB/08      | AC\$/455/CM106/210041 | 18/03/2004         | 18/03/2025              |  |
| 10342                    | Autoriave                   | \$UNC/125     | AC\$/456/CM106/230004 | 13/93/2024         | 18,03/2025              |  |



For Shreeji Aqua Treatment Pvt. Ltd.

SJ(M) Managing Director Authorized Signatory

-End of Test Report----

The results relate to sample tested.

Page 2 of 2

Pune: Plot No. 8-34. H Block, Lal Topi Nagar, Morewardi, MIDC, Pompel-Chinchward, Mahareshtro 41101.8. Lalu 184.Shreeji Terrace Apt. Plot No. 13, Puma Nagar, Childhall, Pune: 431019 Vadodane: Plot No.1, Shoh Ind. Park-1, Vadodaro-Sevil, Landapara. 201 775 Dist. Vadodra Customer Care Noz: +919325347365 Email: Info@shreejiaqua.com Shreeji Agun is always subject to improvement for better customer satisfaction, we welcame your feedback on pune. Jabit threejiaqua.com





Available Division and Solution Under Over Avail Available by NAIR, as per Sched C 17925(2017 Centered by ISO 1007(2015, SC) 14001(2015 & BC) 48001(2018)

Recognized by Ministry of Revisionment, Forest & Climate Change (MoEFCC), Gevt. of India, New Della

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Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NAUL Valid Up to 11/06/3026. ULR No.: TC138772500013585F

|                 |   | TEST RI  | PORT      |         |                                | 15/03/2025   |  |
|-----------------|---|--|-----------|---------|--------------------------------|--|--|
| Samp            | le / Report No.                                       | 51/24-25/0   | 3/MFW/44  | 4       |                                | and which the state  |  |
| Name            | of Customer   | M/s. VEDAL   | TA LIMITE | D ( MET | COKE DIVISION I)               |  |  |
| Addre           | ess of Customer                                       | (WASTE HEAT RECOVERY POWER PLANT - I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 i<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GC |           |         |                                |  |  |
| Ordei           | r / Reference   | As per TRP   | Dated 10/ | 03/2025 |                                |  |  |
| Samp            | le declaration as provided by cust                    | tomer :  |           |         |                                |  |  |
| Natu            | re of Sample  | River upstream sample (100 mtrs. upstream from discharge point)  |           |         |                                |  |  |
| Batch No. NA    |   |  |           | 15      |                                |  |  |
| Sample Drawn by |   | SATPL Team on 10/03/2025   |           | /2025   | Sample Received On             | 11/03/2025   |  |
| Start           | of Analysia   | 11/03/2025   |           |         | End of Analysis                | 15/03/2025   |  |
| Samp            | le Container  | Plastic Can  |           |         | Sample Quantity                | 02 Ht.   |  |
| Samp            | ling Procedure  | APHA 1060 (Part 6)   |           |         |                                |  |  |
| Limite          | 1   | GSPC8 Con<br>AS per Class  |           |         | B/2305158/R00015723            |  |  |
| Chemi           | ical Testing  | 1000-0000  |           |         |                                |  |  |
| Sr.No           | Parameters  | Results  | Umits     | Unit    | Metha                          | the second s |  |
| 1.1             | pH  | 7.27   | 6.5-8.5   |         | APHA, 24 <sup>th</sup> Edition |  |  |
| 2               | Dissolved Oxygen                                      | 7.4  | >4.0      | mg/1,   | APHA, 24 <sup>m</sup> Edition  | a state of the last fraction of the last   |  |
| 3               | Turbidity   | 8.1  | <30.0     | NTU     | APHA 24th edition              | 12130-8:2023   |  |
| 4               | Bio Chemical Oxygen Demand<br>(BOD) @ 27°C for 3 Days | 2.5  | <3.0      | mg/L    | IS 3025 (Part                  | 44):2023   |  |
| 5               | Temperature   | 27.9   |           | °C      | IS 3025(Part                   | 9): 2023   |  |

Note: NA-Not Applicable.

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



For Shreeji Aqua Treatment Pvt. Ltd.

SIM 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

Paren Plot No. 1-14, H. Bluch, Lal Topi Nagar, Mirreward, MiDC, Pergel-Chinchwad, Mahamahma 411018. Lale 164,5hmigi Tennon Apt. Plot No. 55, Parna Negar, Chikhall, Paren 411019 Vededaear Plot No. 1, Shish Ind. Park 1, Vedodara-Savk, Lamdapora. 201 775 Dim. Vedodae

Cantomer Care No.: +019225247365 Email: Info@doregliqua.com Webs www.shreepiqua.com

Shreeji Aqua is always subject to improvement for better customer subifaction, we reviewne your feedback on pune, laborshreejiaqua.com

## || Shreeji ||



# SHREEJI AQUA TREATMENT PVT. LTD.

Investigation Environmental Systems Dealer Dealer So

Accredited by NARL as per ISD/IEC 178253017

Certified by 50 9001:2015; 50 14001:2015 & 50 45001:2018

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

ENVIRONMENT . FOOD . ANIMAL FOOD & FEED . MICROBIOLOGY

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

|  | TEST REPORT  |                            |            |  |  |  |
|--|--|----------------------------|------------|--|--|--|
|  |  |                            | 15/03/202  |  |  |  |
| Sample / Report No.                        | 5L/24-25/03/MFW/44J  |                            |            |  |  |  |
| Name of Customer                           | M/s. VEDANTA LIMITED ( MET   | COKE DIVISION I)           |            |  |  |  |
| Address of Customer                        | (WASTE HEAT RECOVERY POWER PLANT I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM GOA. |                            |            |  |  |  |
| Order / Reference                          | As per TRF Dated 10/03/2025  |                            |            |  |  |  |
| Sample declaration as provided by customer |  |                            |            |  |  |  |
| Nature of Sample                           | River upstream sample (100 m   | trs. upstream from dischar | ge paint]  |  |  |  |
| Batch No.                                  | NA   |                            |            |  |  |  |
| Sample Drawn by                            | SATPL Team on 10/03/2025   | Sample Received On         | 11/03/2025 |  |  |  |
| Start of Analysis                          | 11/03/2025   | End of Analysis            | 15/03/2025 |  |  |  |
| Sample Container                           | Sterile Plastic Bottle   | Sample Quantity            | 100 ml     |  |  |  |
|  |  |                            |            |  |  |  |

| Sampling Procedure | APHA 1060 (Part B)                              |
|--------------------|---|
| Limits             | GSPCB Consent No. 12/2024-PC8/2305158/R00015723 |
|                    | AS per Class SW – II Waters                     |

#### Biological Testing

| r.No             | Parameters | Results | Limits | Unit       | Method              |
|------------------|------------|---------|--------|------------|---------------------|
| 1 Fecal coliforn | m -        | 90.0    | <100.0 | MPN/100 ml | (5 (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 fant' EQUIPMENT CAUBRATION DETAILS

| 5r. No.    |                             |                     | Certificate No.       | Calibration Detail      |            |
|------------|-----------------------------|---------------------|-----------------------|-------------------------|------------|
|            |                             | Sector reserves and | Californited Date     | Calibration Due<br>Date |            |
|            | pH Meter                    | 38/pH-M0-1/01       | ACS/456/CMI06/230034  | 18/09/2024              | 18/09/2025 |
| 0307534576 | Analytical Weighing Balance | SL/AB-2/07          | AC\$/456/DM106/230040 | 15/03/2014              | 16/03/2025 |
| 1022-048   | COD Digestion Apparatus     | SL/COD-I/10         | AC\$/456/CM106/230043 | 18/03/2034              | 18/03/2025 |
|            | BOD Incubator               | 34/300/23           | ACS/45E/CM30E/230045  | 19/03/2024              | 18/09/2025 |
|            | Oven                        | SL/HAD-1/03         | AC\$/456/CM106/230036 | 19/00/2024              | 18/03/2025 |
| 6-605-0    | Water Bath                  | \$4,7W8,708         | AC\$/456/CM106/230041 | 15/06/2024              | 15/03/2025 |
| 10242      | Autoclave                   | 54/04C/13%          | AC\$/455/CM106/230004 | 19/03/2034              | 18/03/3035 |

For Shreeji Aqua Treatment PvC Ltd.



-----End of Test Report-The results relate to sample tested. Managing Director Authorized Signatory

Page 2 of 2

Pane Pist No. 8-24, 8180ck. La Topi Napar, Misrowadi, MOC, Pimpri-Orinchwad, Maharashtra 413018. Labi 184,5hoogi Terrack Apt, Plot No. 53, Pierra Negar, Chihhai, Pune 411019 Vadadara: Pist No.5, Shah Ind, Park-1, Vadodara-Savli, Landapian, 391 775 Dist, Vadodra Castemer Care Na.: +919225247365 Email: Inforsystemploque.com Web: www.shreeploque.com Shreeplocul in aflemys Juble. : 10 improvement for lottlar custamer activitation, we welcome your feedbook on pune, Jabijishreeploque.com

## [[Shreeji]]



# SHREEJI AQUA TREATMENT PVT. LTD.

Acceptible Dividiourmental Solutions Under One Accel Acceptible by NABL is per 190/851 (2015)2017 Centified by NGP 9981(2015), 303 (4001/2015)8, 663 45381(2018)

Recognized by Ministry of Emissionment, Poresi & Climate Change (NetEFCC), Govt, of India, New Dalhi

ENVIRONMENT \* FOOD \* ANIMAL FOOD & FEED \* MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt, of India & NABL Valid Up to 13/06/2028. ULR No.: TC138772500013584F

|                                      |  | TEST   | REPORT                       |  |                                | 15/03/2025   |  |
|--------------------------------------|--|--|------------------------------|--|--------------------------------|--|--|
| Simo                                 | le / Report No.  | 51/24-25/  | 03/MFW/4                     | 41   |                                | and read marine  |  |
| Name of Customer M/s. VEDANTA LIMITE |  |  |                              | and the second sec | COKE DIVISION I)               |  |  |
| Addre                                | iss of Customer  | (WASTE HEAT RECOVERY POWER PLANT - I]<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 47/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM - GOA. |                              |  |                                |  |  |
| Order                                | / Reference  | As per TF  | F Dated 10                   | /03/2025   | 11                             |  |  |
| Samp                                 | le declaration as provided by custo                                | mer:   |                              |  |                                |  |  |
| Nature of Sample                     |  | River do   | wastream                     | iomple (1)   | 90 mtrs. downstream fr         | am discharge poin  |  |
| Batch                                | No.  | NA   |                              |  |                                |  |  |
| Samp                                 | le Drawn by  | SATPL Team on 10/03/2025   |                              | Sample Received On   | 11/03/2025                     |  |  |
| Start of Analysis                    |  | 11/03/2025   |                              | End of Analysis  | 15/03/2025                     |  |  |
| Sample Container                     |  | Plastic Can  |                              | Sample Quantity  | 02.8t.                         |  |  |
| Sampling Procedure                   |  | APHA 1060 (Part B)   |                              |  |                                |  |  |
| Limita                               |  | and the second   | nsent No. 1<br>iss 5W – II V |  | CB/2305158/R0001572            |  |  |
| Chemi                                | ical Testing   | in the second  | Nersen on                    | 2000 - S   |                                |  |  |
| Sr.No                                | Paramoters   | Results  | Limits                       | Unit   | Meth                           | the second s |  |
| 1                                    | рН   | 7,36   | 6.5-8.5                      | -  | APHA, 24 <sup>th</sup> Edition |  |  |
| 2                                    | Dissolved Oxygen   | 7.8  | >4.0                         | mg/L   | APHA, 24 <sup>th</sup> Edition | the second s |  |
| 3                                    | Turbidity  | 6.9  | <30.0                        | NTU  | APHA 24th editio               | n: 2130-8: 2023  |  |
| 4                                    | Bio Chemical Oxygen Demand<br>(BOD) @ 27 <sup>8</sup> C for 3 Days | 2.3  | <3.0                         | mg/L   | (\$ 3025 (Pa                   | 1 44):2023   |  |
| 5                                    | Temperature  | 27.9   |                              | °C   | 15 3025(Par                    | 1 9): 2023   |  |

Note: NA-Not Applicable.

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



For Shreeji Aqua Treatment Pvt. Ltd.

SIM Managing Director Authorized Signatory

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

Page 1 of 2

Paren – Not No. 9-24. H Diock, Lei Topi Nagar, Mórzwadi, MDC, Propri Chinchwari, Mahazahma 4110118. Later – Yé4,Shreeji Ternacz Apt, Pon No. 53, Parna Nagar, Chikhall, Pares 411019 Vadedara: Plut No. 1, Shah Ind. Park 1, Vadodara: Savil, Landapura. 391 775 Dici, Vadodra Canterner Care No.: +011225347313 – Emails inflagulum/jaquacion – Webs www.chrenjiegua.com Shreeji Agust is always subject to Improvement for better customer satifafection, we welcome your feedback on pune. Jabdishreejiagua.com

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## Shreeji



# SHREEJI AQUA TREATMENT PVT. LTD.

Accessional by WARL as per ISCARC 17025 2017 Centified by ISC WORL2016, ISO 14001-2011 & ISC-83001-2018

Recognized by Ministry of Swiesennert, Forest & Climate Change (HoEFCC), Govi, of India, New Dethi

ENVIRONMENT = FOOD = ANIMAL FOOD & FEED = MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 11/06/2026.

|  | TEST REPORT   |   | 100 C 100 C 100 C |  |
|--|---|---|-------------------|--|
|  | 2019-060179C02010-  |   | 15/03/202         |  |
| Sample / Report No.                        | SL/24-25/03/MFW/441   |   |                   |  |
| Name of Customer                           | M/s. VEDANTA UMITED (MET C  | M/s. VEDANTA UMITED (MET COKE DIVISION I) |                   |  |
| Address of Customer                        | (WASTE HEAT RECOVERY POWER PLANT I)<br>SURVEY NO. 205,206,207, 31/1, PART OF 177,44,43/1,43/2, & 42/1 &<br>74,SURVEY NO. 207 (PART) OF NAVELIM VILLAGE AND<br>SURVEY NO. 43/1, 44/4 & 44/5 OF AMONA VILLAGE, BICHOLIM GOA |   |                   |  |
| Order / Reference                          | As per TRF Dated 10/03/2025   |   |                   |  |
| Sample declaration as provided by customer | 1   |   |                   |  |
| Nature of Sample                           | River downstream sample (100 mtrs. downstream from discharge point)   |   |                   |  |
| Batch No.                                  | NA  | Acres and the second                      | -                 |  |
| Sample Drawn by                            | 5ATPL Team on 10/03/2025  | Sample Received On                        | 11/03/2025        |  |
| Start of Analysis                          | 11/03/2025  | End of Analysis                           | 15/03/2025        |  |
| Sample Container                           | Sterile Plastic Bottle  | Sample Quantity                           | 100 ml            |  |
| Sampling Procedure                         | APHA 1060 (Part B)  |   |                   |  |
| Limits                                     | GSPC8 Consent No. 12/2024-PC8/2305158/R00015723<br>AS per Class SW - II Waters  |   |                   |  |
| Hological Testing                          |   |   |                   |  |
|  |   |   |                   |  |

| Method           | Methor         | Unit       | Limits | Results | rameters |                  | Sr.No         |
|------------------|----------------|------------|--------|---------|----------|------------------|---------------|
| (1622):1981R2019 | (\$ (1622):198 | MPN/100 ml | <100.0 | 90.0    |          | Fecal coliform   | 1             |
| ļ                | 15             | MPN/100 ml | <100.0 | 90.0    |          | NA Net Applicabl | in the second |

Note: NA-Not Applicable.

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

## EQUIPMENT CALIBRATION DETAILS

| Se. 199.   | r, No. Equipment Name Equipment ID | Equipment ID   | Certificate Pig.      | Celteration Detail      |            |
|------------|------------------------------------|----------------|-----------------------|-------------------------|------------|
|            |                                    |                | Calibrated Date       | Calibration Due<br>Date |            |
| ······     | pH Meter                           | SL/pH-Mtr-L/01 | AC5/456/CM106/230834  | 19/03/2024              | 18/03/2025 |
| 0307534576 | Analytical Weighing Balance        | \$L/AB-2/07    | AC\$/456/CM105/230040 | 19/08/2024              | 18/03/2025 |
| 1022-048   | COO Digestion Apparatus            | SL/COD-8/10    | ACS/456/CM106/230043  | 19/03/2014              | 18/03/2025 |
|            | BOD Incubator                      | \$1/800/23     | AC5/456/CM106/230045  | 19/03/2024              | 18/03/2025 |
|            | Oven                               | \$L/HMO-1203   | ACS/456/CM106/230036  | 19/03/2024              | 18/03/2025 |
| 66050      | . Water Bath                       | \$L/W8/06      | AC\$/456/CM106/230041 | 19/03/2024              | 18/03/2025 |
| 10242      | Autoclave                          | SU/AC/126      | ACS/456/CM106/230004  | 19/03/2024              | 18/03/2025 |



For Shreeji Agua Treatment Pvt. Ltd.

SIM Managing Director Authorized Signatory

-End of Test Report-

The results relate to sample tested.

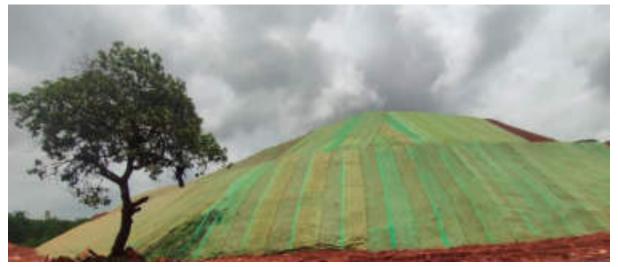
Page 2 of 2

Pener Plot No. 3-34, H Block, Lal Topi Nagas, Morenead, MDC, Pinger-Chinchwad, Maharashma 4110(18, Lalu: 164,Shreeji Tomace Apt, Plot No. 53, Purna Nagas, Childali, Pune 411010 Vaeledani: Plot No.1, Shah Ind. Park-1, Vadodese Savil, Lamplopura. 391 775 Dist. Vadodia Contomer Carle Nac. «0(102):S347365 Email: indisputvergiaquectori. Wells server, shreegiaquectori. Shreegi - use in affecting subject to Samprovement fair institument actisfaction, we externe your feedback on pune. Jabetshreegiaque.com

# <u>Annexure XI</u> <u>Dumps covered with geotextile</u>

# Dumps covered with geotextile and desilted settling ponds drains







# Dumps covered with geotextile and desilted settling ponds drains



# Dumps covered with geotextile and desilted settling ponds drains

Filter beds



# <u>Annexure XII</u> <u>Analyzer Calibration reports</u>



| Customer      | M/S Vedanta Ltd.                           |
|---------------|--|
| Report Date   | 31/12/2024                                 |
| Stack Name    | Waste heat recovery power plant 1_Boiler 1 |
| Sampling Time | 5pm to 6pm                                 |
| Plant Load    | 52.9% ( 30MW)                              |
| Sampling Date | 27-12-2024                                 |

| Instrument  | Dust Monitor |
|-------------|--------------|
| Model       | DR 290       |
| Serial Num. | 1306061      |

Optical Density from dust monitor during sampling.

| Optical Density (Average) | 0.085 |
|---------------------------|-------|
|---------------------------|-------|

| Sampling result in mg/m3 | 14.86       |
|--------------------------|-------------|
| Avg. OD                  | 0.085       |
| Calculation              | 14.86/0.085 |
| Dust Coefficient         | 172         |



Checked and confirmed by:

Swapnil Shirodkar



| Customer      | M/S Vedanta Ltd.                           |
|---------------|--|
| Report Date   | 31/12/2024                                 |
| Stack Name    | Waste heat recovery power plant 1_Boiler 2 |
| Sampling Time | 3pm to 4pm                                 |
| Plant Load    | 52.6% ( 30MW)                              |
| Sampling Date | 27-12-2024                                 |

| Instrument  | Dust Monitor |
|-------------|--------------|
| Model       | DR 290       |
| Serial Num. | 1306065      |

Optical Density from dust monitor during sampling.

| Optical Density (Average) | 0.040 |
|---------------------------|-------|
|---------------------------|-------|

| Sampling result in mg/m3 | 8.99       |
|--------------------------|------------|
| Avg. OD                  | 0.040      |
| Calculation              | 8.99/0.040 |
| Dust Coefficient         | 224        |



Checked and confirmed by: Swapnil Shirodkar Horiba India Limited



| Customer      | M/S Vedanta Ltd.                           |
|---------------|--|
| Report Date   | 30/12/2024                                 |
| Stack Name    | Waste heat recovery power plant 2_Boiler 1 |
| Sampling Time | 12:30pm to 1:30am                          |
| Plant Load    | 71.7% (35 MW)                              |
| Sampling Date | 26-12-2024                                 |

| Instrument  | Dust Monitor |
|-------------|--------------|
| Model       | DR 290       |
| Serial Num. | 1306068      |

Optical Density from dust monitor during sampling.

| Optical Density (Average) 0.0920 |
|----------------------------------|
|----------------------------------|

| Sampling result in mg/m3 | 5.71        |
|--------------------------|-------------|
| Avg. OD                  | 0.0920      |
| Calculation              | 5.71/0.0920 |
| Dust Coefficient         | 62.06       |



Checked and confirmed by:

Swapnil Shirodkar



| Customer      | M/S Vedanta Ltd.                           |
|---------------|--|
| Report Date   | 30/12/2024                                 |
| Stack Name    | Waste heat recovery power plant 2_Boiler 2 |
| Sampling Time | 3pm to 4pm                                 |
| Plant Load    | 69.2% (35 MW )                             |
| Sampling Date | 26-12-2024                                 |

| Instrument  | Dust Monitor |
|-------------|--------------|
| Model       | DR 290       |
| Serial Num. | 1306060      |

Optical Density from dust monitor during sampling.

| Optical Density (Average) 0.032 |
|---------------------------------|
|---------------------------------|

| Sampling result in mg/m3 | 2.78       |
|--------------------------|------------|
| Avg. OD                  | 0.032      |
| Calculation              | 2.78/0.032 |
| Dust Coefficient         | 86.875     |



Checked and confirmed by:

Swapnil Shirodkar



| Customer      | M/S Vedanta Ltd.         |
|---------------|--------------------------|
| Report Date   | 27/12/2024               |
| Stack Name    | Pig Iron division _HBS-1 |
| Sampling Time | 11:30am to 12:30 pm      |
| Plant Load    | 98%                      |
| Sampling Date | 31/12/2024               |

| Instrument  | Dust Monitor |
|-------------|--------------|
| Model       | DR 290       |
| Serial Num. | 1306067      |

Optical Density from dust monitor during sampling.

| Optical Density (Average) 0.0102 |  |
|----------------------------------|--|
|----------------------------------|--|

| Sampling result in mg/m3 | 10.2        |
|--------------------------|-------------|
| Avg. OD                  | 0.0102      |
| Calculation              | 10.2/0.0102 |
| Dust Coefficient         | 982         |



Checked and confirmed by:

Swapnil Shirodkar



| Customer      | M/S Vedanta Ltd.           |
|---------------|----------------------------|
| Report Date   | 03/1/2025                  |
| Stack Name    | Pig Iron division _BF3 HBS |
| Sampling Time | 12pm to 1pm                |
| Plant Load    | 100%                       |
| Sampling Date | 30-12-2024                 |

| Instrument  | Dust Monitor |
|-------------|--------------|
| Model       | DR 290       |
| Serial Num. | 1306064      |

Optical Density from dust monitor during sampling.

| Optical Density (Average) 0.006 |  |
|---------------------------------|--|
|---------------------------------|--|

| Sampling result in mg/m3 | 5.18        |
|--------------------------|-------------|
| Avg. OD                  | 0.006       |
| Calculation              | 5.18 /0.006 |
| Dust Coefficient         | 863.33      |



Checked and confirmed by:

Swapnil Shirodkar



| Customer      | M/S Vedanta Ltd.           |
|---------------|----------------------------|
| Date          | 30/12/2024                 |
| Stack Name    | Sinter Plant _Tail End ESP |
| Sampling Time | 3pm to 4pm                 |
| Plant Load    | 100%                       |
| Sampling Date | 3/01/2025                  |

| Instrument  | Dust Monitor |
|-------------|--------------|
| Model       | DR 290       |
| Serial Num. | 1306062      |

Optical Density from dust monitor during sampling.

| Optical Density (Average) 0.0780 |
|----------------------------------|
|----------------------------------|

| Sampling result in mg/m3 | 24.30       |
|--------------------------|-------------|
| Avg. OD                  | 0.0780      |
| Calculation              | 24.30/0.078 |
| Dust Coefficient         | 331         |



Checked and confirmed by:

Swapnil Shirodkar



| Customer      | M/S Vedanta Ltd.           |
|---------------|----------------------------|
| Date          | 03/01/2025                 |
| Stack Name    | Sinter Plant _Head End ESP |
| Sampling Time | 3:10PM to 4:10PM           |
| Plant Load    | 100%                       |
| Sampling Date | 30/12/2024                 |

| Instrument  | Dust Monitor |
|-------------|--------------|
| Model       | DR 290       |
| Serial Num. | 1282418      |

Optical Density from dust monitor during sampling.

| Optical Density (Average) 0.562 |
|---------------------------------|
|---------------------------------|

| Sampling result in mg/m3 | 28.03       |
|--------------------------|-------------|
| Avg. OD                  | 0.562       |
| Calculation              | 28.03/0.562 |
| Dust Coefficient         | 49.87       |



Checked and confirmed by:

Swapnil Shirodkar

# <u>Annexure XIII</u> <u>Fugitive dust emission reports</u>



Accredited by NABL is per ISOREC 17525-2017

Certified by (50 9001-2015, (50 14001-2015 & 60 45007-2018)

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

|   | ST REPORT                      |
|---|--------------------------------|
| Lab Inward No. : SL/24-25/11/M5T/144G   | Date of Sampling : 26/11/2024  |
| ent Name<br>/s. VEDANTA LIMITED ( MET COKE DIVISION-I)<br>VASTE HEAT RECOVERY POWER PLANT – I)  | Start of analysis : 26/11/2024 |
|   | End of Analysis : 30/11/2024   |
| SURVEY NO. 205,206,207, 31/1,33 PART OF   | Report Date : 30/11/2024       |
| 177,44,43/1,43/2, & 42/1 &74, SURVEY NO. 207 (PART) OF<br>NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF<br>AMONA VILLAGE, BICHOLIM – GOA. |                                |
| Order / Reference: As per TRF Dated 12/11/2024  |                                |
| Monitoring For : PUGITIVE EMISSION MONITORING   |                                |
| Sampling Procedure : As per respective NIOSH/IS Guide   | lines                          |
| Limits : As per The Environmental (Protection) Rules1986-   | Third Amendment),2012.         |
| Sampling Location : MCD New Coal Shed & Coke Yard   | i                              |
| Lateral Distance : 3 meter  | Duration : 08 Hrs.             |
| Receptor Height : 1 meter   | Time : 10:45 am to 06:45 pm    |

| 1.7.16 | de la | in an | 2.25 |     | 1.00  |
|--------|-------|-------|------|-----|-------|
|        | нe    | 136   | ы    | 1.1 | Che . |
|        |       |       |      |     |       |

| Sr.<br>No. | Parameters                            | Results | Limits  | Unit              | Reference Method        |
|------------|---------------------------------------|---------|---------|-------------------|-------------------------|
| 1          | Sulphur Dioxide (SO <sub>2</sub> )    | 32.12   | <200.0  | ug/m*             | 15.5182(Part-2);R2022   |
| 2          | Oxides of Nitrogen (NO <sub>1</sub> ) | 30.48   | <150.0  | ug/ml             | 6 5183(Part-6),82022    |
| 3          | PMIN                                  | 521,14  | <2000.0 | Hg/m²             | 15 5582(Part-23)/R 2022 |
| 4          | PDALS                                 | 74.24   | <300.0  | ug/m <sup>3</sup> | 15 5182(Part-24)(2019   |

Note: NA-Not Applicable.

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

Discloimer: 'Information is supplied by customers represented in italic fant'

EQUIPMENT CAUBRATION DITAILS

|                   | and the second second second second |                    |                     | Calibration Detail |                         |  |
|-------------------|-------------------------------------|--------------------|---------------------|--------------------|-------------------------|--|
| Sir. No.          | EquipmentMarve                      | Equipment ID       | CertificateMo.      | Collivated<br>Data | Calibration<br>Due Date |  |
| 1175B11B-DT-01023 | Respirable Dant. Sample             | SATIN/MA/NOS/DI    | 0793211             | 16.03.2024         | 15.03.2925              |  |
| 1211 DTC 2033     | Gabeuuse Atlachment Sangle          | SATPL/AIB/RD5/01-A | FF03211             | 16.03.2024         | 15.03.2025              |  |
| 556277            | Digital Electronic Balance          | \$1,/\$M6/43       | ACE/456/CM39/230972 | 19.03.2024         | 38.03.2925              |  |
| NA.               | Digital Spectraphotometer Medel     | SL/07/34           |                     | Inhouse)           | Calibration             |  |

Review By,

Br. Analyst



For Shreeji Agus Treatment Pvt.Ltd.



-End of Test Report----

#### Page 1 of 1

The results relate to sample tested.

Pune: Plot No. 8-24, Hilliock, La Topi Negar, Morewedl, MDC, Pinpti-Chinchwed, Mahazashoo 411038. Labi: 164,5hreej Terrace Apt. Plot No. 53, Purse Negar, Chikhell, Purse; 411019 Vedeslame: Plot No. 1, Sheh Ind. Park-1, Vedeslare-Sevil, Landapore, 391 775 Dist, Vedeslav

Customer Care Neur + 919225247365 Email: tofoi/stireejlägus.com Web: www.utreejlagus.com

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## || Shreejji ||



# SHREEJI AQUA TREATMENT PVT. LTD.

According by NABL as per (SO/IEC 17025-2017 Center by SO 9001-2015, ISO 34801-2015 & SCI 45001-2018 Recognized by Ministry of Environment, Forwart & Climate Change (MatFCC), Gove, of India, New Delta • ENVIRONMENT • FOOD • ANIMAL FOOD & FEED • MICROBIOLOGY

Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABI, Valle Up to 13/06/3026.

| TE  | ST REPORT   |  |  |
|---|---|--|--|
| Lab Inward No. : SL/24-25/11/MST/144H   | Date of Sampling : 26/11/2024                       |  |  |
| Client Name:  | Start of analysis : 26/11/2024                      |  |  |
| M/s. VEDANTA LIMITED ( PIG IRON PLANT)<br>SURVEY NO. 30 (PART)41,42/1,27 (PART) AMONA, P.O.<br>MARCELA, BICHOLIM – GOA. | End of Analysis : 30/11/2024                        |  |  |
|   | Report Date : 30/11/2024                            |  |  |
| MANCELA, BICHOUM - GOA.   | Sample Drawn By : SATPL Representative on 26/11/202 |  |  |
| Order / Reference: As per TRF Dated 12/11/2024  |   |  |  |
| Monitoring For : FUGITIVE EMISSION MONITORING   |   |  |  |
| Sampling Procedure : As per respective NIOSH/IS Guidel  | ines  |  |  |
| Limits : As per The Environmental (Protection) Rules1986-[  | Third Amendment), 2012.                             |  |  |
| Sampling Location : Pig Iron Yard   |   |  |  |
| Lateral Distance : 3 meter  | Duration 108 Hrs.                                   |  |  |
| Receptor Height : 1 meter   | Time : 10:50 am to 05:50 pm                         |  |  |

| R | 65 | UI | J | 5 |
|---|----|----|---|---|
|   |    |    |   |   |

| Sr.<br>No. | Parameters                            | Results | Limits  | Unit               | Reference Method        |
|------------|---------------------------------------|---------|---------|--------------------|-------------------------|
| 1          | Sulphur Dioxide (SO <sub>2</sub> )    | 34.68   | <200.0  | ug/m <sup>a</sup>  | G \$182(Part-2);#2022   |
| 2          | Oxides of Nitrogen (NO <sub>1</sub> ) | 38.43   | <150.0  | ug/mi*             | (5 5182(Part 6):82022   |
| 3          | PMIE                                  | 445.65  | <2000.0 | jag/m <sup>2</sup> | 15 5182(Part-23);R 2022 |
| 4          | PM12.3                                | 72.68   | <300.0  | ug/m <sup>2</sup>  | IS 5182(Part-24),2019   |

Note: NA- Not Applicable.

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

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|                    |                                 |                    | Manager and the second s | Calibrati          | ion Detail              |  |
|--------------------|---------------------------------|--------------------|---|--------------------|-------------------------|--|
| Sr. No.            | EquipmentNome                   | Equépment (D       | CertificateNe.  | Calibrated<br>Date | Calibration<br>Due Date |  |
| 117581 18-07-01023 | Respirable Diat Sample          | SATPL/ARCROS/DI    | ET03211   | 16.03.2324         | 15.65.1025              |  |
| 1211-07C-2013      | Generouse Attachment Sample     | SATEL/ABJ/RES/01-A | FP08212   | 16.03.2028         | 15.63.3023              |  |
| 556277             | Dignal Hertronic Balance        | SL/SM8/41          | ACS/456/CH30/230072   | 19.03.2024         | 18.03.2925              |  |
| 84                 | Digital Spectraphotometer Medel | SL/11V/34          |   | Inhiese C          | Allevities              |  |

Review By,

Sr: Analysit



#### For Shreeji Agua Treatment Pvt.Ltd.

Quality Manager Authorized Signatory

The results relate to sample tested.

End of Test Report----

Page 1 of 1

Pener Pior No. II-14. H Bock, Lai Topi Nagar, Morewald, MOC, Pinpri-Chinchwad, Maharashma-411018, Late: 154,Shreeji Teriace Apt. Pior No. 53, Purna Nagar, Chikhali, Pune, 411019

Vadedarar Plot No.1, Shah Ind. Park 1, Vadodara-Seoli, Landapura, 201 775 Shit, Vadodra

Contomer Care Neur + 91/0225247365 Emails infogstweepingue.com Wate www.ubreepingue.com

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|  | resource and a successful transmission pay to  |   |                      |                              | NABL Valid Up to 13/06/2025 |
|--|--|---|----------------------|------------------------------|-----------------------------|
| Larke Late                             |  | the second se | ST REPOR             |                              |                             |
| 101111                                 | ward No. : 51/24-25/11/M5T/  | 1441  | Date                 | of Sampling : 26/11/         | 2024                        |
| Client N                               | the second s |   | Start                | of analysis : 26/11/2        | 024                         |
| M/s. VEDANTA LIMITED ( PIG IRON PLANT) |  | End o   | f Analysis : 30/11/2 | 024                          |                             |
|  | SURVEY NO. 30 (PART)41,42/1,27 (PART) AMONA, P.O.  |   | Repo                 | t Date : 30/11/2024          |                             |
| MARCELA, BICHOUM GOA.                  |  | Samp  | le Drawn By : SATPL  | Representative on 26/11/2024 |                             |
| Order ,                                | / Reference: As per TRF Dated  | 12/11/2024  |                      |                              |                             |
| Monite                                 | oring For : FUGITIVE EMISSION N  | ONITORING   |                      |                              |                             |
| Sampli                                 | ing Procedure : As per respec  | tive NIOSH/IS Guide   | lines                |                              |                             |
| Limits                                 | : As per The Environmental (Pri  | stection) Rules1986-(   | Third Amen           | dment),2012.                 |                             |
| Sampli                                 | ing Location : Looning & Union   | fing at Jetty   |                      |                              |                             |
| Lateral                                | Distance : 3 meter   |   |                      | Duration : 08 Hrs.           |                             |
| Recept                                 | tor Height : 1 meter   |   |                      | Time : 10:55 am to           | 06:55 pm                    |
|  |  | R   | ESULTS               |                              |                             |
| Sr.<br>No.                             | Parameters   | Results   | Limits               | Unit                         | Reference Method            |
| 1                                      | Sulphur Dioxide (SO2)  | 38.65   | +200.0               | HUL/10 <sup>1</sup>          | (5:5182(Part-2);R2022       |
| 2                                      | Oxides of Nibrogen (NO <sub>1</sub> )  | 40.32   | <150.0               | µg/m³                        | IS \$182(Part-6);R2022      |
| 3                                      | PMIE   | 547.26  | <2000/               | ) sig/m"                     | IS \$182(Part-23);R 2022    |
| .4                                     | PM <sub>23</sub>   | 69.24   | (300.0               | ug/mit                       | 15.5182(Part-24);2019       |
|  |  |   |                      |                              |                             |

4 PM23 Note: NA-Not Applicable

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

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| COUPMENT | CALIBRATION | DETAILS |
|----------|-------------|---------|

|                    | A Creation and a second second second | and the second | Construction of the second   | Calibration Datail |                         |  |
|--------------------|---------------------------------------|--|--|--------------------|-------------------------|--|
| Sec. Mal.          | EquipmentName                         | Equipment ID   | CertificateNo.   | Calibrated<br>Date | Calibration<br>Due Date |  |
| 117581118-07-01025 | Respirable Dust Sample                | SATPL/AIR/RDS/DL   | 8793211  | 36/03/2024         | 15.63.2025              |  |
| 1211-010-2013      | Casecuse Attactment Sample            | SATPL/AUL/RDS/UL-A   | FP05212  | 16.03.2024         | 35.832025               |  |
| 1515277            | D'agital Electronic Balance           | SL/SMB/41  | AC5/456/CM30/230072  | 19.93.2024         | 38.60.2025              |  |
| NA                 | Digital Spectrophiltometer Model      | SL/UV/34   | The second secon | Influence C        | distantion              |  |

Review By,

Sr. Analyst



#### For Shreeji Agua Treatment Pvt.Ltd.



End of Test Report-

Page 1 of 1

The results relate to sample tested.

Parier Plot No. 8-34, H Block, Lal Topi Nager, Morweed, MEX, Pempri-Chrochwed, Maharashtra 411018. Lala: 164,Shnenji Ternace Apr. Plot No. 53, Purne Negar, Chikheli, Pure: 411019 Vadoslara: Plot No. 1, Shah Ind. Parle L Vadodica-Sevil, Lamdapana. 391 775 Dist, Vadodra Casterner Gare No.: e919225347303 Bmailt Infrainherejjespacore. Web: www.uhrpejlagua.com

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| Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & MABI, Velid Up to 13/06/2026. |
|---|
|---|

| TEST   | REPORT   |
|--|--|
| Lab Inward No. : 5L/24-25/11/M5T/1441  | Date of Sampling : 26/11/2024                        |
| Client Name:   | Start of analysis : 26/11/2024                       |
| M/s. VEDANTA LIMITED (PIG IRON EXPANSION PLANT)<br>SURVEY NO. 61/1,61/3,62,63/0,120/1,120/2,177<br>(PART),205,205,207, VILLAGE NAVELIM, BICHOLIM - GOA | End of Analysis : 30/11/2024                         |
|  | Report Date : 30/11/2024                             |
| (PART), 005, 206, 207, VILLAGE NAVELIM, BICHOLIM - GOA   | Sample Drawn By : SATPL Representative on 26/11/2024 |
| Order / Reference: As per TRF Dated 12/11/2024   |  |
| Monitoring For : FUGITIVE EMISSION MONITORING  |  |
| Sampling Procedure : As per respective NIOSH/IS Guideline  | iš,  |
| Limits : As per The Environmental (Protection) Rules1986-(Thi  | rd Amendment),2012.                                  |
| Sampling Location : Internal Transportation Road   |  |
| Lateral Distance : 3 meter   | Duration : 08 Hrs.                                   |
| Receptor Height : 3 meter  | Time : 10:30 am to 06:30 pm                          |

| RESULTS    |                                       |         |         |                   |                         |  |
|------------|---------------------------------------|---------|---------|-------------------|-------------------------|--|
| Sr.<br>No. | Parameters                            | Results | Limits  | Unit              | Reference Method        |  |
| 1          | Sulphur Dioxide (SO <sub>1</sub> )    | 33.69   | <200.0  | ig/m*             | 55182(Part-3);R2022     |  |
| 2          | Oxides of Nitrogen (NO <sub>1</sub> ) | 35.48   | <150.0  | ug/m <sup>a</sup> | 15:5182(Part-6);02022   |  |
| 3          | PMIE                                  | 498.11  | <2000.0 | µg/m <sup>a</sup> | 15 51820Part-231;8.2022 |  |
| 4          | PM <sub>23</sub>                      | 70.36   | <300.0  | - He/m*           | 15:53820Purt-24(:2019   |  |

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 CALEBRATION DETAILS

|                    |                                 |                    |                      | Calibration Datail |                         |  |
|--------------------|---------------------------------|--------------------|----------------------|--------------------|-------------------------|--|
| Sr. No.            | EquipmentName                   | Equipment ID       | CertificateNo.       | Celbrated<br>Date  | Calibration<br>Due Date |  |
| 117581 18-07-01023 | Requirable Dest. Sample         | SATPL/AR/RDS/81    | 8720211              | 36.03.20124        | 15 80,2025              |  |
| 1211-070-2013      | Gereinum Attachiment Sample     | SATPL/AIR/RDS/01-A | FE93212              | 16.03.2024         | 15-03-2025              |  |
| 556277             | Dignal Decomer Balance          | SL/5M8/41          | AC\$/456/CM30/230072 | 19.03.2024         | 18412025                |  |
| 3LA                | Digital Spectrophotometer Model | 9L/0V/34           |                      | Inhouse C          | albertino               |  |

Review By,

Sr. Analyst



For Shreeji Aqua Treatment Pvt.Ltd.



----End of Test Report

Page 1 of 1

The results relate to sample tested.

Plane Plot No. 8-34. H Block, Lai Topi Nagar, Norewaldi, MDC, Pimpri-Chinchwalf, Maharashtra 411018. Later 164.Shreeji Temace Apt, Plot No. 53, Piana Nagar, Chikhall, Pame 411019 Vededeater Plot No. 1, Shah Ind. Parki 1, Vadodara Savit, Lamdapora. 391 775 Dist, Vadodsa Conterner Care No.: +919725347365 Email: Infrephroejiagua.com: Web: www.shreejiagua.com

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|  |                  |   |   | FEST REPOR   | RT  |   |   |  |  |
|--|------------------|---|---|--|---|---|---|--|--|
| Lab In   | ward No. : SL/3  | 4-25/02/MWZ/3   | 371   | Date   | of Sampling 121/0   | 1/2025  |   |  |  |
| Client A   |                  | a con contration  | - and the second  | Start  | of analysis : 21/02   | 0025  |   |  |  |
|  |                  | ED ( MET COKE DI<br>ERY POWER PLAN  |   | End o  | Analysis : 25/02/   | 2025  |   |  |  |
| (www.si  | E REAT RECOVE    | EKY POWER PLAN  | (1 - 0)   | Repo   | rt Date : 25/02/202   | 5   |   |  |  |
| SURVEY NO. 205,206,207, 31/1,33 PART OF<br>177,44,43/1,43/2, & 42/1 &74, SURVEY NO. 207 (PART) OF<br>NAVELIM VILLAGE AND SURVEY NO. 43/1, 44/4 & 44/5 OF<br>AMONA VILLAGE, BICHOLIM – GOA. |                  |   |   | ¥.   | Sample Drawn By 1 SATPL Representative on 21/02/2025  |   |   |  |  |
| Order  | / Reference: A   | 5 per TRF Dated D1  | /02/2025  |  |   |   |   |  |  |
| Monit  | oring For : FUG  | ITIVE EMISSION I  | NONITORING  |  |   |   |   |  |  |
| Sampl  | ing Procedure    | : As per respectiv  | ve NIOSH/IS Guid  | lelines  |   |   |   |  |  |
| Limits   | : As per The En  | dronmental (Prot  | ection) Rules 1986  | 5-(Third Amer  | idment), 2012.  |   |   |  |  |
| Sampl  | ing Location :   | MCD New Coal  | Shed & Coke Ya  | rd.  |   |   |   |  |  |
| Latera   | Distance : 3 (   | meter   |   |  | Duration : 08 Hrs.  |   |   | 1.2.2  |  |
| Recep  | tor Height : 1 r | neter   |   |  | Time : 11:00 am to 07:00 pm   |   |   |  |  |
|  |                  |   |   | RESULTS  |   |   |   |  |  |
| Sr.<br>No.   | Parameters       |   | Results   | Limits   | unit Unit   |   | Reference N   | Reference Method   |  |
| 1  | Sulphur Diox     | ide (502)   | 35.76   | <200   | µg/m <sup>3</sup>   | 11.11   | (55182(Part-2   | );#2022  |  |
| 2  | Oxides of Nit    | rogen (NO2)   | 32.54   | .<150  | μg/m <sup>3</sup>   | 1   | 05182(Part-6  | k82022   |  |
| 3  | PM10             |   | 654.27  | <2000  | - uu/m3   | 1   | \$5182(Part-23  | R 2022   |  |
| 4  | PM2.5            |   | 98.14   | <300   | µg/m∃   |   | 155182(Part-  | 24);2019   |  |
| REMAR  |                  | sbove mentioned (   | ntomers represen  |  |   | nits.   |   | 17   |  |
| 1  |                  |   | EQUIPARIA   | CLI LALINATING   | N DE DARS   |   | Celibrat  | ini Detall   |  |
|  | Se. No.          | Equipmen  | thiarrow.   | Equipment ID   | CertificateNn.  |   | Collbrated<br>Date  | Calibration<br>Due Date                                    |  |
|  |                  | the second se |   | and the second | and the second se | a second s | and the state of the second | a successive distribution of the local distribution of the |  |
|  | 20100 CITE 2022  | HDS ( PM 10 )<br>GatebusAttachmo  | A Destination of the second | ATPL/AIR/AAS/3   | 6 ASEM/2023-24  | 105-11  | 39/03/2038  | 24/09/202  |  |

for Shreeji Aqua Treatment Pvt. Ltd.

11/10/2024

18/00/2025

Page 1 of 1



%L/SMB/41

SL/UN/34

ചന Managing Director Authorized Signatory

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

The results relate to sample tested, Puese: Por No. 6-24, Histori, Lai Topi Nagal, Moreward, MIDC, Pimper-Chinchward, Maharashtra 411018, Labi MA,Shreeji Terroce Apt, Plot No. 53, Puese Nagar, Chikhuk, Pune; 451019

Digital Electronic Italance

**Digital Spectrophotometer Model** 

Vadioplana: Plot No.1, Shah Ind. Park 1, Vadiodara Savil, Lamdapura, 391 775 Dist. Vadiodira Castomer Care No.2 +919225247305 Email: info@strees[lagua.com Web: www.shrees[lagua.com

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| Client Na   |                                 |  |  | TEST REPO                                       | RT                             |            |   |                      |  |
|---|---------------------------------|--|--|---|--------------------------------|------------|---|----------------------|--|
|   | vard No. : SL/3                 | 4-25/02/MWZ/2  | 19M                                      | Date  | Date of Sampling : 10/02/2025  |            |   |                      |  |
| and the second  | Client Name:                    |  |  | Start   | Start of analysis : 10/02/2025 |            |   |                      |  |
| M/s. VE   | DANTA LIMITI                    | ED ( PIG IRON PL   | NNT)                                     | End   | of Analysis : 14/02/2          | 025        |   |                      |  |
| SURVEY  | NO. 30 (PART                    | 41,42/1,27 (PAR)   | DAMONA, P.O                              |   | rt Date : 14/02/2025           | _          |   |                      |  |
|   | A, BICHOLIM                     |  | 8.60090000000000000000000000000000000000 | (citibut  |                                |            |   |                      |  |
|   |                                 |  |  | Samp  | ale Drawn By : SATPI           | . Repre    | sentative on I  | 10/02/2025           |  |
| Order /   | Reference: A                    | s per TRF Dated 03   | /02/2025                                 |   |                                |            |   |                      |  |
| Monito  | ring For : FUG                  | ITTVE EMISSION   | NONITORING                               | 2.04T   |                                |            |   |                      |  |
| Samplin   | ng Procedure                    | i As per respecti  | /e NIQSH/IS C                            | iuidelines                                      |                                |            |   |                      |  |
| Limits :  | As per The En                   | Aronmental (Prot   | ection) Rules3                           | 986-(Third Amen                                 | dment),2012.                   |            |   |                      |  |
| Contraction Interaction   | ng Location :                   | Contraction of the Association o |  |   |                                |            |   |                      |  |
| and the second se | Distance ± 3 :                  |  |  |   | Duration : 08 Hirs.            |            | _   | _                    |  |
| Recepto   | or Height : 1 r                 | neter  |  |   | Time: 10:30 am to              | 06:30      | pm  |                      |  |
|   |                                 |  |  | RESULT5   |                                |            |   |                      |  |
| Sr.<br>No.  | Parameters                      | 10 - 10<br>10 - 10   | Results                                  | Umits   | Unit                           |            | Reference N   | lethod               |  |
| 1   | Sulphur Diox                    | ide (502)  | 41.18                                    | <200  | ug/m <sup>3</sup>              | 100        | 65182(Part-2);R2022   |                      |  |
| 2   | Oxides of Nit                   | rogen (NO2)  | 34.65                                    | <150  | μg/m <sup>3</sup>              |            | 155182(Part-6);R2022  |                      |  |
| 3   | PM10                            |  | 548.34                                   | <2000   | µg/m <sup>3</sup>              |            | IS5182(Part-23),8 2022  |                      |  |
| 4   | PM2.5                           |  | 82.25                                    | <300  | Em/ma =                        |            | 155182(Part-24);2019  |                      |  |
| IEMARK  |                                 |  | istomers repre                           |   |                                | as.        |   |                      |  |
|   | 5r. No.                         | Epigenen   | Name                                     | Equipment ID                                    | Cartificate/No.                |            | Calibrated  | Calibration          |  |
|   |                                 |  |  |   |                                |            | Date  | Due Date             |  |
|   |                                 |  |  |   | 0.0.000                        | 15/08/2024 | The second |                      |  |
|   | 00112020                        | RDS (PM3D)<br>GaneousAttaching   | ntSainpl                                 |   |                                |            | and the second states   | 17 E. 19 10 10 10 10 |  |
|   | 00112020<br>19090702020<br>5627 | HDS (PM30)<br>Gaenous Attachine<br>4<br>Digital Electronic I   | and the second                           | 5ATPL/AIR/AA5/2<br>5ATPL/AIR/AA5/2<br>5U/5M5/41 |                                | 95-09      | 13/03/2024  | 10/01/2025           |  |

The results relate to sample tested.

Paner Plot No. 8-26, H Block, Lal Topi Nagar, Morewald, MIDC, Perpri-Chinchwad, Maturashina 411018.

Lalar 1.64.Shveeji Terrace Apt. Plot No. 53, Punna Nagar, Chikhak, Pune: 411019

Vadiodara: Pist No.1, Shuh Ind. Park-1, Vadiodara-Savli, Lansdapura, 391 775 Dist, Vadiodia

Customer Care No.: +#19225267305 Email: info@sheesjisqua.com Web: www.sheesjisqua.com

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# [[Shreeji |]

## SHREEJI AQUA TREATMENT PVT. LTD.

ALL SURVICES DOUBLE OF A Accredited by NAIR, as per ISO/EC 17925/2017 Certified by ISO 9601-2015, SO 14801-2015 & BO 45001-2018 Recognized by Ministry of Environment, Forest & Climate Change (MINEFCC), Gevt. of India, New Dalhi ENVIRONMENT . FOOD . ANIMAL FOOD & FEED . MICROBIOLOGY

|              |                            |                                 |                 | TEST REPO                        | RT                            |   |                            |   |  |
|--------------|----------------------------|---------------------------------|-----------------|----------------------------------|-------------------------------|---|----------------------------|---|--|
| Lab In       | ward No. : SL/:            | 24-25/02/MWZ/2                  | 119N            | Date                             | Date of Sampling : 10/02/2025 |   |                            |   |  |
| Client Name: |                            |                                 |                 | Start                            | of analysis : 10/0            | 2/2025  |                            |   |  |
| W/⊫ V        | EDANTA UMIT                | ED [ PIG IRON PL                | ANT)            | End                              | of Analysis : 14/02           | /2025   |                            |   |  |
| SLIKVE       | Y NO. 30 IPART             | )41,42/1,27 (PAR                | DAMONA P.O      | 1.0561                           | ort Date : 14/02/20           |   |                            |   |  |
|              | ELA, BICHOUM               |                                 | 10              | . neps                           | HE DARE : 14/02/25            | 4.5   |                            |   |  |
|              |                            |                                 |                 | Samj                             | ple Drawn By : SA             | PL Repre  | sentative on               | 10/02/2025  |  |
| Order        | / Reference: A             | s per TRF Duted 0               | 1/02/2025       |                                  |                               |   |                            |   |  |
| Monit        | oring For : FUG            | ITTVE EMISSION                  | MONITORING      |                                  |                               |   |                            |   |  |
| lampl        | ing Procedure              | : As per respecti               | ve NIO5H/IS G   | uidelines                        |                               |   |                            |   |  |
| limits       | : As per The En            | vironmental (Pro                | ection) Rules19 | 986-(Third Amer                  | dment),2012.                  |   |                            |   |  |
| sampl        | ing Location :             | Loading & Universit             | ing at Jetty    |                                  |                               |   |                            |   |  |
| atera        | Distance : 3               | meter                           |                 |                                  | Duration : 08 Hir:            | E1  |                            |   |  |
| 0.000        | tor Height : 1 r           |                                 |                 |                                  |                               |   |                            |   |  |
| recep        | eor meigne i a t           | 14CLUI                          |                 |                                  | Time : 10:50 am               | 10.00:30  | pm                         |   |  |
|              |                            |                                 |                 | RESULTS                          |                               |   |                            |   |  |
| Sr.<br>No.   | Parameters                 |                                 | Results         | Limit                            | s Unit                        |   | Reference N                | Nethod  |  |
| 1            | Sulphur Dico               | ide (502)                       | 30.23           | <200                             | µg/m <sup>3</sup>             | 1   | 155182(Part-2              | );82022   |  |
| 2            | Oxides of Nit              | trogen (NO2)                    | 43.11           | <150                             | µg/m³                         |   | 155182(Part-6              | and the second se |  |
| 3            | PM10                       | ALL DOUGHT.                     | 687.45          | <2000                            | µg/m <sup>3</sup>             | 1000  | (55182(Pa)                 | the second second   |  |
| 4            | PIM2.5<br>NA- Not Applicat |                                 | 103.12          | <300                             | Hig/m <sup>3</sup>            |   | 155182(Part-               | 24);2019  |  |
| EMAR         | K: Reference to :          |                                 | ustomers repres |                                  |                               | imits.  | 1                          | or Detail   |  |
|              | Sr. No.                    | No. EquipmentRame               |                 | Equipment I                      | Certificatoria                |   | California                 | Calibration   |  |
|              | 254005-2                   | - 4025233                       | 252-217         |                                  | 10 0.0000000000               |   | Dete                       | Due Date  |  |
|              | 25640782021<br>25840782021 | ROS (PM 10)<br>GeotossAttachine | orthornal a     | SATPL/ARI/AAS/<br>SATPL/ARI/AAS/ |                               | and the second se | 29/03/2024                 | 18/03/2025  |  |
|              | \$5827                     | Digital Electronic i            |                 | - S1/SMB/43                      | ACE/456/CM 3                  | and the second se | 19/03/2024                 | 18/03/2025  |  |
|              | 16A                        | Digital Spectrophy              | dometer Model   | SL/U/V/34                        |                               |   | w Californian              |   |  |
|              |                            |                                 |                 | TREAT                            | For She                       | eeji Aqua 1   | freatment Pvt. L           | td.   |  |
|              |                            |                                 |                 | CHINCHWAR                        |                               |   |                            |   |  |
|              |                            |                                 |                 | Way + C                          |                               | 51  |                            |   |  |
|              |                            |                                 |                 |                                  |                               | Managing  | Construction of the second |   |  |

The results relate to sample tested.

Page 1 of 1

Plot No. 5-24, H Block, Lei Topi Nager, Morewedl, MIDC, Perpti-Chenchwad, Maharashtra 411018. Paperser 184.5hreeji Ternice Apt. Flot No. 53, Pama Nagar, Chikhali, Pune: 411019 Lake-

Vedisidara: Plot No. 1, Sheh Ind. Paris-1, Vadodara-Savél, Lamdapura. 391 775 Dist. Vadodra

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## SHREEJI AQUA TREATMENT PVT. LTD.

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|            |                                   | TES                  | T REPO                       | RT                            |                             |  |  |
|------------|-----------------------------------|----------------------|------------------------------|-------------------------------|-----------------------------|--|--|
| Lab im     | ward No. : 51/24-25/02/MWZ/3      | 190                  | Dat                          | Date of Sampling : 10/02/2025 |                             |  |  |
| Client N   |                                   |                      | Sta                          | rt of analysis : 10/02/2      | 2025                        |  |  |
| M/iL V     | EDANTA LIMITED [PIG IRON EXF      | ANSION PLANT         | End of Analysis : 14/02/2025 |                               |                             |  |  |
|            | Y NO. 61/1,61/3,62,63/0,120/1,1   |                      | Rep                          | ort Date : 14/02/2025         |                             |  |  |
| (PART)     | 205,206,207, VILLAGE NAVELIM      | , BICHOLIM – GOA     | San                          | nple Drawn By : SATPI         | Representative on 10/02/202 |  |  |
| Order      | / Reference: As per TRF Duted 0:  | 1/02/2025            |                              |                               |                             |  |  |
| Monit      | oring For : FUGITIVE EMISSION     | MONITORING           |                              | _                             |                             |  |  |
| Sampl      | ing Procedure : As per respecti   | ve NIOSH/IS Guidelii | nes                          |                               |                             |  |  |
| Limits     | : As per The Environmental (Prot  | ection) Rules1986-(T | hird Amer                    | vdmient),2012.                |                             |  |  |
| Sampl      | ing Location : Internal Transport | stion Rood           |                              |                               |                             |  |  |
| Latera     | Distance 1 3 meter                |                      |                              | Duration : 08 Hrs.            |                             |  |  |
| Recept     | tor Height : 3 meter              |                      |                              | Time : 10:35 am to 05:35 pm   |                             |  |  |
|            |                                   | RE                   | SULTS                        |                               |                             |  |  |
| Sr.<br>No. | Parameters .                      | Results              | Limits                       | Uolt                          | Reference Method            |  |  |
| 1          | Sulphur Dioxide (SO2)             | 28.85                | <200                         | µg/m <sup>3</sup>             | (55183(Part-2);R2022        |  |  |
| 2          | Oxides of Nitrogen (NO2)          | 39,92                | <150                         | µg/m <sup>3</sup>             | 155182(Part-6);82022        |  |  |
| 3          | PM10                              | 512.65               | <2000                        | µg/m3                         | 155182(Part-23);R 2022      |  |  |
| 4          | PM2.5                             | 76,90                | <300                         | Em/m3                         | (\$5182(Part-24):2019       |  |  |

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

|           |                                 |                  |                      | Calibration Detail |                         |  |
|-----------|---------------------------------|------------------|----------------------|--------------------|-------------------------|--|
| Ir. No.   | EquipmentName                   | Equipment ID     | CertificateNo.       | Calibrated<br>Date | Calibration<br>Due Date |  |
| 77121     | R05 (PM 10)                     | SATPL/AIR/AAS/30 | ASPM/2023-24/205-08  | 19/03/2024         | 18/03/2025              |  |
| A46602021 | Gaineus Attachment<br>Sample    | SATPL/MB/AAS/25  | ASPM/2023-24/205-09  | 39/03/2024         | 18/01/2025              |  |
| 55027     | Digital Decisionic Balance      | 51/5M/8/41       | ACS/956/CM 30/230072 | 19/01/2024         | 18/03/2025              |  |
| NA        | Digital Spectrophotometer Model | SLAUV/34         |                      | 100104             | sie Californitien       |  |

γLΕ CHARDHARD PUNE ATTRAS

End of Test Report

SIM Managing Director Authorized Signatory

For Shreeji Agus Treatment Pyt. Ltd.

The results relate to sample tested.

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Paner Plot No. 8-24, H Block, Lal Topi Nagar, Morewack, MDC, Perspil-Chinchevad, Maharashtta 411018.

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Varindaras Plot No.1, Shah Intl. Park-1, Variodata-Sauli, Laminageana 391 775 Dist. Variodica

Castomer Care No.: + 919325247365 Email: info@shreejiaqua.com Web: www.shreejiaqua.com

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# <u>Annexure XIV</u> <u>Silica/quartz Reports attached</u>



# **Final Report**

Quantitative Exposure Assessment Monitoring

Conducted at

Vedanta Limited

Assessment Period: 17<sup>th</sup> January to 2<sup>nd</sup> February, 2024

Date of Draft Report: 5<sup>th</sup> April, 2024

Date of Final Report: 5<sup>th</sup> May, 2024

Submitted to Dr. Abel Da Costa

Prepared by Jay Suvagiya Industrial Hygienist

**Review 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



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| 2. Methods and Evaluation Criteria  | 4        |  |  |  |  |
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| Appendix 1: Evaluator's CIH Certificate                                       |          |  |  |  |  |
| Appendix 2: Calibration Certificates of IH instruments used during monitoring |          |  |  |  |  |
| Appendix 3: Laboratory Results  | 52       |  |  |  |  |



# **1. Executive Summary**

## Personal Air Monitoring

Total fifty ones personal air samples were collected to check silica exposure. Eight hours results of all the samples collected during our visit were below the threshold limit value provided by ACGIH and The Indian Factories Act, 1948.

## Personal exposure assessment results summary:

| Sr.<br>No | Analyte             | No of<br>samples<br>collected | No of High results<br>samples as per<br>TLV, TWA (as per<br>ACGIH) | No of High results<br>samples as per PEL,<br>TWA (as per The<br>Indian Factories Act-<br>TIFA) | (Sr. no / page no)<br>Find specific<br>observation,<br>suggestion on<br>mentioned sr. no<br>and pages |
|-----------|---------------------|-------------------------------|--|--|---|
| 1         | silica Quartz       | 51                            | 0  | NA   | -   |
| 2         | silica Cristobalite | 51                            | 0  | NA   | -   |

## We had provided all the suggestions along with results in section 3.

Please read this report in conjunction with the following documents:

• Industrial Hygiene Results Sheet as Appendix 1



# 2. Methods and Evaluation Criteria

## a. Air Monitoring Methodology

2.1 SIHS used below mentioned media for sampling.

| Sr.<br>No | Analyte   | Media                   |
|-----------|---|-------------------------|
| 1         | Respirable Particulate,<br>Respirable Silica (Quartz and<br>Cristobalite) | 3 PC PW PVC+<br>Cyclone |

- 2.2 Sampling media was attached to battery operated personal air sampling pump (Casella make) with Tygon<sup>®</sup> tubing.
- 2.3 SIHS team conducted the air monitoring by placing the sampling media in the operator's breathing zone. The purpose of the personal exposure monitoring was to determine the degree of operator's exposure to chemicals during the activity / unit operations.
- 2.4 A primary calibrator, factory calibrated annually (Make: Casella, Model: Flow Detective Plus, Serial Number: 4304376; Calibration date: 15/06/2023) was used for the purpose of calibrating the sampling pumps attached with a dedicated sampling filter.
- 2.5 Calibration (Pre and Post) was conducted for all the air samples. Three calibrated flow rates were measured to determine the average flow rate as per the validated sampling methods.
- 2.6 After completion of monitoring, the plugs were placed back on to the filter cassette /caps at the ends of the sorbent tubes were capped and stored in a clean plastic zip-lock bag.
- 2.7 Each sample was identified by a SIHS specific number. At the end of the monitoring, a Chain-of-Custody was prepared for all the samples. The collected samples were shipped with the Chain-of-Custody to AIHA accredited Laboratory.



## Air Sampling Evaluation Criteria

The ACGIH, 2024, established TLVs, and the Indian Factories Act, 1948, provided that PEL was used as the primary evaluation criteria for comparing exposure monitoring results for chemicals.

| Analyte             | TLV-TWA-<br>ACGIH       | TLV-TWA-TIFA       |
|---------------------|-------------------------|--------------------|
| Silica Quartz       | 0.025 mg/m <sup>3</sup> | Sample<br>specific |
| Silica Cristobalite | 0.025 mg/m <sup>3</sup> | Sample<br>specific |

TLVs of chemicals & physical parameter



| Category | Category type     | Follow up action  |
|----------|-------------------|---|
| 1        | Highly controlled | Procedure, training, general hazard communication             |
| 2        | Well controlled   | Chemical specific hazard communication, periodic exposure     |
| 2        |                   | monitoring  |
|          | Controlled        | Required Exposure Monitoring, Workplace Inspections to Verify |
| 3        |                   | Work Practice Controls; Medical Surveillance, Biological      |
|          |                   | Monitoring  |
| 4        | Poorly controlled | Implement Hierarchy of Controls; Monitoring to Validate       |
| 4        |                   | Respirator Protection Factor Selection.                       |

#### Industrial Hygiene Data Analysis categories and follow up actions against category

How to interpretate it? : Sometimes results of all the three samples will be less than 50% of the TLV, but distribution, mean, 95<sup>th</sup> percentile, etc will be more than 50% of the TLV which will increase likelihood of getting results on higher than TLV in future Or some of the results will be less than 50% of the TLV, which believes that although results are below the TLV but it is well controlled and less chances / likelihood are there to get higher results in future.

So even after getting results less than TLV, we should perform some follow up action (mentioned above) to control exposure at the same level and to give better protection to the employees from the exposure.



# 3. Results, Observations and recommendations:

Air sampling activity details and graphs:

| Sr. No | Location | Area           | Chemical<br>name | Activity          | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|----------------|------------------|-------------------|----------------------------------|---|-------------------------|---------------------------------|
| 1      | Sinter   | Flux &<br>fuel | Silica           | Crusher operation | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 4                               |

#### Sampling data:

| Sr.<br>No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump no | Avg.<br>Flow<br>(LPM) | Volume (L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|-----------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|---------|-----------------------|------------|--------------------|---------------------------------|--|
| 1         | 17-1-24 | V/1701/SI 01 | Silica- Quartz      | Nilesh Viturkar  | 08:59      | 13:57     | 298                            | 810     | 2.45                  | 730.4      | 0.016              | 0.0099                          | 3.13   |
| 1         | 17-1-24 | v/1/01/3i 01 | Silica Cristobalite |                  | 08.39      | 15.57     | 290                            | 810     | 2.45                  | 730.4      | < 5 μg             | < 5 μg                          | 1.56   |
| 2         | 18-1-24 | V/1801/SI 15 | Silica- Quartz      | Nilesh Viturkar  | 08:32      | 14:24     | 352                            | 701     | 2.501                 | 880.35     | 0.020              | 0.014                           | 2.63   |
| 2         | 10-1-24 | V/1801/3113  | Silica Cristobalite |                  | 06.52      | 14.24     | 552                            | 701     | 2.501                 | 880.55     | 0.016              | 0.011                           | 1.32   |
| 2         | 19-1-24 | V/1901/SI 23 | Silica- Quartz      | Nilesh Viturkar  | 08:24      | 14:14     | 350                            | 760     | 2.49                  | 872.38     | < 5 μg             | < 5 μg                          | NA   |
| 5         | 19-1-24 | V/1901/3i 23 | Silica Cristobalite |                  | 08.24      | 14.14     | 330                            | 700     | 2.49                  | 072.30     | < 5 µg             | < 5 µg                          | NA   |

#### **Observations:**

**V/1701/SI 01:** The employee was involved in the crusher operation for two hours and then he stayed in the canteen.

**V/1801/SI 15:** The employee was involved in the crusher operation for two hours and then he stayed in the canteen.

V/1901/SI 23: The employee was involved in unloading 13 trucks (four trucks of dolomite, two trucks of coal, four trucks of coke, and three trucks of lime). The employee was doing helper's work as helper was not available on that day.

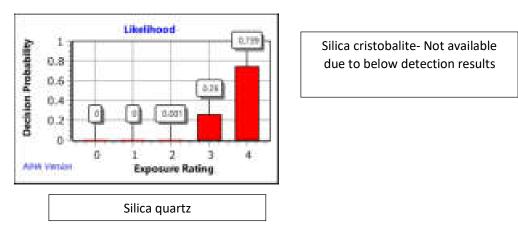
Existing control measures: Local exhaust ventilation (LEV), PPEs: Venus V 44+ mask.

Exposure source: Dust was airborne due to leakage in the crusher. Local Exhaust Ventilation (LEV) was present but it seems it was not sufficient.



#### Silica (TLV-TWA):

Results of all the three samples were below the limit as per the ACGIH & the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 4, indicating poorly controlled exposure.



#### **Recommendation:**

• It is suggested to conduct respiratory fit test of the employees and provide them training on "Awareness on PPEs with Storage and maintenance of PPEs".



| Sr. No | Location | Area           | Chemical<br>name | Activity                    | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|----------------|------------------|-----------------------------|----------------------------------|---|-------------------------|---------------------------------|
| 2      | Sinter   | Flux &<br>fuel | Silica           | Material<br>charging-Helper | 3                                | 1 (monitoring time result), 0 TWA               | 0.025 mg/m <sup>3</sup> | 4                               |

| Sr.<br>No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m³) |
|-----------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|---|
| 1         | 17-1-24 | V/1701/SI 02 | Silica- Quartz      | Dipak Gavkar     | 09:22      | 14:12     | 290                            | 620        | 2.48                  | 719.35        | 0.011              | 0.0006                          | 3.45                                      |
|           | 17-1-24 | V/1/01/3i 02 | Silica Cristobalite | Бірак Gavkar     | 09.22      | 14.12     | 290                            | 020        | 2.40                  | /19.55        | < 5 μg             | < 5 μg                          | 1.72                                      |
| 2         | 18-1-24 | V/1801/SI 14 | Silica- Quartz      | Dipak Gavkar     | 08:34      | 14:09     | 335                            | 810        | 2.49                  | 835.99        | 0.017              | 0.011                           | 2.38                                      |
| 2         | 18-1-24 | V/1801/5i 14 | Silica Cristobalite | Dipak Gavkar     | 08:34      | 14:09     | 335                            | 810        | 2.49                  | 835.99        | 0.028              | 0.019                           | 1.19                                      |
| 2         | 19-1-24 | V/1901/SI 24 | Silica- Quartz      | Naresh           | 08:04      | 14:14     | 370                            | 701        | 2.5                   | 925.19        | < 5 μg             | < 5 μg                          | NA  |
| 5         | 19-1-24 | v/1901/3124  | Silica Cristobalite | Mandekar         | 08.04      | 14.14     | 370                            | 701        | 2.5                   | 925.19        | < 5 μg             | < 5 μg                          | NA  |

#### **Observations:**

V/1701/SI 02: The employee was involved in the charging of dolomite (dolo) and coke at the flux and fuel area of the sinter plant during monitoring. He was involved in the charging activity and cleaning the crusher area twice in a shift. He was also involved in cleaning six trucks of dolomite and two trucks of coal with the help of a shovel.

V/1801/SI 14: The employee was involved in the charging of dolomite (dolo) and coke at the flux and fuel area of the sinter plant during monitoring. He was involved in the charging activity and cleaning the crusher area twice in a shift. He was also involved in cleaning six trucks of dolomite and two trucks of coal with the help of a shovel.

V/1901/SI 24: He had taken six rounds at the crusher area during the monitoring. He was not involved in cleaning during monitoring.

**Exposure source:** Dust was airborne during handling of material with shovel for cleaning purpose.

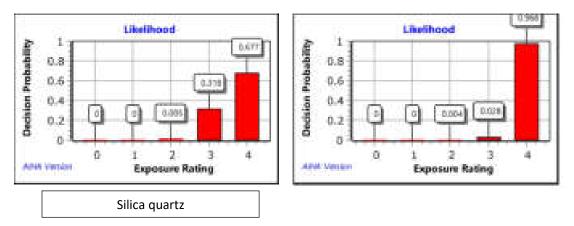
Existing control measures: Local exhaust ventilation (LEV), PPEs: Venus V 44+ mask.



#### Silica (TLV-TWA):

Results of all the three samples of quartz were below the limit as per the ACGIH & the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 4, indicating poorly controlled exposure.

Monitoring time result of one sample of cristobalite were above the limit as per the ACGIH. However, TWA results of all the samples were below the TWA limit.



#### **Recommendation:**

• It is suggested to conduct respiratory fit test of the employees and provide them training on "Awareness on PPEs with Storage and maintenance of PPEs".



| Sr. No | Location | Area                    | Chemical<br>name | Activity        | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|-------------------------|------------------|-----------------|----------------------------------|---|-------------------------|---------------------------------|
| 3      | Sinter   | Proportioning<br>bottom | Silica           | Plant operation | 3                                | 1 (monitoring<br>time result), 0<br>TWA         | 0.025 mg/m <sup>3</sup> | 4                               |

| Sr.<br>No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m³) |
|-----------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|---|
| 1         | 17-1-24 | V/1701/SI 03 | Silica- Quartz      | Rahul Pandey     | 07:33      | 14:20     | 407                            | 363        | 2.47                  | 1008.75       | 0.013              | 0.011                           | 3.33                                      |
|           | 17-1-24 | V/1/01/3103  | Silica Cristobalite | Rallul Palluey   | 07.55      | 14.20     | 407                            | 505        | 2.47                  | 1008.75       | < 5 μg             | < 5 μg                          | NA  |
| 2         | 18-1-24 | V/1801/SI 13 | Silica- Quartz      | Dulgo Sawant     | 08:21      | 14:16     | 355                            | 760        | 2.504                 | 888.92        | 0.0067             | 0.0049                          | 2.94                                      |
| 2         | 10-1-24 | V/1601/3113  | Silica Cristobalite | Duigo Sawai it   | 08.21      | 14.10     | 555                            | 760        | 2.504                 | 000.92        | < 5 μg             | < 5 μg                          | NA  |
| 2         | 10 1 24 | V/1901/SI 25 | Silica- Quartz      |                  | 08:03      | 14.24     | 381                            | 910        | 2.49                  | 946.79        | < 5 μg             | < 5 μg                          | NA  |
| 3         | 19-1-24 | V/1901/3122  | Silica Cristobalite | Arjun Volvoikr   | 08:03      | 14:24     | 561                            | 810        | 2.48                  | 940.79        | < 5 μg             | < 5 μg                          | NA  |

### **Observations:**

**V/1701/SI 03**: The employee was involved in the operation of proportioning building bottom area of the sinter plant during the monitoring. He was also engaged with daily routine rounds in proportioning the building bottom area.

V/1801/SI 13: The employee was involved in the routine supervision of proportioning building bottom area of the sinter plant during the monitoring. He was also involved in spillage cleaning of the material with the help of a shovel, and that was put down into the silo. During monitoring he had completed cleaning of the area only one time.

**V/1901/SI 25**: The employee was involved in the operation of proportioning building bottom area of the sinter plant during the monitoring. During monitoring he had completed cleaning of the area only one time.

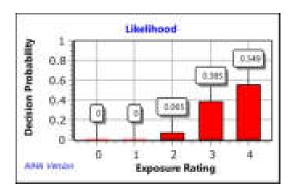
**Exposure source:** Handling of fine dust with the help of shovel creates more airborne dust.

**PPEs:** He used a Venus V 44+ mask.



#### Silica (TLV-TWA):

A total of three silica personal air samples were collected during operation of proportioning building bottom area. Results of all the three samples of quartz & cristobalite were below the limit as per the ACGIH & the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 4 (50%), indicating poorly controlled exposure.



## Recommendation:

• It is suggested to conduct respiratory fit test of the employees and provide them training on "Awareness on PPEs with Storage and maintenance of PPEs".



| s | r. No | Location | Area                      | Chemical<br>name | Activity        | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|---|-------|----------|---------------------------|------------------|-----------------|----------------------------------|---|-------------------------|---------------------------------|
|   | 4     | Sinter   | Proportioning<br>top area | Silica           | Plant operation | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 2                               |

| Sr.<br>No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|-----------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1         | 17-1-24 | V/1701/SI 04 | Silica- Quartz      | Jitendra         | 07:56      | 14:17     | 381                            | 701        | 2.478                 | 944.12        | < 5 μg             | < 5 μg                          | NA   |
| 1         | 17-1-24 | V/1/01/3i 04 | Silica Cristobalite | kumar            | 07.50      | 14.17     | 501                            | 701        | 2.478                 | 944.12        | < 5 μg             | < 5 μg                          | NA   |
| 2         | 18-1-24 | V/1801/SI 12 | Silica- Quartz      | Narayan Chadi    | 08:26      | 14.10     | 353                            | 363        | 2.503                 | 883.56        | 0.0069             | 0.005                           | 3.33   |
| 2         | 18-1-24 | V/1801/5i 12 | Silica Cristobalite | Narayan Ghadi    | 08:26      | 14:19     | 353                            | 303        | 2.503                 | 883.50        | < 5 μg             | < 5 μg                          | NA   |
| 2         | 19-1-24 | V/1901/SI 26 | Silica- Quartz      | Munna            | 08:00      | 14:21     | 381                            | 622        | 2.48                  | 947.74        | < 5 μg             | < 5 μg                          | NA   |
| 3         | 19-1-24 | V/1901/3i 20 | Silica Cristobalite | Sharma           | 08.00      | 14.21     | 501                            | 022        | 2.40                  | 947.74        | < 5 μg             | < 5 μg                          | NA   |

#### **Observations:**

V/1701/SI 04: The employee was involved in the routine supervision work of proportioning building top area of the sinter plant during the monitoring.

**V/1801/SI 12**: The employee was involved in the routine supervision work of proportioning building top area of the sinter plant during the monitoring. The employee was also involved in spraying water on the ground floor to reduced dust exposure. He also collected the dry material from the ground surface at the feeder below the hopper with the help of a shovel and fill it back into a wheelbarrow. He had also visited the lime stone area to solve query.

**V/1901/SI 26**: The employee was involved in the routine supervision work of proportioning building top area of the sinter plant during the monitoring. He was involved in cleaning for half an hour during the monitoring.

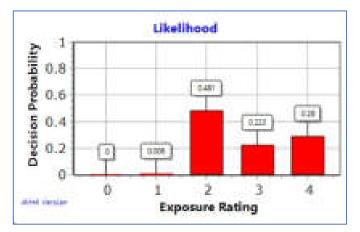
Exposure source: -

Existing control measures: LEV (local exhaust ventilation).



#### Silica (TLV-TWA):

A total of three silica personal air samples were collected during operation of proportioning building top area. Results of all the three samples of quartz & cristobalite were below the limit as per the ACGIH & the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 2, indicating well controlled exposure.



Recommendation: -



| Sr. No | Location | Area                    | Chemical<br>name | Activity     | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|-------------------------|------------------|--------------|----------------------------------|---|-------------------------|---------------------------------|
| 5      | Sinter   | Proportioning<br>bottom | Silica           | Housekeeping | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 4                               |

| Sr.<br>No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m <sup>3</sup> ) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|-----------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|---------------------------------|---------------------------------|--|
| 1         | 17-1-24 | V/1701/SI 06 | Silica- Quartz      | Manshi           | 09:20      | 16:40     | 440                            | 760        | 2.44                  | 1077.56       | 0.0062                          | 0.0056                          | 2.22   |
| 1         | 17-1-24 | V/1/01/3i 00 | Silica Cristobalite | Marani           | 09.20      | 10.40     | 440                            | 700        | 2.44                  | 1077.50       | < 5 μg                          | < 5 μg                          | 1.11   |
| 2         | 18-1-24 | V/1801/SI 17 | Silica- Quartz      | Tunnu Paswan     | 09:05      | 16:37     | 452                            | 622        | 2.46                  | 1115.31       | 0.021                           | 0.019                           | 2.7  |
| 2         | 10-1-24 | V/1801/311/  | Silica Cristobalite | Tulliu Paswali   | 09.05      | 10.57     | 452                            | 022        | 2.40                  | 1115.51       | < 20 µg                         | < 20 µg                         | 1.35   |
| 2         | 19-1-24 | V/1901/SI 27 | Silica- Quartz      | Gudvan           | 09:01      | 16.49     | 467                            | 363        | 2.48                  | 1160.26       | 0.011                           | 0.01                            | 2.5  |
| 3         | 19-1-24 | V/1901/SI 27 | Silica Cristobalite | Chaudhry         | 09:01      | 16:48     | 407                            | 505        | 2.48                  | 1100.20       | < 5 μg                          | < 5 μg                          | 1.25   |

**V/1701/SI 06**: The employee was involved in the cleaning operation during the monitoring. He cleaned the crusher area and spillage of the coke material with the help of a shovel, and then put it into the silo (hopper).

**V/1801/SI 17**: The employee was involved in the cleaning operation during the monitoring. He cleaned the crusher area and spillage of the coke material with the help of a shovel, and then put it into the silo (hopper).

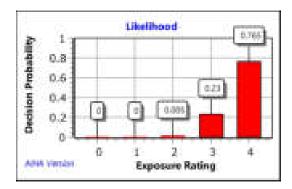
**V/1901/SI 27**: The employee was involved in the cleaning operation during the monitoring. He cleaned the crusher area and spillage of the coke material with the help of a shovel, and then put it into the silo (hopper). He was also involved in RL-1 conveyor housekeeping.

Exposure source: Handling of material (fine dust) with shovel and fill it again into hopper is a major reason to get personal exposure.

Existing control measures: PPES: Venus V-44+ respirator



<u>Silica (TLV-TWA)</u>: A total of three personal air samples were collected in the proportioning bottom building area worker of calcium oxide. Three samples of exposure were below the TLV-TWA as per the ACGIH silica quartz and silica cristobalite (0.025 mg/m3). The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 4, indicating poorly controlled exposure.





Powder transfer system

#### **Recommendations:**

- It is recommended to use powder transfer system (PTS) to collect the material (dust/waste) from the floor instead of shovel and transfer it directly to the hopper by keeping other end of the PTS inside the hopper to reduce the dust exposure.
- It is suggested to conduct respiratory fit test of the employees and provide them training on "Awareness on PPEs with Storage and maintenance of PPEs".
- Recommended to prevent leakages and perform maintenance of lines and quick line bunkers to reduce further dust exposure in the area.
- Check availability and feasibility to provide well ventilated proper enclosed cabin for the operator to reduce noise and dust exposure.
- It is suggested to conduct personal hygiene monitoring again after implementation of the above mentioned suggestions to verify its effectiveness.



| Sr. No | Location | Area                       | Chemical<br>name | Activity<br>Operation | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|----------------------------|------------------|-----------------------|----------------------------------|---|-------------------------|---------------------------------|
| 6      | Sinter   | Sinter machine<br>building | Silica           | Operation             | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 1                               |

| Sr.<br>No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|-----------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1         | 17 1 24 | V/1701/SI 09 | Silica- Quartz      | Bal Krishna      | 15:57      | 22:01     | 364                            | 622        | 2.46                  | 898.17        | < 30 µg            | < 30 µg                         | NA   |
| 1 17-1-24 | 17-1-24 | V/1/01/Si 09 | Silica Cristobalite |                  | 15.57      | 22.01     | 504                            | 022        | 2.40                  | 090.17        | < 5 μg             | < 5 μg                          | NA   |
| 2         | 18-1-24 | V/1801/SI 20 | Silica- Quartz      | Bal Krishna      | 15:47      | 21:52     | 365                            | 701        | 2.53                  | 925.82        | < 5 μg             | < 5 μg                          | NA   |
| 2         | 10-1-24 | V/1801/3120  | Silica Cristobalite | Ddi Kristilid    | 15.47      | 21.52     | 505                            | 701        | 2.55                  | 925.82        | < 5 μg             | < 5 μg                          | NA   |
| 2         | 10 1 24 | V/1001/SL21  | Silica- Quartz      | Bal Krishna      | 15:43      | 22:06     | 383                            | 760        | 2.47                  | 949.46        | < 5 μg             | < 5 μg                          | NA   |
| - 3       | 19-1-24 | V/1901/SI 31 | Silica Cristobalite |                  | 15:43      | 22:06     | 363                            | 760        | 2.47                  | 949.40        | < 5 μg             | < 5 μg                          | NA   |

**V/1701/SI 09**: The employee was involved in operations and supervision at the sinter machine building in the sinter plant during monitoring. He was involved in supervision of the incoming material through free drum material onto the pallet car and also checked temperature. He visited 14 meters level four times, the fed drum area eighteen times, the jet 2 area four times, the discharge area sixteen times, and the control room ten times during the monitoring.

**V/1801/SI 20**: The employee was involved in operations and supervision at the sinter machine building in the sinter plant during monitoring. He was involved in supervision of the incoming material through free drum material onto the pallet car and also checked temperature. He visited 14 meters level three to four times, the fed drum fifteen times, the jet 2 area four to five times, the discharge area fifteen times, and the control room 10 times during the monitoring.

**V/1901/SI 31:** The employee was involved in operations and supervision at the sinter machine building in the sinter plant during monitoring. He was involved in supervision of the incoming material through free drum material onto the pallet car and also checked temperature. He visited 14 meters level five times, the fed drum fifteen to sixteen times, the jet 2 area five times, the discharge area fifteen times, and the control room ten to twelve times during the monitoring.



Exposure source: -

Existing control measures:-

#### Result and statistical analysis:

**Silica (TLV-TWA):** A total of three personal air samples of silica were collected in sinter machine building area. All the results are below detection limit and below the TLV\_TWA of silica as per the ACGIH and The Indian Factories Act, 1948. As all the results are below detection limit we are not providing statistical data. Exposure is highly controlled.

#### **Recommendation** -



| Sr. No | Location | Area                       | Chemical<br>name | Activity | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|----------------------------|------------------|----------|----------------------------------|---|-------------------------|---------------------------------|
| 7      | Sinter   | Sinter machine<br>building | Silica           | Helper   | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 1                               |

| Sr.<br>No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|-----------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1         | 17 1 24 | V/1701/SL09  | Silica- Quartz      | Supil Dracad     | 15:54      | 22:09     | 375                            | 701        | 2.47                  | 927.375       | < 30 µg            | < 30 µg                         | NA   |
| 1         | 17-1-24 | V/1701/SI 08 | Silica Cristobalite | Sunil Prasad     | 15.54      | 22.09     | 575                            | 701        | 2.47                  | 927.575       | < 5 μg             | < 5 μg                          | NA   |
| 2         | 10 1 24 | V/1801/SI 21 | Silica- Quartz      |                  | 15:39      | 22:00     | 381                            | 363        | 2.51                  | 959.93        | < 5 μg             | < 5 μg                          | NA   |
| 2         | 10-1-24 | V/1801/3121  | Silica Cristobalite | Manjit Kumar     | 15.59      | 22.00     | 501                            | 505        | 2.51                  | 959.95        | < 5 μg             | < 5 μg                          | NA   |
| 2         | 10 1 24 | V/1001/SL22  | Silica- Quartz      | Manjit Kumar     | 15.41      | 21.50     | 378                            | 622        | 2.45                  | 927.423       | < 5 μg             | < 5 μg                          | NA   |
| 5         | 19-1-24 | V/1901/SI 32 | Silica Cristobalite | Manjit Kumar     | nar 15:41  | 21:59     | 578                            | 022        | 2.45                  | 927.425       | < 5 μg             | < 5 μg                          | NA   |

**V/1701/SI 08:** The employee was involved in housekeeping operations at the sinter machine building at sinter plant during monitoring. He was involved in picking up dust material from the ground and depositing it into a sinter bunker and a raw material bunker. After completion of work at 14 meter level he used to stay on the jet 2<sup>nd</sup> floor for cleaning. Throughout the monitoring period, he spent six hours exclusively on the Jet 2 floor for cleaning tasks.

**V/1801/SI 21**: The employee was involved in housekeeping operations at the sinter machine building at sinter plant during monitoring. He was involved in picking up dust material from the ground and depositing it into a sinter bunker and a raw material bunker. After completion of work at 14 meter level he used to stay on the jet 2<sup>nd</sup> floor for cleaning. Throughout the monitoring period, he spent six hours exclusively on the Jet 2 floor for cleaning tasks.

**V/1901/SI 32**: The employee was involved in housekeeping operations at the sinter machine building at sinter plant during monitoring. He was involved in picking up dust material from the ground and depositing it into a sinter bunker and a raw material bunker. After completion of work at 14 meter level he used to stay on the jet 2<sup>nd</sup> floor for cleaning. Throughout the monitoring period, he spent six hours exclusively on the Jet 2 floor for cleaning tasks.

**Exposure source:** Man movement and cleaning will generate some airborne particles in the area.

#### Existing control measures: -



<u>Silica (TLV-TWA)</u>: A total of three personal air samples were collected in sinter machine building area helper of silica. Three samples of exposure were below the TLV-TWA as per the ACGIH silica quartz and silica cristobalite 0.025 mg/m<sup>3</sup>. As all the results are below detection limit we are not providing statistical data. Exposure is highly controlled.

**Recommendation :-**



| Sr. No | Location | Area                   | Chemical<br>name | Activity | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|------------------------|------------------|----------|----------------------------------|---|-------------------------|---------------------------------|
| 8      | Sinter   | Sinter loading<br>area | Silica           | Helper   | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 4                               |

| Sr.<br>No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|-----------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1         | 17-1-24 | V/1701/SI 10 | Silica- Quartz      | Ram              | 16:00      | 22:06     | 366                            | 363        | 2.48                  | 910.242       | < 5 μg             | < 5 μg                          | NA   |
| 1 17      | 17-1-24 | V/1701/SI 10 | Silica Cristobalite | Prabhahans       | 16:00      | 22:06     | 500                            | 303        | 2.40                  | 910.242       | < 5 μg             | < 5 μg                          | NA   |
| 2         | 18-1-24 | V/1801/SI 19 | Silica- Quartz      | Ram              | 15:55      | 21:58     | 363                            | 760        | 2.56                  | 930.914       | 0.021              | 0.016                           | 2.3  |
| 2         | 10-1-24 | V/1001/3119  | Silica Cristobalite | Prabhahans       | 15.55      | 21.56     | 505                            | 760        | 2.50                  | 950.914       | < 5 μg             | < 5 μg                          | 1.06   |
| 2         | 19-1-24 | V/1901/SI 30 | Silica- Quartz      | Ram              | 15:44      | 21:55     | 371                            | 701        | 2.50                  | 928.428       | 0.0063             | 0.004                           | 2.86   |
| 5         | 19-1-24 | V/1901/3I 30 | Silica Cristobalite | Prabhahans       | 13.44      | 21.55     | 5/1                            | 701        | 2.50                  | 920.420       | < 5 μg             | < 5 μg                          | 1.43   |

**V/1701/SI 10:** The employee was involved in supervision at the sinter loading area during monitoring. He was involved in supervision at the screening building, cooler area, and product bunker. He had visited product bunker area seven times during the monitoring. He had visited the sinter product bunker three times at the LS2 tail-ante as well as the C4 tail-ante. He had also taken a round at the screening building of sinter four to five times during the monitoring.

**V/1801/SI 19:** The employee was involved in supervision at the sinter loading area during monitoring. He was involved in supervision at the screening building, cooler area, and product bunker. He had visited product bunker area seven times during the monitoring. He had visited the sinter product bunker three times at the LS2 tail-ante as well as the C4 tail-ante. He had also taken a round at the screening building of sinter six times during the monitoring.

**V/1901/SI 30**: The employee was involved in supervision at the sinter loading area in the sinter plant during monitoring. He was involved in supervision at the screening building, cooler area, and product bunker. He had visited product bunker area nine times during the monitoring. He had visited the sinter product bunker three times at the LS2 tail-ante as well as the C4 tail-ante. He had also taken a round at the screening building of sinter seven times during the monitoring.

**Exposure source:** Exposure to the sinter screening building occurred when the material, coming from the belt, was directed to the crusher through the discharging chute. Although a local exhaust ventilation (LEV) system was available in the discharging chute, but still airborne dust was observed. it proved

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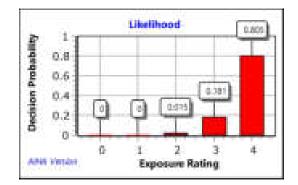


ineffective, leading to dust exposure in the screening area. There was also exposure to sinter at the product bunker when the material, arriving on the belt, was diverted by the C4 trolley by a discharge chute for feeding into the bunker. A gap of approximately 1 foot between the grizzly and the discharge chute allowed for less dense particles.

Existing control measures: Cotton mask, LEV (local exhaust ventilation) system

#### **Result and statistical analysis:**

<u>Silica (TLV-TWA)</u>: A total of three personal air samples were collected in sinter loading area on operator to check silica exposure. Three samples of exposure were below the limit as per the ACGIH TLV-TWA of silica quartz and cristobalite. Results are also below PEL limit of silica as per The Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 4, indicating poorly controlled exposure.



#### **Recommendations:**

- It is recommended to perform maintenance of LEV system to improve its efficiency.
- Suggested to provide respiratory protection against silica dust of 5 APF and perform fit test to provide better protection to the employees.
- Recommended to reduce the height of the discharge chute and surface on which material is falling to reduce the area dust exposure.



| Sr. No | Location | Area                    | Chemical<br>name | Activity | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|-------------------------|------------------|----------|----------------------------------|---|-------------------------|---------------------------------|
| 9      | Sinter   | All de-dusting<br>units | Silica           | Operator | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 1                               |

| Sr. No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|--------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1      | 17 1 24 | V/1701/SL11  | Silica- Quartz      | Nirai Chauhan    | 16:07      | 21:52     | 345                            | 810        | 2.49                  | 859.05        | < 5 μg             | < 5 μg                          | NA   |
| 1      | 17-1-24 | V/1701/SI 11 | Silica Cristobalite | Niraj Chauhan    | 10:07      | 21.52     | 545                            | 010        | 2.49                  | 659.05        | < 5 μg             | < 5 μg                          | NA   |
| 2      | 10 1 24 | V/1001/CL22  | Silica- Quartz      |                  | 15:53      | 22.11     | 378                            | 810        | 2.55                  | 965.412       | < 5 μg             | < 5 μg                          | NA   |
| 2      | 18-1-24 | V/1801/SI 22 | Silica Cristobalite | Niraj Chauhan    | 15:53      | 22:11     | 378                            | 810        | 2.55                  | 905.412       | < 5 μg             | < 5 μg                          | NA   |
| 2      | 10 1 24 | V/1901/SI 33 | Silica- Quartz      | Niraj Chauhan    | ian 16:15  | 22.02     | 347                            | 810        | 2.47                  | 858.131       | < 5 μg             | < 5 μg                          | NA   |
| 5      | 19-1-24 |              | Silica Cristobalite | Niraj Chaunan    |            | 22:02     | 547                            | 810        | 2.47                  | 030.131       | < 5 μg             | < 5 μg                          | NA   |

**V/1701/SI 11:** The employee was involved in operation of control panels of five de-dusting units in the sinter plant during monitoring. He had loaded ten trucks (20 minutes each) during the monitoring period.

**V/1801/SI 22:** The employee was involved in operation of control panels of five de-dusting units in the sinter plant during monitoring. He had loaded five trucks (20 minutes each) during the monitoring period.

**V/1901/SI 33:** The employee was involved in operation of control panels of five de-dusting units in the sinter plant during monitoring. He had loaded three trucks (20 minutes each) during the monitoring period.

#### Exposure source: -

**Existing control measure:** LEV (local exhaust ventilation)



<u>Silica (TLV-TWA)</u>: A total of three personal air samples were collected one the operator of all de dusting area to check exposure of silica. Results of all the three samples were below detection limit. As results are below detection limit we cannot calculate statistical data. Exposure is highly controlled.

**Recommendations:** -



| Sr. No | Location | Area            | Chemical<br>name | Activity | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|-----------------|------------------|----------|----------------------------------|---|-------------------------|---------------------------------|
| 10     | PID-1    | Slag drier area | Silica           | Helper   | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 1                               |

| Sr. No | Date    | Sample ID      | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m³) |
|--------|---------|----------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|---|
| 1      | 0 1 24  | V/2001/SL26    | Silica- Quartz      | Kanhu Tudu       | 07:24      | 14.44     | 430                            | 701        | 2.42                  | 1041.89       | < 30 µg            | < 30 µg                         | NA  |
|        | 20-1-24 | v/2001/SI 36   | Silica Cristobalite | Kalillu Tuuu     | 07:34      | 14:44     | 450                            | 701        | 2.42                  | 1041.89       | < 5 μg             | < 5 μg                          | NA  |
| 2      | 0 1 24  | V/2001/SI 41   | Silica- Quartz      | Ramesh           | 16:20      | 22:45     | 385                            | 701        | 2.48                  | 957.11        | < 30 µg            | < 30 µg                         | NA  |
| 2      | 20-1-24 | V/2001/3141    | Silica Cristobalite | Vilayam          | 16.20      | 22.45     | 505                            | 701        | 2.40                  | 957.11        | < 5 μg             | < 5 μg                          | NA  |
| 2      | 22 1 24 | V/2201/SLAC    | Silica- Quartz      | Ramesh           | 08:06      | 14.20     | 383                            | 622        | 2.49                  | 956.35        | < 30 µg            | < 30 µg                         | NA  |
| 5      | 22-1-24 | V/2201/SI 46 S | Silica Cristobalite | Vilayam          | 08:06      | 14:29     | 303                            | 022        | 2.49                  | 950.55        | < 5 μg             | < 5 µg                          | NA  |

**V/2001/SI 36**: The employee participated in cleaning activities at the slag dryer plant of PID-1. During the monitoring, he cleaned the chipping room once for 30 minutes, conducted kiln bottom cleaning, and cleaned the cyclone area five times for 20 minutes each.

**V/2001/SI 41:** The employee was involved in cleaning activities at the slag dryer plant of PID-1. During the monitoring, he cleaned the chipping room three times for 20 minutes each, conducted bunker cleaning four times for 15 to 20 minutes each, removed cyclone material, and poured it onto the conveyor belt. He spent a total of one hour putting fifteen to twenty materials on the belt.

V/2201/SI 46: The employee participated in cleaning activities at the slag dryer plant of PID-1. During the monitoring, he cleaned the chipping room once for 20 minutes, conducted bunker cleaning twice for 30 minutes each, cleaned the ID fan once, and cleaned spillage of slag material before transferring it with the help of a trolley. He loaded and unloaded the trolley a total of 15 times within one hour.

**Exposure source:** Airborne dust was generated during cleaning.

Existing control measure: Cotton mask-without APF

**Result and statistical analysis:** 



Silica (TLV-TWA): A total of three personal air samples were collected in slag dryer area on helper to check their exposure to silica. The results of all three samples were below TLV-TWA as per the ACGIH and PEL provided by the Indian Factories Act, 1948. Exposure is highly controlled.

**Recommendations:** -



| s | Sr. No | Location | Area            | Chemical<br>name | Activity               | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|---|--------|----------|-----------------|------------------|------------------------|----------------------------------|---|-------------------------|---------------------------------|
|   | 11     | PID-1    | BF-1 Sizer area | Silica           | Wheel loader<br>driver | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 4                               |

| Sr. No | Date    | Sample ID          | Chemical            | Employee<br>name | Start time  | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|--------|---------|--------------------|---------------------|------------------|-------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1      | 22 1 24 | V/2201/SL40        | Silica- Quartz      | Vijay            | 07:23       | 14:00     | 397                            | 810        | 2.45                  | 972.65        | 0.022              | 0.018                           | 3.57   |
|        | 25-1-24 | V/2301/SI 49 -     | Silica Cristobalite | Hemabron         | 07:23       | 14:00     | 597                            | 010        | 2.45                  | 972.05        | < 5 μg             | < 5 μg                          | NA   |
| 2      | 22.24   | V/0202/CL 124      | Silica- Quartz      | Vinod            | 08:12       | 14.27     | 385                            | 810        | 2.40                  | 959.998       | 0.01               | 0.008                           | 2.56   |
| 2      | 02-2-24 | V/0202/SI 134      | Silica Cristobalite | Chaudhary        | 08:12       | 14:37     | 385                            | 810        | 2.49                  | 959.998       | < 5 μg             | < 5 μg                          | NA   |
| 2      | 2 2 24  | V/0202/SI 125      | Silica- Quartz      | Vijay            | 15.15       | 22.24     | 420                            | 620        | 2.50                  | 1099.04       | 0.018              | 0.016                           | 2.44   |
| 5      | 92-2-24 | //0202/SI 135<br>S | Silica Cristobalite | Hembrom          | 15:15 22:34 | 22.34     | 22:34 439                      |            | 2.50                  | 1059.04       | < 5 μg             | < 5 μg                          | NA   |

#### **Observations:**

**V/2301/SI 49:** He was involved in loading of different-different material like limestone, dolomite, etc. He had completed loading of the material ten times during monitoring. Dust was airborne due to heavy vehicle movement and personal exposure was observed as driver kept his door in open condition.

**V/0202/SI 134**: He was involved in loading of different-different material like limestone, dolomite, etc. He had completed loading of the material ten times during monitoring. Dust was airborne due to heavy vehicle movement and personal exposure was observed as driver kept his door in open condition.

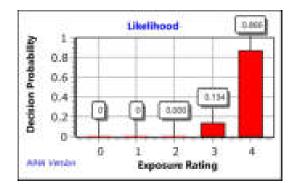
V/0202/SI 135: The employee was involved in a wheel loader operation at BF-1, BF-2, and the coke shade area. He was involved in loading materials from the yard and unloading them into a hopper. He had completed loading of the material ten times during monitoring.

**Exposure source:** Heavy vehicle movement, unloading of the material into the hopper were contributing factor for high exposure. Personal exposure was available as the wheel loader driver kept his cabin door in open condition.

Existing control measure: Cotton mask



Silica (TLV-TWA): A total of three personal air samples of silica were collected in BF-1 sizer area to check personal exposure of wheel loader driver. Results of all the three samples were below the TLV-TWA as per the ACGIH silica quartz and silica cristobalite 0.025 mg/m<sup>3</sup>. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 4, indicating poorly controlled exposure.



#### **Recommendation to reduce the exposure:**

• It is suggested to provide them respiratory protection of 5 APF and conduct respiratory fit test of the employees and provide them training on "Awareness on PPEs with Storage and maintenance of PPEs".



| Sr. No | Location | Area          | Chemical<br>name | Activity               | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|---------------|------------------|------------------------|----------------------------------|---|-------------------------|---------------------------------|
| 12     | PID-1    | Dispatch area | Silica           | Wheel loader<br>driver | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 1                               |

| Sr. No | Date    | Sample ID     | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|--------|---------|---------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1      | 23-1-24 | V/2301/SI 50  | Silica- Quartz      | Sanjay           | 09:25      | 14:37     | 312                            | 760        | 2.495                 | 778.44        | < 5 μg             | < 5 μg                          | NA   |
|        |         |               | Silica Cristobalite | Prajapati        |            |           |                                |            |                       |               | < 5 μg             | < 5 μg                          | NA   |
| 2      | 01-2-24 | V/0102/SI 122 | Silica- Quartz      | - Sam Naik       | 07:40      | 14:56     | 436                            | 701        | 2.48                  | 1084.33       | < 30 µg            | < 30 µg                         | NA   |
| 2      |         |               | Silica Cristobalite | Sam Naik         |            |           |                                |            |                       |               | < 5 μg             | < 5 μg                          | NA   |
| 3      | 01-2-24 | V/0102/SI 122 | Silica- Quartz      | Supil Praiapati  | 07:56      | :56 14:23 | 387                            | 363        | 2.43                  | 940.41        | < 30 µg            | < 30 µg                         | NA   |
|        |         | V/0102/5i 132 | Silica Cristobalite | Sunil Prajapati  | 07.50      |           |                                |            |                       |               | < 5 μg             | < 5 μg                          | NA   |

**V/2301/SI 50:** The employee was involved in wheel loader operation at the dispatch area. During the monitoring, he was involved in loading slag onto seven trucks, three of them being large trucks for 10 minutes each and five small trucks for 5 minutes each. Additionally, he loaded pigs onto two trucks for a total of 14 minutes. He was also involved in material stacking and screening for 4 to 5 hours and spent 1 hour loading screened material.

V/0102/SI 122: The employee was involved in wheel loader operation at the dispatch area. During the monitoring, he was involved in loading slag onto eight to nine trucks for 10 minutes each. Additionally, he loaded pigs onto two trucks for a total of 14 minutes. He was involved in pig screening for 2 hours.

V/0202/SI 132: The employee was involved in wheel loader operation at the dispatch area. During the monitoring, he was involved in loading seven trucks during a shift.

**Exposure source:** Dust was airborne in the area due to heavy vehicle movement.

Existing control measure: Cotton mask, enclose cabin



<u>Silica (TLV-TWA):</u> A total of three personal air samples of silica were collected in dispatch area to check personal exposure of wheel loader driver. Results of all the three samples of silica quarts and cristobalite was below the detection limit & the TLV-TWA as per the ACGIH and PEL-TWA of the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 1, indicating highly controlled exposure.

**Recommendations:** -



| Sr. No | Location | Area          | Chemical<br>name | Activity | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|---------------|------------------|----------|----------------------------------|---|-------------------------|---------------------------------|
| 13     | PID-1    | Dispatch area | Silica           | Helper   | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 4                               |

| Sr. No | Date    | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|--------|---------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1      | 23-1-24 | V/2301/SI 52 | Silica- Quartz      | Samir Gawas      | 09:09      | 14:28     | 319                            | 622        | 2.48                  | 792.715       | 0.0081             | 0.005                           | 2.86   |
|        |         |              | Silica Cristobalite |                  |            |           |                                |            |                       |               | < 5 μg             | < 5 μg                          | NA   |
| 2      | 25-1-24 | V/2501/SI 71 | Silica- Quartz      | Prem Pathak      | 08:13      | 14:28     | 375                            | 760        | 2 5 1                 | 2.51 918.75   | 0.0064             | 0.05                            | 3.03   |
| 2      |         |              | Silica Cristobalite | Prem Patnak      | 08:13      | 14:28     | 375                            | 760        | 2.51                  |               | < 5 µg             | < 5 μg                          | NA   |
| 3      | 30-1-24 | V/2001/SL02  | Silica- Quartz      | Compile Courses  | 07.54      | 11.00     | 272                            | (22)       | 2.40                  | 924.42        | 0.018              | 0.013                           | 2.78   |
|        |         | V/3001/SI 93 | Silica Cristobalite | Samir Gawas      | 07:54      | 14:06     | 372                            | 622        | 2.48                  |               | < 5 μg             | < 5 μg                          | NA   |

V/2301/SI 52: The employee was involved in multitasking jobs at the dispatch area. He sorted pigs, sprinkled water in the area, cleaned identification boards, and loaded pigs into trucks to maintain truck weight. Additionally, he loaded pigs into the wheel loader bucket for 30 minutes and mixed the pigs with other pigs.

**V/2501/SI 71:** The worker was involved in skull separation manually. The worker was also involved in skull screening, truck loading, and unloading. He separated the skull from two trucks and loaded one truck, and hipping was done four times in his 8-hour shift.

**V/3001/SI 93:** The employee was involved in multitasking jobs at the dispatch area. He spent 2 to 3 hours sorting pigs, sprinkled water in the area twice for 20 minutes each, cleaned identification boards, and removed pigs from trucks to maintain truck weight for 1 hour. Additionally, he provided weighbridge slips to truck drivers for the weighbridge operating person, giving a total of fifteen slips during the monitoring.

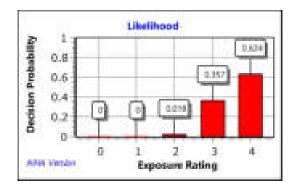
**Exposure source:** The source of exposure was the dust in the environment due to heavy vehicle movement in the area.

Existing control measure: -

Result and statistical analysis:



<u>Silica (TLV-TWA):</u> A total of three personal air samples of silica were collected in dispatch area to check personal exposure of the helper. Results of all the three samples were below the TLV-TWA of silica as per the ACGIH and PEL-TWA of silica as per the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 4, indicating poorly controlled exposure.



#### **Recommendation:**

• It is suggested to provide them respiratory protection of 5 APF and conduct respiratory fit test of the employees and provide them training on "Awareness on PPEs with Storage and maintenance of PPEs".



| Sr | r. No | Location | Area                      | Chemical<br>name | Activity     | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|----|-------|----------|---------------------------|------------------|--------------|----------------------------------|---|-------------------------|---------------------------------|
|    | 14    | PID-1    | BF-2 raw<br>material yard | Silica           | Truck driver | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 4                               |

#### Sampling data:

| Sr. No | Date    | Sample ID     | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m <sup>3</sup> ) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|--------|---------|---------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|--|--|
| 1      | 23-1-24 | V/2301/SI 53  | Silica- Quartz      | Dinesh           | 08:06      | 14:15     | 369                            | 363        | 2.49                  | 920.655       | 0.024              | 0.018  | 3.57   |
| 1      | 23-1-24 | V/2501/5155   | Silica Cristobalite | Gawrav           | 08.00      | 14.15     | 509                            | 505        | 2.49                  | 920.055       | < 5 μg             | < 5 μg                                       | NA   |
| 2      | 02-2-24 | V/0202/SI 130 | Silica- Quartz      | Babulal          | 07:47      | 14.20     | 393                            | 701        | 2.20                  | 954.99        | 0.0083             | 0.0067                                       | 3.57   |
| 2      | 02-2-24 | V/U2U2/SI 13U | Silica Cristobalite | Babulai          | 07:47      | 14:20     | 393                            | 701        | 2.36                  | 954.99        | < 5 μg             | < 5 μg                                       | NA   |
| 2      | 02-2-24 | V/0202/SI 131 | Silica- Quartz      | Rajesh           | 07:49      | 14:12     | 383                            | 760        | 2.47                  | 957.5         | 0.0062             | 0.0049                                       | 2.86   |
| 5      | 02-2-24 | V/0202/3I 131 | Silica Cristobalite | Bandekar         | 07.49      | 14.12     | 303                            | 760        | 2.47                  | 957.5         | < 5 μg             | < 5 μg                                       | NA   |

V/2301/SI 53: The employee was involved in truck driving at the BF-2 raw material yard. He had completed four trips (three at the BF-3 area and one at the jetty area, involving loading and unloading of materials) totalling 3 hours during monitoring. He kept his cabin door in close condition.

**V/0202/SI 130**: The employee was involved in truck driving at the BF-2 raw material yard. He had completed loading and unloading of 12 trucks during monitoring. He kept his cabin door in close condition.

**V/0202/SI 131:** The employee was involved in truck driving at the BF-2 raw material yard. He had completed loading and unloading of 15 trucks during monitoring. He kept his cabin door in close condition.

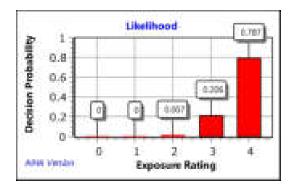
**Exposure source:** Dust was airborne due to heavy vehicle movement in the area but due to water spray in the area, airborne dust was less.

Existing control measure: Enclose cabin

Result and statistical analysis:



<u>Silica (TLV-TWA):</u> A total of three personal air samples of silica were collected in BF-2 sizer area to check personal exposure of truck driver. Results of all the three samples were below the TLV-TWA as per the ACGIH and PEL-TWA as per the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 4, indicating poorly controlled exposure.



#### **Recommendations:**

• It is suggested to provide them respirators with APF of 5, conduct respiratory fit test of the employees and provide them training on "Awareness on PPEs with Storage and maintenance of PPEs".



| Sr. No | Location | Area                      | Chemical<br>name | Activity | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|---------------------------|------------------|----------|----------------------------------|---|-------------------------|---------------------------------|
| 15     | PID-1    | BF-2 raw<br>material yard | Silica           | Spotter  | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 1                               |

#### Sampling data:

| Sr. No | Date    | Sample ID     | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|--------|---------|---------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1      | 23-1-24 | V/2301/SI 54  | Silica- Quartz      | Babal Gavkar     | 08:17      | 14:17     | 360                            | 701        | 2.51                  | 903.6         | < 5 μg             | < 5 μg                          | NA   |
| 1      | 25-1-24 | V/2501/5154   | Silica Cristobalite | Babai Gavkai     | 08.17      | 14.17     | 500                            | 701        | 2.51                  | 905.0         | < 5 μg             | < 5 μg                          | NA   |
| 2      | 01-2-24 | V/0102/SI 129 | Silica- Quartz      | Ramii Murmur     | 16:02      | 22:00     | 358                            | 622        | 2.55                  | 012 250       | < 5 μg             | < 5 μg                          | NA   |
| 2      | 01-2-24 | v/0102/5i 129 | Silica Cristobalite | Ramji Murmur     | 10:02      | 22:00     | 358                            | 622        | 2.55                  | 913.258       | < 5 μg             | < 5 μg                          | NA   |
| 2      | 01-2-24 | V/0102/SI 133 | Silica- Quartz      | Babal Gaonkar    | 08:01      | 14:25     | 384                            | 810        | 2.44                  | 936.96        | < 5 μg             | < 5 μg                          | NA   |
| 5      | 01-2-24 | v/0102/3i 133 | Silica Cristobalite | Babai Gaorikai   | 08.01      | 14.25     | 564                            | 810        | 2.44                  | 930.90        | < 5 μg             | < 5 μg                          | NA   |

V/2301/SI 54: The employee was working as spotter at the BF-2 raw material yard. He participated in the unloading of a total of seventy trucks during the monitoring, spending 1.5 minutes on each truck.

V/0102/SI 129: The employee was working as spotter at the BF-2 raw material yard. He participated in the unloading of a total of sixty trucks during the monitoring, spending 1.5 minutes on each truck.

V/0202/SI 133: The employee was working as spotter at the BF-2 raw material yard. He participated in the unloading of a total of forty trucks during the monitoring, spending 1.5 minutes on each truck.

**Exposure source:** Dust was airborne due to heavy vehicle movement in the area.

Existing control measure: No

Result and statistical analysis:



<u>Silica (TLV-TWA)</u>: A total of three personal air silica samples were collected in BF-2 sizer area to check personal exposure of truck driver. Results of all the three samples were below the TLV-TWA as per the ACGIH of silica and PEL-TWA as per the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 1, indicating highly controlled exposure.

**Recommendations:** -



| Sr. No | Location | Area       | Chemical<br>name | Activity | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|------------|------------------|----------|----------------------------------|---|-------------------------|---------------------------------|
| 16     | MCD      | Jetty area | Silica           | Helper   | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 1                               |

#### Sampling data:

| Sr. No | Date       | Sample ID    | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|--------|------------|--------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1      | 24-01-2024 |              | Silica- Quartz      | Lukash Sorel     | 15.20      | 21.57     | 388                            | 622        | 2.52                  | 978.342       | < 5.0 μg           | < 5.0 μg                        | NA   |
| 1      | 24-01-2024 | V/2401/SI 65 | Silica Cristobalite | Lukash Sorei     | 15:29      | 21:57     | 388                            | 622        | 2.52                  | 978.342       | < 5.0 μg           | < 5.0 μg                        | NA   |
| 2      | 25-01-2024 | V/2501/SI 70 | Silica- Quartz      | Mahesh           | 08:02      | 14.14     | 372                            | 810        | 2.48                  | 894.66        | < 5.0 μg           | < 5.0 μg                        | NA   |
| 2      | 25-01-2024 | V/2501/5i /0 | Silica Cristobalite | Gavkar           | 08:02      | 14:14     | 372                            | 810        | 2.48                  | 894.00        | < 5.0 μg           | < 5.0 μg                        | NA   |
| 2      | 25-01-2024 | V/2501/SI 72 | Silica- Quartz      | Manohar          | 07:59      | 14.15     | 376                            | 701        | 2.49                  | 932.48        | < 5.0 μg           | < 5.0 μg                        | NA   |
| 3      | 25-01-2024 | V/2501/51/2  | Silica Cristobalite | Chari            | 07:59      | 14:15     | 570                            | 701        | 2.48                  | 952.48        | < 5.0 μg           | < 5.0 μg                        | NA   |

**V/2401/SI 65**: The employee was involved in the cleaning of the barge with the help of a shovel. During the monitoring, the employee removed the pump at 7 o'clock due to the 12-hour shift and then reattached it at 7:10 o'clock after the shift change.

V/2501/SI 70: He was involved in the cleaning operation during monitoring. He cleaned the barge once and removed the cover, which was covering Jetty. He also did spillage cleaning, in which exposure was high. He also did valve operation activity for sometime.

V/2501/SI 72: He was working as a helper during monitoring. He did spillage cleaning during that time and removed the cover, which was on Jetty. The exposure was during spillage cleaning.

**Exposure source:** Cleaning is generating too much dust in the area.

Existing control measure: Cotton mask

#### **Result and statistical analysis:**

**Silica (TLV-TWA):** A total of three personal air silica samples were collected in jetty area to check personal exposure of helper. Results of three samples were below the TLV-TWA as per the ACGIH and PEL-TWA as per the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 1, indicating highly controlled exposure.



| Sr. No | Location | Area       | Chemical<br>name | Activity       | Total no of<br>samples collected | Total no of<br>samples having<br>higher results | ACGIH TLV-TWA           | IHDA<br>categorized<br>Exposure |
|--------|----------|------------|------------------|----------------|----------------------------------|---|-------------------------|---------------------------------|
| 17     | MCD      | Jetty area | Silica           | Valve operator | 3                                | 0   | 0.025 mg/m <sup>3</sup> | 1                               |

#### Sampling data:

| Sr. No | Date       | Sample ID     | Chemical            | Employee<br>name | Start time | Stop time | Total<br>duration<br>(Minutes) | Pump<br>no | Avg.<br>Flow<br>(LPM) | Volume<br>(L) | Results<br>(mg/m³) | TWA<br>concentration<br>(mg/m³) | The Indian<br>Factories Act<br>PEL(mg/m <sup>3</sup> ) |
|--------|------------|---------------|---------------------|------------------|------------|-----------|--------------------------------|------------|-----------------------|---------------|--------------------|---------------------------------|--|
| 1      | 25-01-2024 | V/2501/SI 69  | Silica- Quartz      | Gugda            | 09.12      | 14.17     | 205                            | 892        | 2.49                  | 002.2         | < 5.0 μg           | < 5.0 μg                        | NA   |
|        | 25-01-2024 | V/2501/5i 09  | Silica Cristobalite | Marandi          | 08:12      | 14:17     | 365                            | 892        | 2.49                  | 883.3         | < 5.0 μg           | < 5.0 μg                        | NA   |
| 2      | 30-01-2024 | V/3001/SI 92  | Silica- Quartz      | Gopal            | 07:46      | 13:56     | 370                            | 760        | 2.52                  | 933.325       | < 5.0 μg           | < 5.0 μg                        | NA   |
| 2      | 50-01-2024 | V/SUU1/SI 92  | Silica Cristobalite | Murmur           | 07.40      | 15.50     | 570                            | 760        | 2.52                  | 955.525       | < 5.0 μg           | < 5.0 μg                        | NA   |
| 2      | 01-02-2024 | V/0102/SI 123 | Silica- Quartz      | Sharpanch        | 07.21      | 12.51     | 380                            | 701        | 2.48                  | 933.28        | < 5.0 μg           | < 5.0 μg                        | NA   |
| 3      | 01-02-2024 | v/0102/5I 123 | Silica Cristobalite | Kisku            | 07:31      | 13:51     | 560                            | 701        | 2.48                  | 955.28        | < 5.0 μg           | < 5.0 μg                        | NA   |

V/2501/SI 69: He was involved in valve operation during monitoring. In the working environment, coal dust and particles were suspended in the air in large amounts. He sits exactly above the truck filling, which increases the exposure. He filled 30 trucks during that day.

**V/3001/SI 92**: He was involved in valve operation during monitoring. In the working environment, coal dust and particles were suspended in the air in large amounts. He sits exactly above the truck filling, which increases the exposure. He filled 50 trucks during that day.

V/0102/SI 123: He was involved in valve operation during monitoring. In the working environment, coal dust and particles were suspended in the air in large amounts. He sits exactly above the truck filling, which increases the exposure. He filled 80 trucks during that day.

**Exposure source:** Dust was airborne during fillingof the material into the truck.

Existing control measure: Cotton mask

Result and statistical analysis:



<u>Silica (TLV-TWA)</u>: A total of three personal air silica samples were collected in jetty area to check personal exposure of operator. Results of all the three samples were below the TLV-TWA as per the ACGIH and PEL-TWA as per the Indian Factories Act, 1948. The Industrial Hygiene Data Analysis (IHDA) statistical analysis tool categorized exposure as 1, indicating highly controlled exposure.

**Recommendations:** -



## 4. Abbreviations:

| Short form | Full form   |
|------------|---|
| ACGIH      | American Conference of Governmental Industrial Hygienists |
| AIHA       | American Industrial Hygiene Association                   |
| ABIH       | American Board of Industrial Hygienist                    |
| APF        | Assigned Protection Factor                                |
| BDL        | Below Detection Limit                                     |
| BL         | Blank   |
| СІН        | Certified Industrial Hygienist                            |
| ІН         | Industrial Hygiene  |
| MCE        | Mixed Cellulose Easter                                    |
| NRR        | Noise Reduction Rating                                    |
| NIOSH      | The National Institute for Occupational Safety and Health |
| OSHA       | The Occupational Safety and Health Administration         |
| LEV        | Local Exhaust Ventilation                                 |
| PEL        | Permissible Exposure Limit                                |
| ppm        | Parts per million   |
| PVC        | Polyvinyl chloride  |
| SIHS       | SHAH Industrial Hygiene Solutions                         |
| STEL       | Short Term Exposure Limit                                 |
| TIFA       | The Indian Factories Act                                  |
| 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 Vedanta Ltd, Sesa Goa.

**Report Prepared By** 

**Review By** 

Jay Suvagiya

SHAH Industrial Hygiene Solutions, Vadodara

Maulik Shah CIH

SHAH Industrial Hygiene Solutions, Vadodara



**Appendix 1: 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" (ABD#) credentialing division for initial certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

## Certified Industrial Hygienist\* (CIH\*)

The aforenamed 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: Award Date: Expiration Date: 12177 CP November 4, 2020 June 1, 2026

Cynthia Hanko, CIH Chair of the Board of Directors

Ulric K. Chung, MCS, PhD Chief Executive Officer and Secretary



## **Appendix 2: Calibration Certificates**

|  |   | Calibo                  | tion Certificate   |                                 |     |
|--|---|-------------------------|--|---------------------------------|-----|
| broad byp- TECHN   | OVISION ANALYTI   | CAL.                    | Certi  | ficate Net- TVA/CAL/PSP(202)-34 | 435 |
| Destemer Notes &<br>natroment Madel<br>erial No<br>fodal Nataber<br>Transver Vatilan | Address SHAH IND<br>Agen3 IS Pe<br>2018760<br>Apen2 IS St<br>313,007,61.0 | nood bengling<br>indeed |  | INS, VADODARA.                  |     |
| test Conditions:   |   |                         |  |                                 |     |
| femperature :-<br>tumidity:<br>https://<br>Calibration Date:-                        | apurC<br>21 %<br>D032.1 vetar<br>07/06/2025                               | Cal. D                  | er Owler - 09/09/20  | 24                              |     |
| est and Calibration  |   | ), Calibration D        |  | 5, :                            |     |
| iow Rate Accertany<br>Set Row Point  | Mexesared Rise<br>Fute (L/Min)  | Min                     | Armer L(miths(%))  | Status                          |     |
| Ve Printed.  | Soci  | .5%                     | 1255   | Pani                            |     |
|  | 1999  | -5%                     | 1000   | Part                            |     |
| 5500   |   | -346                    | +384   | Page                            |     |
| 0./Wex)<br>5500<br>4000<br>3000  | 3004  |                         | the second s | Post                            |     |
| 5500<br>4000<br>3000   | 2001  | -8%                     | 195  | Fon                             |     |
| 5500<br>4000   |   | P                       | 17%  | P-00                            |     |



|  |   | Calibre                       | dios Certificate  |                                      |         |
|--|---|-------------------------------|---|--------------------------------------|---------|
| unit lgs- TECH   | OVISION ANALYTI   | CAL                           | Certi   | firate Not-TVA/CAL/PSP/2025          | -24/034 |
| Castomer Name &<br>Instrument Model<br>Iorial Na<br>Hadel Namber<br>Fitzerner Vetsion          | Address SHAH IND<br>April 23 Pe<br>2018701<br>April 25 St<br>213 JUT 41.0   | caciaal Georgeling<br>inducti | GIENE SOLUTIO<br>(Pong                                    | INS, VADODAKA.                       |         |
| est Conditions-  |   |                               |   |                                      |         |
| Temperature :-<br>TemAlty:-<br>Westane:-<br>Calibration Date:-                                 | 30.8°C<br>22.55<br>5000.1 million<br>07/05/2023   | Call, D                       | er Data   08/09/20  | 24                                   |         |
| automent West  |   |                               |   |                                      |         |
| and the second   | a second s   | a second second second second | and the second state of the second state of the           |                                      |         |
|  | iene Collinetor (1791163  | t, Calification D             | on Date-11/12/202   | 3                                    |         |
| est and Gelforetion<br>loss Taily Actuality  | Insites   | L Californition D             | Error Denta(%)  | Status                               |         |
| nit and Celibration<br>Inst Adv Actuacy<br>Set flow Paint<br>(MUNIe)                           | Messiles<br>Messared New<br>Pate (M/Min)  | Mia                           | Error Dimita(%)   | Status                               |         |
| Instand Cellbration<br>Ion Sale Accessor<br>Sol New Paint<br>(MUMin)<br>5080                   | Mesulter<br>Medeured New<br>Rate (M/Min)<br>3003  | Min                           | Ever Limita(%)  | Status                               |         |
| est and Cellbration<br>Instant Accurate<br>Set flow Paint<br>(MUMe)<br>5000<br>4000            | Mesulter<br>Medeured New<br>Rate (M/Min)<br>3003<br>2998  | Min<br>-0%                    | Ever Dreta(%)<br>Mex<br>+2%<br>+2%                        | Status<br>Pasi<br>Pasi               |         |
| est und Cellbration<br>Instant Accuracy<br>Sol flow Paint<br>(MUMin)<br>5000<br>4000<br>3000   | Network Notes   | Min<br>-0%<br>-0%             | Error Dmita(%)<br>Mex<br>- (%)<br>- (%)<br>- (%)<br>- (%) | Pass<br>Pass<br>Pass<br>Pass<br>Pass |         |
| est and Celloration<br>Instant Accuracy<br>Set flow Paint<br>(MUMe)<br>5080<br>4080            | Mesulter<br>Medeured New<br>Rate (M/Min)<br>3003<br>2998  | Min<br>-0%                    | Ever Dreta(%)<br>Mex<br>+2%<br>+2%                        | Status<br>Pasi<br>Pasi               |         |
| Init and Calibration<br>Init Any Actuals<br>Set flow Paint<br>(MOVIII)<br>5000<br>4000<br>3000 | Manuface<br>Notes (M/Mint)<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell<br>Stell | Min<br>-0%<br>-0%             | Error Dmita(%)<br>Mex<br>- (%)<br>- (%)<br>- (%)<br>- (%) | Pass<br>Pass<br>Pass<br>Pass<br>Pass |         |



|  |  | Calib                      | ration Certificat        | •                                   |
|--|--|----------------------------|--------------------------|-------------------------------------|
| hand by- TECH  | NOVISION ANALY1                                | DCAL                       | Cé                       | etificate Net- TVA/CAL/PSP/2023-24/ |
| Castomer Name a<br>Bartensson Modal<br>Serial No<br>Model Number<br>Firmwary Version   | 2018822<br>Arec 19 5                           | ersonal Sanglia<br>include | /GIENE SCH.L/T<br>g Porg | ION3, VADODARA.                     |
| Test Conditions:-  |  |                            |                          |                                     |
| Temperatur ><br>Hamidity;-<br>Pressure:<br>Collection Date:-   | 30.3°C<br>11.35<br>5003.1 reflar<br>07/06/2023 | Cit #                      | ar Data := 05/05/2       | C14                                 |
| Equipment Used:  | 3  |                            |                          |                                     |
| Test and Calibration<br>From Sate Accuraty<br>Set Bow Point  | Resultz-                                       | Min                        | imor Lesta(%)<br>Mex     | Status                              |
| (MI/Min)   | Rote (MI/Min)                                  | 1.6%                       | 1.184                    |                                     |
| 5040   | 4004   | -5%                        | - 545                    | Pasa                                |
| 5060<br>4000   |  | -5%                        | +101                     | Pass                                |
| Contraction of the second seco | 1998   |                            |                          |                                     |
| 4000   | 390  |                            | -3%                      | Paia                                |



|  |  | Calibr                   | ation Certificate   |                            |         |
|--|--|--------------------------|---------------------|----------------------------|---------|
| numility:TECHE   | OVERON ANALYTI   | CAL                      | Cert                | ficate Net-TVA/CAL/PSP/202 | 9-31/02 |
| Customer Name &<br>Internet Model<br>Sertal No<br>Hadal Namber<br>Temprare Versian | Address SHAH (ND)<br>Apro2 15 Pr<br>1817363<br>April 25 St<br>233.007.61.0 | rional fangelin<br>maard |                     | INS, VADODARA.             |         |
| est Confitions:-   |  |                          |                     |                            |         |
| emperature :-<br>Iumidity:-<br>Tessare:-<br>alibration Date:-                      | 30.8°C<br>21.%<br>1003.1 mBW<br>01/01/2022                                 | CH. D                    | ue Date :- 08/09/20 | 24                         |         |
| guiament Used  |  |                          |                     |                            |         |
| est and Calibration<br>Iow Rate Accuracy<br>Sot flow Point                         | Measured Flow  | Min                      | Error GesterNI      | Status                     |         |
| (MIVMW)<br>Sitte   | Rate (MD/MIV)  |                          | 1996                |                            |         |
| 2000   | 3003   | -2%                      | 45%                 | Pass                       |         |
| 1000   | 2003   | -376                     | +5%                 | Page                       |         |
| 2000   | 1997   | -2%                      | 10%                 | Pici                       |         |
| ulibration don   | e hy:  | Þ                        |                     |                            |         |
|  |  |                          |                     |                            |         |
|  |  |                          |                     |                            |         |



|  |   | Calibe                                    | nion Certificate                              |                                |        |
|--|---|---|---|--------------------------------|--------|
| housed logi- TECUN   | OVESION ANALYTI   | CAL                                       | Cert  | firate No:- TVA/CAL/PSP/2023   | 24/031 |
| Instrument Model<br>Serial No<br>Madel Neather<br>Firmerson Vectors<br>Test Conditions<br>Test Conditions<br>Temperature :<br>Namigro-<br>Pressure :<br>Calibration Gates<br>Calibration Gates | 2018813<br>Aped 15 St<br>2121007-01.0<br>212<br>30.8°C<br>22 %<br>1003.1 milar<br>07/89/2023            | circuit Steeping<br>eaturd<br>0<br>Cail D | g Prang<br>at Date : 06/06/20                 | 24                             |        |
| 1 ARF  | and a support of the second   | Providence and the second second          | ce: Delle- 11/12/200                          | 3                              |        |
| Fest and Collination<br>New Sect Accurate  | dindts:   |   | Error Umits(%)                                |                                |        |
| Test and Dalibration<br>New Faits Activities<br>Set flow Faint   |   | Min                                       |   | 3<br>Status                    |        |
| Test and Calibration<br>New Ross Accuracy<br>Set New Point<br>((Mile)<br>5000  | Headte:<br>Heasured flow<br>Eate (L/Min)<br>5061  | Min<br>3%                                 | Error Umilis(%)                               |                                |        |
| Test and Calibustion<br>New Role Scouting<br>Set New Foliat<br>(1/Mic)<br>5000<br>4300   | Headts:<br>Heasured flow<br>Eate (J/Min)<br>506<br>2001   | Min<br>-5%                                | Error Umits(%)<br>Max<br>+5%<br>-5%           | Status<br>Pasi<br>Pasi         |        |
| Test and Calibustion<br>New Role Accuston<br>Set New Point<br>(1/Mic)<br>5008<br>4300<br>3808  | Heastered flow<br>Bate (L/Min)<br>506<br>2444<br>3002   | Min<br>-3%<br>-3%                         | Error Umits(%)<br>Max<br>+.0%<br>+.5%<br>+.5% | Status<br>Pass<br>Pass<br>Pass |        |
| Test and Calibustion<br>New Role Scouting<br>Set New Foliat<br>(1/Mic)<br>5000<br>4300   | Headts:<br>Heasured flow<br>Eate (J/Min)<br>506<br>2001   | Min<br>-5%                                | Error Umits(%)<br>Max<br>+5%<br>-5%           | Status<br>Pasi<br>Pasi         |        |
| Test and Calibustion<br>New Role Accuracy<br>Set New Point<br>(1/Mic)<br>5000<br>4300<br>3000  | Annalts:<br>Heasered flow<br>Ease (L/Max)<br>2444<br>2444<br>2444<br>2444<br>2444<br>2444<br>2444<br>24 | Min<br>-3%<br>-3%                         | Error Umits(%)<br>Max<br>+.0%<br>+.5%<br>+.5% | Status<br>Pass<br>Pass<br>Pass |        |





Plot No. 5365, Barkupada, Bhoir chowk, Ambernath (E), Thane, (Maharashtra) - 421501 Centadt : +91 839059 0406\* Email id : technovisionanalytical@gmail.com

Calibratian Certificate

Issued by- TECHNOVISION ANALYTICAL

Certificate Nei: TVA/CAL/PSP/2023-24/096

Castener Name & Address SHALLINDUSTRIAL HYGIENE SOLUTIONS, VADORIARA.

Instrument Model Serial No Firmware Versian

Flow Densive Plan 4304376 213-007.01.00

Text Conditions-

Temperature - 31.5% Humidity- 45 % Pressure- 3007.9 milar Calibration Date- 15/05/2021

Cal. Bue Date > 14/05/2004

Equipment Used:-

Air Flew Calibrator (1791163), Calibration Due Date - 11/52/2023 Appel/25916 (2251001), Calibration Due Date - 11/12/2023

Text and Calibration Results:

| New Rote Accuracy         | TE 5,670 TE                     |     | <ul> <li>Error Lineb(%)</li> </ul> |         |
|---------------------------|---------------------------------|-----|------------------------------------|---------|
| Set flow Point<br>(1/Min) | Measured flow .<br>Rate (L/Win) | Min | Max                                | Sharker |
| 5000                      | 5001                            | -3% | 4.5%                               | P 994   |
| 4000                      | 3999                            | -3% | +9%                                | Pasa.   |
| 1000                      | 2008                            | -3% | + 9%,                              | Paus    |
| 2000                      | 1998                            | -3% | 37%                                | Paul    |

Calibration done by:



GNEEN ( 27APZP19060E3ZN



÷



## TECHNOVISION ANALYTICAL

Med No. 5386, Barliopath, Bhuir charek, Ambarneth (E), Thans, Maharmethy) -67521 Gentaux : +91 839059 0409+ Email M : IsolmonteinementyCoel@gmeil.com

## Calibrative Certificate

Issued too: TECHNOVISION ANALYTICAL

Certificate No.- TVA/CAL/959/1815-20108

Conserver Passes & Address JAYREY AN ENDERINGING & PROCESSE TECHNOLOGY, IMARLEH, GUIARAT, Indevented Mindel April Or Period Sampling Parag Anna An 144893 Model Youther April 10 Sampling Fourier Version 217.007.01.00

#### TALLAND BOOK

| Perijanski en in | 1010           |
|------------------|----------------|
| BungBy-          | 35.5           |
| Pressure:        | 3000.0 million |
| Letterston Onte- | 10/07/0018     |

GA for been and water

Name and Address

At New Collector (1991) 635 Earlington for Date: 11/07/001

#### Tell and Californian Results:

| ten finte triticinis      | 10.50 feb.                       |        | Error Lineting Bill |       |
|---------------------------|----------------------------------|--------|---------------------|-------|
| teri fisw Paint<br>(1/Med | Manuscoil from<br>these (L/Mits) | Min    | Max                 | Batan |
| 500                       | 2001                             | -254   | 17%                 | Para  |
| 4000                      | 4001                             | -174   | 13%                 | Fam   |
| 1008                      | 1997                             | 1994   | 1.8%                | Tan   |
| 2008                      | 1994                             | - 1994 | 186                 | Final |



OSTEN: DAPZPYPHNIELDN

Sec.





He. 1016, Barkupada, Bisar chowk, Andorradh (F), Thana, (Maharashina) - 121801 Gontext : - 101 120800 Augu- Ewall of - sockessitationanalytical@gmail.com

#### Calibration Cortificate

hand by- TECHNOVISION ANALYTICAL

Certificate No-TVACAL/99/2023-24/08

Castomer News & Address (ASYRITAN ENGINEERING & PROCESS TECHNOLOGY, INFARUCH, OUTARAT, Service Middel April D. Personal Scoping Pring Service New SHORE Number April D. Standard Presencer Version 211.007 (21.56)

#### Test Carol Name:

| temperature -          | 31%          |                           |
|------------------------|--------------|---------------------------|
| Humidity               | 21.6         |                           |
| Presette               | 3806.1.mllar |                           |
| Californition, Beitter | 39/07/2018   | Gal Son Date - 26/07/2019 |

Renderment Condu-

An Pro-California (1791363), California the Intel (1212/2010)

#### Sense Celebration Results:

| Inter Auto Accuracy |                               |      | <ul> <li>time identity[N]</li> </ul> |       |
|---------------------|-------------------------------|------|--------------------------------------|-------|
| Set Row Paleit      | Manuared New<br>Page (1, Min) | Min  | Que.                                 | 30ros |
| 1900                | 4798                          | -376 | 1.5%                                 | Page  |
| 4000                | 4003                          |      | 1.000                                | Page  |
| 5000                | 3001                          | 194  | +414                                 | Pesa  |
| 799                 | 1998                          | -84  | 194                                  | Pers  |









Plat No. 1000, Bartspade, Bran sharek, Antiserath (E), Taana, (Matarastita) - 421087 Contact: +81 828038 0408 - Email of: Sectorsinineandydiai@great.com

Coldention Carolinate

Intelliging TECHNOMISION ANALYTICAL

Certilion Net TYACALITSP282524918

Casterier Name & Address IAYREYAN ENGINEERING & PROCEEN TECHNOLOGY, BHARLICH, GUARAT, Increased Multi-April 10: Prevent Sampling Party IALINE Name - April 10: Standard Hundel Nearber April 10: Standard Formary Version 21: 2017-21: 20

#### Text Catel Storage

| Teleperature 1-    | 1077        |
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Gal. Dax/Deta | 36/07/0004

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#### first and Californian Results.

| we fate Advants             |                |       | Tara Lesis N. |         |  |
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| Set New Point -<br>E-failer | Measured films | Min   | Man           | The set |  |
| 5/68441<br>2006             | 1.8002         | 10%   | 147%          | Page 1  |  |
| 4009                        | 8/011          | 1994  | +8%           | Para    |  |
| 2000                        | 2989           | -5%   | 4.0%          | Pee     |  |
| 3000<br>3600                | 2001           | 1.000 | 1496          | Page .  |  |



COTEN : ITAPZPYPHUE IZN





Plat No. 5245, Barkopada, Broir shawk, Anibarrath (E), Thana, (Maharashmi) - 421521 Contact : 491 55855 (604 - Email 4) (achaeckierusraytteck)geneil.com

#### California Certificate

Inset to: TECHNOMISCH AMALYTICAL

Cartilloute No: TVACAL/PERIED-24947

Canoner Name & Address IA/VEIXAN UNLINEERING & PROCESS TECHNOLOGY, BRARDCH, OLIVARAT, International Model April 18 Personal Sampling Party Senial No. 1434719 Budet Number April 18 Research Reporter Version 211.007.01.00

#### Test Candillions

| Temperature          | 807           |                              |
|----------------------|---------------|------------------------------|
| inumidifier-         | 21.94         |                              |
| Report to the second | 1004.1 miller |                              |
| Californian Date:    | TRAVOURI      | Gal. Bun Date 1: 34/87778294 |
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favorent theft.

At Free California (1791240), Galiforniae Das Term (12/12/1819)

#### Test and Californian menulty:

| iner Kene Auswittige |                                |      | Barro permitte |        |  |
|----------------------|--------------------------------|------|----------------|--------|--|
| Int Row Point        | Managed Figure<br>Rate 5,76814 | Ma   | Alas           | Pater  |  |
| 1800                 | 4994                           | - 5% | 1779           | Page . |  |
| 4000                 | 4991                           | -8%  | 1996           | Pase   |  |
| 2046                 | 1001                           | - 5% | 1876           | Tata   |  |
| 100                  | 1997                           | -8%  | 1996           | P (a)  |  |



GSTIN: TAPZPYRADEL2N





Med No. 1285, Barburnets, Biotr objeck, Amberrark (E), Thans, (Makarashted - 421881 Contect - 491 K28888 6489- Enail M.: technocikismunic/thursgapeal.com

Californian Certificate

hand by TECHNOVIERON ANALYTICAL

Certificate No: TVA.CAL/PSR0803-04911

Contrainer Naules & Additions IAAVERT AN EINGENEEREING & PROCEESS TECHNOLOGY, BRABLICH, DOAARAT, Locassment Model April 15 Persons Gampling Party Sachal Namher April 18 Standard Eingenzer Versten 213-007-01-00

#### Test Genillinesia

| Forgerstate -      | 100          |                             |
|--------------------|--------------|-----------------------------|
| manifest-          | DW .         |                             |
| Presente           | 30003 with 1 |                             |
| Ealbortier Batter- | 31/97/2020   | Cal. Des State - 24/03/3034 |

failurent that

An Yes Calentin (1791187), Calentine Tex Date (1212)/0019

#### Test per Calibration Results-

| in the Academy |                               |     | A mare in second Pill. |       |
|----------------|-------------------------------|-----|------------------------|-------|
| Ext New Point  | Museured from<br>Rate (L)Min) | Min | Mos                    | BIRA  |
| 1000           | 1997                          | -8% | 19%                    | Page  |
| 6805           | +003                          | .8% | +8%                    | Fam   |
| 2004           | 3400.0                        | -8% | +975                   | 740   |
| 204            | 1998                          | -84 | 19%                    | fram. |



GREW - DAPZPYROBELZN



## Appendix 3: Laboratory Results:



INV Later Jole #: 04636377 Report Date: 001/210/2024

SHAH industrial Highere Solutions Given Project # IBOAW24

#### ANALYTICAL RESULTS

| Chant III VYTAT/1401<br>BY Labor III TyTATA<br>Date Sampled: 81/13/3824 |            |                        |       |           | Mallin<br>Sample Media<br>Air Valuere (1) | AF<br>PVE-Ingence Sam Taxed<br>1924 |
|---|------------|------------------------|-------|-----------|---|-------------------------------------|
| ANALYTE   | Mara<br>Ag | Consentration<br>og/m3 | 160   | 11.<br>18 | Test Method                               | Dem<br>Avalyzed                     |
| Quetz   | U          | 36                     | 1.2   | 1.0       | 160301 2500                               | 00/23/2024                          |
| EntributioNellie  | (5.8       | 46.8                   | -45.8 | 2.0       | NO94 7508                                 | 60/25/2004                          |
| Total (Quart) and Distributing  | 12         | -18                    |       | - 10      | NONY 2001                                 | 00,729/2004                         |
| RL - Naparting Linea:   |            |                        |       |           |   |                                     |

| Chiert Max V/1200/1000<br>BY Labor D1 NU 1942<br>Date Samphed B1/17/3034 |      |                         |        |          | Matrix<br>Sample Minika<br>Ar Weisens (1) | Ar<br>PVC Bytester Sales Tarlest<br>200,316 |
|--|------|-------------------------|--------|----------|---|---|
| ANNATTE  | Man  | Constitution<br>Lap/mit |        | н.<br>че | Test Method                               | Date<br>Analysed                            |
| Ouiwtz   | 8.7  | 11                      | 0.9    | 5.0      | PERSON 2500                               | 03/23/2034                                  |
| Oriztokalite   | -5.0 | 43.8                    | -43.40 | 5.0      | W059 7500                                 | 69/28/2004                                  |
| Yotal (Quarts and Cristellalitie)  | -418 | -114                    | 21222  | 20       | 160594-7508                               | 63/26/2034                                  |
| R), + Reporting Limit  |      |                         |        |          |   |   |

| Chines (B) VVC200/16 (B)<br>BVC Laike (B) VCE214 (B)<br>Diate Sampled (B)/11/2024 |            |                         |        |      | Mattin<br>Sample Miska<br>Ar Milane (1): | Av<br>PVE3 prove have Tarrel<br>SIER 76 |
|---|------------|-------------------------|--------|------|--|---|
| ANALYTE   | Massi      | Concentration<br>ag/mit | 1963   | 14   | Test Method                              | Dates<br>Availyind                      |
| Ouertr  | 13<br><1.0 | 10<br>658               | .18    | 3.0  | M0917500                                 | 00/23/2004                              |
| Cristobalite  | <5.0       | 45.8                    | 43,401 | 50.  | 5805917588                               | 03/73/2004                              |
| Total (Quality and Oristellalitie)  | - 13       | - 10                    |        | - 40 | Neples 7580                              | 01/20/2014                              |
| RL - Neparting Limit  |            |                         |        |      |  |   |

| Chantils V/1700/1604<br>BY Labor D1 VL/1766<br>Data Samphon BL/11/1808 |            |                        |        |           | Matrix<br>Sample Minika<br>Air Valume (1) | Ar<br>PVE. Transit Tarrel<br>Bild. 13 |
|--|------------|------------------------|--------|-----------|---|---------------------------------------|
| ANAL YTE   | Manu       | Concentration<br>ag/m3 |        | is.<br>Ag | Test Methad                               | Dane<br>Analysmi                      |
| Guarty .   | 164        | 15.2                   | 49.52  | 3.6       | MI05H 7100                                | 08/23/2004                            |
| Orivitobalite  | +58<br>+58 | 65.3                   | -61.50 | 5.0       | MIG5H 7580                                | 62/23/2034                            |
| Total (Querts and Cristolialite)                                       | 418        | e13                    |        | 10        | Net3et 7500                               | 63/23/2004                            |
| RL > Reporting Limit   |            | 10.0                   |        |           |   | 100212-01                             |

Annual State Annual Annual State (1994) Annual at 11, April 149 (1871)

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| Clover (D)<br>BY Lake (D)<br>Data Lacquied: | W12012030<br>112748<br>81/1272829 |              |                        |         |            | Marrie<br>Sample Minika<br>der Velame (L) | Ale<br>PVEJ sieze Lien Tienel<br>927.38 |
|---|-----------------------------------|--------------|------------------------|---------|------------|---|---|
| NACTE                                       |                                   | Mares<br>146 | Ennormation<br>agricul | 1.      | 81.<br>142 | Test Method                               | . Eutre<br>Analyzinst                   |
| Chiefu -                                    |                                   | 44.8         | 45.4                   | - 40.00 | 5.8        | HIGHN THOSE                               | 62/26/2026                              |
| Origital allow                              |                                   | -6.0         | +5.4                   | 48.80   | 5.8        | NUMPER PROF.                              | 03/25/2020                              |
| Total (Quarte a                             | ed Cristoladini                   | 310          | 41                     |         | - 30       | 1003112500                                | 09/25/2004                              |
| Ri, - Angeoding                             | 128-8                             |              |                        |         |            |   |   |

#### Annual Architecture and Apple Science and Apple

 $\operatorname{Rep}(t_{1}(t_{1}))$ 

| Claver (D. V/1201/1008)<br>BY Lake (D. 31/1746)<br>Date Samuloit (11/17/2024) |      |                         |       |            | Marrie:<br>Sample Minika<br>die Volume (S) | An<br>PVC Raince Sam Tanel<br>SETT SA |
|---|------|-------------------------|-------|------------|--|---------------------------------------|
| AVALITE   | Matt | Conventration<br>ag/rsi | 1.40  | 14.<br>141 | Tau Methol                                 | Earre<br>Analyzest                    |
| Quarte  | 67   | 6.2                     | 2.1   | 1.0        | INCOME 250E                                | 00/20/2004                            |
| Ghdokałtw   | 45.8 | 44.6                    | 41.50 | - 636      | HEREN 2508                                 | 02/33/2034                            |
| Total Obserts and Originality   |      | 49-3                    |       | - 34       | 100947308                                  | 03/74/2008                            |
| N Reporting Used  |      |                         |       |            |  |                                       |





SHAH mikettal Highere Schiltens Gine Project # 1002AN24

AMALYTICAL RESULTS

| Chand Dis VYY703/3609<br>DV Lako dis NyY705<br>Data Sangdoot 31/13/3624 |      |                          |      |           | Massie<br>Sangte Minike<br>Air Valuine (S) | Ar<br>PVC-3 perce form Tarrel<br>#98.13 |
|---|------|--------------------------|------|-----------|--|---|
| NAME VTE  | Mass | Concentration<br>og/will | 1963 | 14.<br>14 | Test Method                                | Dene<br>Avalyzed                        |
| Durantar  | -00  | +33                      | 10.0 | 20        | HIDEK 2506                                 | 80/23/2024                              |
| Crivitobalitie  | (0.0 | 45.6                     | 40.0 | 1.0       | NOTEN PLOT                                 | 03/25/2004                              |
| Total (Obart): and Distributive   | 496  | 4:09                     |      | 14        | HEDRIG THOSE                               | 01/20/2019                              |
| RL - Naparting Limit  |      |                          |      |           |  |   |

| Chines Mar Wy 2012/10 MB<br>BN Lates Mar HU (1981<br>Daries Samphod: 101/11/10004 |      |                          |          |     | Mattin<br>Server Minika<br>Ar Vetoria (1) | An<br>PVC Bigmon Sales Tarlest<br>BigD_24 |
|---|------|--------------------------|----------|-----|---|---|
| ANNUTTE   | Man  | Concentration<br>Leg/mit |          | 10  | Test Method                               | Date<br>Areiysed                          |
| Ouertz  | (6.0 | -5.5                     | 10.00.00 | 10  | NRC5H 7580                                | 03/73/2034                                |
| Orietokalite  | 45.8 | 25.5                     | 10.0     | 5.0 | 1005/07506                                | 00/21/2004                                |
| Yotal Observational drivenillations   | <10  | 411                      | 0.052    | 387 | NOTAL PSIGN                               | 63/75/2004                                |
| R), + Reparting Limit   |      | 1.00                     |          |     |   |   |

| Chined US - WY276027633<br>NY Lobin US - YEF753<br>Darks Torrophysi - XE7737028 |                      |                        |      |          | Makin<br>Sample Media<br>Air Miltoren (1.) | Ar<br>PVC-8 games form Tarmet<br>BRRAS |
|---|----------------------|------------------------|------|----------|--|--|
| MAN,VTE   | Maria                | Concernention<br>ag/m3 | 1963 | 83<br>14 | Test Method                                | Deter<br>Acutyrist                     |
| Ouertz  | <1.0<br><1.0<br><1.0 | <6.8                   | +0.0 | 2.0      | NID91 7500                                 | 03/23/2034                             |
| Cristobalite  | <5.0                 | <5.8                   | +0.8 | 1.0      | HID94 7500                                 | 60/21/2004                             |
| Total (Qualify and Oristellative)   | - C10                | 413                    |      | 10       | NONY 2008                                  | 01/20/2014                             |
| R1 - Asperting Limit  |                      |                        |      |          |  |  |

| Chiest M2                        |      |                        |      |          | Makin<br>Sampis Misika<br>Air Valame (1) | Ar<br>PVC Symmer Sure Tarred<br>BEALA |
|----------------------------------|------|------------------------|------|----------|--|---------------------------------------|
| ANALISTE                         | Mare | Consentration<br>ag/m3 |      | н.<br>46 | Test Method                              | Date<br>Analyzed                      |
| George                           | -0.1 | 1.3                    | 3.0  | 5.0      | February 7500-                           | 00/23/2004                            |
| Oristobalite                     | -6.8 | e\$.7                  | -6.7 | 5.0      | W058 7500                                | 62/21/2024                            |
| Total (Guartz and Cristellalite) | 418  | 215                    |      | - 10     | NE059 2508                               | 60/21/2004                            |
| RL > Separting Limit             |      | 2014                   |      |          |  | 100212-01                             |

Insuration for the Insurance of the Insurant St. And. M. 1877.

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Developmental Pagiere Schatters Giere Project # 1922/A024

ANALYTICAL RESULTS

| Chanel (0)<br>(IV Lake (0)<br>Data Sarnydogi | 9/180/1918<br>91/1958<br>81/18/1824 |      |                |      |     | Mattin<br>Sample Omika<br>Ar Valume (S) | Ar<br>PVE 8 perce form Taxed<br>BBR/VE |
|--|-------------------------------------|------|----------------|------|-----|---|--|
| ANALATE                                      |                                     | Mass | Concernt adore | 1.66 | 14  | Text Method                             | Dem<br>Analyzed                        |
| Guetz  |                                     | 6.0  | 6.7            | 14   | 3.8 | HIDS/4 75.00                            | 00/23/2004                             |
| Cristobalite                                 |                                     | (5.8 | 45.6           | 10.9 | 540 | 70050(7506)                             | 83/73/2004                             |
| Total (Observate)                            | ed transition                       | -210 | 413            |      | 23  | werst Here.                             | 01/20/2014                             |
| <ol> <li>Mappinting</li> </ol>               | Gee .                               |      |                |      |     |   |  |

| Cheerints WY900/16.04<br>IN/Laborits VLF/Soc<br>Easter Samphone HT/SN/2020 |      |                          |      |     | Matrix<br>Turigin Minika<br>Ar Valure [1] | Ar<br>PVED gener Sam Tarmi<br>BRURE |
|--|------|--------------------------|------|-----|---|-------------------------------------|
| ANALYTE  | Man  | Lancentration<br>Agricat | -    | 14  | Test Method                               | Danse<br>Analysied                  |
| Okortz   | 34   | - 17                     | . 11 | 5.2 | WOSK ISSS                                 | 69/23/2034                          |
| trivioladile   | 38   | 38                       | 3.8  | 5.0 | WICEN THOSE                               | 60/23/2004                          |
| Total Classific and Cristolialitie)  | 10 · |                          |      | 10  | Antonia 7500                              | 00/23/2009                          |
| RL + Separting Limit   |      |                          |      |     |   |                                     |

| Chever (D. W1900/2015<br>199 Luke (H. 1917/25<br>Darke Sampledi (H716/2012) |      |                          |     |            | Matrix<br>Sample Median<br>Ar Volume (1): | An<br>PVCS-game Sam Tamel<br>840.53 |
|---|------|--------------------------|-----|------------|---|-------------------------------------|
| ANALYTE   | Mass | Concentration<br>agliest |     | 95.<br>Aug | Test Method                               | Dame<br>Analyzerid                  |
| Guarts  | 10   | 30                       | 1.0 | 5.6        | NICH 25DE                                 | 00/70/2004                          |
| Entricitation   | 10   | 38                       | 3.4 | 5.0        | 140394 2MD0 -                             | \$3/20/2008                         |
| Total (Quarte and Orisislavita)   | 12   | 30                       |     | - 30       | MONR 2540                                 | 00/25/2004                          |
| HL - Reporting Limit  |      | 1111                     |     |            |   |                                     |





SHAH mikettal Highere Schillens Gine Project # 1002AN24

ANALYTICAL RESULTS

| Chand III VYURO/YU IY<br>RV Lako RI YUFYY<br>Dada Langdodi III/IR/IIC7A |      |                        |      | 4        | Mattin<br>Langte Media<br>Ne Kolamo (1.) | Ar<br>PVE.h perce Sare Tarent<br>1115-31 |
|---|------|------------------------|------|----------|--|--|
| RAINLYTE  | Mara | Concentration<br>og/e0 | 1.63 | 14<br>14 | Test Maritod                             | Dem<br>Analyzed                          |
| Duartz  | - 24 | 11                     | 1.7  | - 10     | NO35 7566                                | 60,725/2034                              |
| Crivitobalite   | 420  | -128                   | 43   | 28       | 100750 7100                              | 03/25/2004                               |
| Todal Officiants and Dricto-Balltini                                    | 440  | -06                    |      | - 440    | 1002104 21600                            | 0170/2004                                |

| Chines Ida — 4/1 BOLUCIA DA<br>BV Laine IDL — 1947 Fait<br>Data Tarryshol, - 05218/2003 |       |                 |       | Mattin<br>Jacopie Viella<br>Ar Volume (1) | Ar<br>PVE Egimer Suit Tailed<br>899-15 |
|---|-------|-----------------|-------|---|--|
|   | Mana  | Concentration : | - M.: | 100000                                    | Date                                   |
| ANIAL TTE   | 100   | regima          | 148   | Test Method                               | Analysed                               |
| Cartery (Reck)  | 20000 | 12              | 50    | M05H 3090                                 | 83/26/2034                             |
| RL - Reporting Lorat  |       |                 |       |   |  |

| Classifields 6/73803/30-18<br>Bir Lako III - 516739<br>Date Langebeel - 81/7367004 |            |                      |      |      | Maktive<br>Teoregite, Menditer<br>Air Makerne (L) | At<br>Pyt2 3 genre hare Tarted<br>W40.91 |
|--|------------|----------------------|------|------|---|--|
| AKALVTE  | Man<br>Vit | Ennormation<br>Ag/m3 | 1    | 14   | Test Method                                       | Den<br>Analyzed                          |
| Gentz  | 19         | 45                   | -23. | -5.0 | N05H 7509   | 60/23/2034                               |
| O installe   | 6.0        | 45.4                 | -0.7 | 3.2  | NOS1 7508   | 63/25/2034                               |
| Total (Quert) and Chitakalited   | 19         | 11                   |      | 10   | MICH 2500   | 10,71,9004                               |
| RL - Reporting Const   |            |                      |      | _    |   |  |

| Clavel ID. V/1401/9-30<br>IIV Lake ID. 11F760<br>Date hamaled: 11/14/3028 |            |                          |       |      | Makin<br>Serepis Media<br>Air Volume (11 | An<br>PNE brainine baier Tarreal<br>NOLAD |
|---|------------|--------------------------|-------|------|--|---|
| ANKLYTE   | Mass<br>14 | Concerninghow<br>Japansa |       |      | Test Method                              | Date<br>Analyzed                          |
| Chiefty   | -5.0       | +8.4                     | 0.010 | 14   | TROOM THOSE                              | 60,721/2036                               |
| Ortunobattim  | -65.0      | -(3,4                    | 10.8  | 3.0  | NO184,750E                               | 03/23/2034                                |
| Total OGuarts and Orimitality   | (10)       |                          |       | - 30 | MID191 2508                              | 00/21/2034                                |
| RL - Depending Limit  | - Carlotte |                          |       |      |  |   |

Instancial Industrial Academics in 1998 (Academics, Industrial March)

Partiti





DMH industrial Higglane Solidiana Client Project # 1604A024

ANALYTICAL RESULTS

| Clianet SD:<br>RV Laille HD:<br>Dathe Samsarkeit | 9/18/0710-07<br>91/15/7<br>11/18/1024 |      |                           |      | - 3  | Aattin<br>Langele Allesta<br>Groupsen (11) | Ar<br>PVCR proce lives Tarret<br>1115-31 |
|--|---------------------------------------|------|---------------------------|------|------|--|--|
| NALITE   |                                       | Mass | Concernit whom<br>ogg/mit | 1.6  | 14   | Tast Method                                | Date<br>Analyzed                         |
| Overty.  |                                       | 10   | -11                       | 5.2  | - 20 | HICOH 7500                                 | 10/21/2044                               |
| Drockelite .                                     |                                       | 428  | 10                        | 43.8 | . 16 | 1001017500                                 | 60,725/2004                              |
| Total (Opainte                                   | and Chilleballini                     |      | -06                       |      | 10   | W06K7500                                   | 00/33/2009                               |
| R) - Nepertry                                    | Limit                                 |      |                           |      |      |  |  |

| Charrolds V/1902/9/29<br>BV Lake 30 - 912763<br>Date Caregood: 81/1909/04 |       |                          |          |           | Marce:<br>Sample Mailla:<br>Ar Valane (S) | Av<br>Pvt. 8 ginos San Tanel<br>872.38 |
|---|-------|--------------------------|----------|-----------|---|--|
| RAALISTE  | Mann  | Concentration<br>lag/mit | 8.<br>16 | ffL<br>14 | Test Method                               | Deter<br>Analyzet                      |
| Over12  | 45.0  | -6.7                     | 1.101.4  | -3.0      | PROFILE THOSE                             | 03/25/2034                             |
| Ortytoballia  | 0.000 | 41.7                     | 41.6     | 3.0       | W02087500                                 | 60/25/2034                             |
| Total (Quarts and Crisishalitin)  | -010  | 44                       |          | 10        | . tel2ipi 2500                            | 03/35/2004                             |
| Rt - Reporting Land   |       |                          |          |           |   |  |

| Channais sy'r Milyfal 24<br>My Labor DD Hard Dian<br>Data Swrighedi DL/TA/1024 |      |                             |       |          | Maktin<br>Soropie Meillie<br>Ar Volume (1) | Air<br>PVC II gisco Sure Tarrel<br>925-19 |
|--|------|-----------------------------|-------|----------|--|---|
| RAALUTE  | Mass | Concernit attorn<br>Lag/est |       | NL<br>NE | Test Method                                | Dutte<br>Analyzed                         |
| Quiw11   | 45.8 | 45.4                        | 3.43  | 3.0      | HICTH PROD.                                | 03/29/2004                                |
| Crivicitalita .  | 2658 | 45.4                        | 1.1.3 | 3.8      | 9405917500                                 | 09/25/2004                                |
| Total Obserts and Distribution   | 410  | 11                          |       | 36       | W000 2500                                  | 63/25/2034                                |
| R1 - Neporting Lonit   |      |                             |       | _        |  |   |

Instantion for from Association, 12740 Nuclear Str., Nam. 30, 18777.

Page 2 (44)





SHARINGLEETIN Highers Solutions Steel Project # 1966/AG1

ANALYTICAL RESULTS

| Chinese talle<br>NY Luiss (CL<br>Dieter Currendeni | WYWEPE 26<br>910765<br>81/10/10/4 |       |                        |        |         | Mattic<br>Gample Amilia<br>Ar Volume (1): | Ar<br>PVC3 peop form Taxet<br>846.78 |
|--|-----------------------------------|-------|------------------------|--------|---------|---|--------------------------------------|
| NANTE  |                                   | Mass  | Concentration<br>og/m3 | 1.60   | н.<br>ч | Test Method                               | Ducer<br>Analyzett                   |
| Genety.  |                                   | -5.8  | 45.5                   | - 43.3 | 3.0     | BK20H 2500                                | 03/25/2038                           |
| Drivin/kellie -                                    |                                   | (d.8) | (5.3                   | 11.3   | 5.8     | W00997500                                 | 0723/2034                            |
| Telef (Operte                                      | and Christelitet                  | #10   |                        |        | 316     | W0047500                                  | 00/33/2004                           |
| R) - Separting                                     | Link                              |       |                        |        |         |   |                                      |

| cheet Gr 9/1200/19.26<br>Bylane GC 911798<br>Bate Langdoot 91/19/1604 |            |                          |      |            | Mahts<br>Sangie Modes<br>Ar Villane (1): | AV<br>PVED piece Sam Tamé<br>142.74 |
|---|------------|--------------------------|------|------------|--|-------------------------------------|
| ANALYTE   | Mars<br>1g | Concertration<br>agrived |      | 10.<br>142 | Test Method                              | Dune<br>Analyzed                    |
| Charts  | +5.0       | c5.3                     | <1.3 | 3.5        | REDIN 7400                               | 03/21/3034                          |
| Divisialize   | -0.0       | 15.5                     | 43.3 | 3.0        | W038 7500                                | 03/23/2034                          |
| Total (Quarts and Cronobattor)  | e10        | 40                       |      | 3.0        | MID:04 7508                              | 00/21/2004                          |
| 6 Averanting Const.   |            |                          |      |            |  | UU_U                                |

| AND : | Lanorethelion   |                   | 16.                       | 0.000                          | Earte   |
|-------|-----------------|-------------------|---------------------------|--------------------------------|---|
| -     | 100/001         |                   | - 19                      | Test Mathael                   | Anisysmi  |
| 10    | -11             | 2.0               | 1.8                       | ARX54 7500                     | 00770/2004  |
| S811  | 64.8            | 13.61             | 1.6                       | INDOH PSRI                     | 00/21/2006  |
| 0     | -13             |                   | 30                        | - NOTH 2500                    | 03/25/2034  |
|       | 10<br>5.0<br>10 | 13 14<br>5.0 64.0 | 13 11 20<br>5.0 46.3 43.0 | 13 11 23 L8<br>5.0 443 12,0 18 | 13 11 2.0 LB NOXH 7500<br>1.0 42.3 43.0 1.0 NOXH 7500 |



| Cheer (D. V/20039-XI)<br>BV Lake (D. 190737)<br>Date Sampledi (D./1357824) |      |                            |      |          | Mattin<br>Sample Media<br>Ar Volume (1) | Av<br>PVC 3 genog 3 am Tarmet<br>9,36 43 |
|--|------|----------------------------|------|----------|---|--|
| ADM_MTE  | Mess | Concernitration<br>log/en3 |      | н.<br>16 | Tast Method                             | Date<br>Analyzed                         |
| Gastr  | 53   | 6.1                        | 2.5  | 5.0      | 16050 2508                              | 00,71/2004                               |
| Gitviotalim  | 45.0 | -05.4                      | 01.5 | 1.0      | H00/er 2500                             | 00/20/2004                               |
| Total (Quanty and Cristolisation)  | 348  | 10                         |      | 10       | 10099-2500                              | 00/26/2008                               |
| RL + Reporting Limit   |      |                            |      |          |   |  |

| Churri ID W1903/3-33<br>IV Leho ID 91/771<br>Data Sampled: 01/19/3034 |            |                    |      |            | Mattix<br>Sergele Modile<br>Ar Volume (1) | Ar<br>PVC3-pixed Sam Tareat<br>349.44 |
|---|------------|--------------------|------|------------|---|---------------------------------------|
| ANALYTE   | Mans<br>1g | Carsers shoe agind |      | 74.<br>140 | Test Method                               | Date<br>Analyzed                      |
| Osarta  | -5.4       | <5.3               | 43.0 | 8.0        | NO54 7500                                 | 62/25/2034                            |
| D to to be allow  | 15.0       | 15.5               | +1.0 | 3.8        | 400514 7500                               | 02/21/2004                            |
| Total (Gaarts and Crimstalita)  | -(10)      | -11                |      | 30         | N0.947500                                 | 01/25/2034                            |
| R) + Reporting Limit  |            |                    |      |            |   |                                       |

| Clivert (b. 1973) 93<br>(9) Lelio (b. 1973)<br>Outo Langebert (1/19/30)4 |             |                          |       |     | Matta<br>Sangte Mada<br>Ar Volame (U) | AV<br>PVC 3-pixed Sam Tarest<br>S27,42 |
|--|-------------|--------------------------|-------|-----|---------------------------------------|--|
| ANALYTE  | Marso<br>He | Carametration<br>agricul | (m)   | 10  | TracMethod                            | Date<br>Analyzed                       |
| Guarts   | 44.4        | 43.4                     | 145.0 | 5.0 | 100547500                             | 63/21/3034                             |
| Drivitobalitie   | 16.0        | 93.4                     | -6.8  | 5.6 | NIGSH 7580                            | 02/21/2004                             |
| Tokal (Quants and Chinakalter)   | +10         | 411.                     |       | 30  | N0547500                              | 01/73/2004                             |
| RL + Reporting Umit  |             |                          |       |     |                                       |  |

Annual Sciences and Annual States of South States and States

Auge States



IV Later Jole #, C4E3677 Report Date: 00/21/21/2104

WWF industrial regimes locations Given Project # 35024904

ANALYTICAL RESOLTS

| Chand III<br>BV Lake (III<br>Data Sartipled | 9/180/14 34<br>91/173<br>1 81/13/3524 |            |                         |       |           | Matter<br>Samate Media<br>Ar Valume (1) | Av<br>PVERamor Sam Taxed<br>#56.11 |
|---|---------------------------------------|------------|-------------------------|-------|-----------|---|------------------------------------|
| NON YTT                                     |                                       | Mass<br>Ng | Concentration<br>og/mit | 1963  | 11.<br>14 | Test Martine                            | Earne<br>Arail prod                |
| Chartz                                      |                                       | - 45.8     | <5.8                    | 0.000 | 1.0       | 8/05/17500                              | 00/23/2004                         |
| Cristobalite .                              |                                       | -5.0       | -05.8                   | -45.8 | 5.8       | WOM THE                                 | 10/20/2024                         |
| fotal (Classife                             | and Cristellation)                    | -440       | 100                     |       | 1.0       | AUDIH TYOU                              | 03/20/2008                         |
| lt, - Repartin                              | glant                                 |            |                         |       |           |   |                                    |



| Clivertilt:<br>IN Labo ID:<br>Date Sampled | 9/0002/9536<br>92/736<br>01/26/2024 |      |                         |       |           | Hatton<br>Sampin Minika:<br>Air Maharon (11) | Ale<br>PVC II piece Sark Tarrel<br>1941 Ri |
|--|-------------------------------------|------|-------------------------|-------|-----------|--|--|
| NALITE                                     |                                     | Mass | Concernstation<br>ag/wd |       | 11.<br>14 | Test Method                                  | Dumo<br>Analysist                          |
| Quarte                                     |                                     | <50  | 429                     | 42.8  | 10        | NOTH 7500                                    | 00/25/2004                                 |
| Orlyindeline .                             |                                     |      | 46.8                    | 142.6 | 1.0       | NICTOR 7500                                  | 03/23/2009                                 |
| Yorkal Classerty a                         | id Crimitality)                     | - 05 | <94                     |       | - 14      | WICEH 7500                                   | 00,723,72034                               |
| N Nepering                                 | Ume                                 |      |                         |       |           |  |  |

#### Annue inclusional Annual Inc. 2004 Machine Inc. Ann. 54 (1971)

App. (Bable)

| clives ID V/2003/946<br>WY Luiss ID 11/238<br>Roda Sampled ID/20/2004 |      |                         |       | 1         | Makria<br>Narrysie Miesilia<br>Arr Volume (1.) | Ar<br>PVC hydroie baint Farmel<br>967:31 |
|---|------|-------------------------|-------|-----------|--|--|
| ANALYTE   | Matt | Consummation<br>ug/esit |       | -84<br>34 | Test Method                                    | Date<br>Analyzed                         |
| Querts  | -60  | -04                     | 145.8 | 30        | Periodae 2500                                  | 63/25/2004                               |
| Orticialitie  | 16.0 | 45.2                    | 15.8  | 1.41      | <b>WOM 1900</b>                                | 00/21/2004                               |
| fotial (Operty and Oriensballine)                                     | 485  | 487                     |       | 1.16      | AUDIH 2500                                     | 03/23/2034                               |
| Ni - Neparting Limit  |      |                         |       |           |  |  |

Remark for free facely streamed in a 1994 free flow (in ). April 14, 1471

Apple 15 (FA)

| Chees (D: W2200/3) 46<br>IV Laks (D: 91/706<br>Rate Sampled: ISL/22/3824 |                    |                         |       |          | Maters<br>Bergis Mailes<br>Ar Valers (1) | Av<br>PVC3 glace Sure Sevel<br>206.33 |
|--|--------------------|-------------------------|-------|----------|--|---------------------------------------|
| AVALUTE  | Marri              | Europertudion<br>ag/est | 140   | 14<br>14 | Test Method                              | Date                                  |
| Guartz   | 614<br>65.8<br>455 | +81                     | -45.0 | .10      | SICTOR 2 500                             | 00/20/2009                            |
| Crtwtoek airtes  | -6.8               | 45.2                    | 14.7  | 340      | HIGHH THOD                               | 03/25/2038                            |
| fold (Ouert) and C-initialitial  | 455                | - 117                   |       | 35       | RETEXTING                                | 03/25/2004                            |
| R Reporting Little   |                    |                         |       |          |  |                                       |

Research and a second state of the State 
Apprillation



|                    | 9/2301/1649<br>91/2309<br>91/23/2004 | Sector Description |                             | Marrie<br>Sample Minifar<br>de Velorer (13 | An<br>PVC3 divor Sam Tanut<br>972 49 |  |                  |
|--------------------|--------------------------------------|--------------------|-----------------------------|--|--------------------------------------|--|------------------|
| ANALYTE            |                                      | Main<br>14         | Concernmentions<br>Agg/veit | 0.00                                       | 11.<br>10                            | Ted Method   | Date<br>Analyzed |
| Outertal -         |                                      | 15                 | 23                          | 1.4  | 5.0                                  | NAMES AND ADDRESS OF ADDRESS OF ADDRESS ADDRES | 00/25/2004       |
| Origination        |                                      | -6.8               | -6.3                        | -0.8                                       | 5.0                                  | NUMBER OF  | 03/70/2036       |
| Total Classific in | of Christophol                       |                    | 11                          |  | - 00                                 | - HE09X 7508   | 0,/21/2004       |
| Ri - Reporting (   | Úeił:                                |                    |                             |  |                                      |  |                  |

| závol (d) – 572.850/36.56<br>BY Laks (d) – 91.8796<br>Ován Sarnyándi (SL/23/2024 |        |                       |       |           | Makin<br>Sample Media<br>At Valuete (1) | Av<br>PVC3 gisot San Tanal<br>725.64 |
|--|--------|-----------------------|-------|-----------|---|--------------------------------------|
| AMALVIE  | Men -e | Lanormation<br>up/est | 1     | 81.<br>16 | Terl Method                             | forme<br>Accelyred                   |
| 0Latt  | 45.0   | 46.4                  |       | 1.0       | HICH 7501                               | 60/21/3604                           |
| Dirichaliw   | 45.0   | 10.4                  | -02.8 | 1.0       | NOW 200                                 | 02/28/2026                           |
| Total (Claarts and Criminiatia)  | *10    | 42.8                  |       | - 395     | MORH 2530                               | 03/25/2034                           |
| RL + Reporting Limit   |        |                       |       |           |   |                                      |

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Page District.



| Channel Dir. VV2300230332<br>RV Lako 40 - 916752<br>Richar Samushadi 10(72323026 |        |                          |      |           | Mahin:<br>Sample Media:<br>Ar Volume (1) | Ar<br>PVC Salinos Surs Tarenti<br>292,172 |
|--|--------|--------------------------|------|-----------|--|---|
| AMALVIK  | Manu   | Concentration<br>reg/mil | 14   | 16.<br>16 | Test Mathad                              | Easte<br>Analysied                        |
| Quarts   | 6.1    | 8.1                      | 1.1- | 1.0       | HERE 2500                                | 60/11/2004                                |
| Granokalite  | +5.8   | 46.3                     | 45.3 | 1.0       | THOSE 750D                               | 00/21/2004                                |
| Total COverte and Cristolialities  | - 61.0 | 413                      |      | - 30      | 100784 75208                             | 03/20/2004                                |
| Ki, - Reporting Limit  |        |                          |      |           |  |   |

| Chans (E) V22402/1914<br>IIV Lake (E) 1917/29<br>Radia Sarrydood: EL/23/2028 |      |                        |      |     | Maire<br>Turqis Vella<br>Ar Valaria (1) | Ar<br>PVE3 genue Serv Tarrell<br>92046 |
|--|------|------------------------|------|-----|---|--|
| ANALYTE  | Man  | Lancerration<br>Ag/est | -    | 14  | Text Method                             | Dane<br>Analyzed                       |
| Deveta   | - 12 | 24                     |      | 3.8 | NO54 7585                               | 69/23/2034                             |
| Crivicitalite  | (5.0 | C5.4                   | +0.8 | 3.0 | NICTH TIDE                              | 63,721,72034                           |
| Total Closerte and Cristolialitet  | .12  | 24                     |      | 12  | MICHAE PLAN                             | 00/24/2004                             |
| RL = Supporting Condi  |      |                        |      |     |   |  |

| Chang 101<br>BV Labor 111<br>Elada Sarroybod | 9/2.803/16194<br>9157396<br>81,723/20208 |            |                           |       |           | Mattin<br>Temple Minika<br>Ar Valuma (L) | Ar<br>PhE3 pean lock former<br>NELA |
|--|--|------------|---------------------------|-------|-----------|--|-------------------------------------|
| ANACITE                                      |  | Man<br>UE  | Concerns enter-<br>Agg/md |       | HL.<br>HE | Sec Method                               | Diese<br>Amatyznał                  |
| Chartle                                      |  | -58<br>-58 | 45.5                      | -43.7 | 5.0       | NOM 250E                                 | 03/25/2034                          |
| Directoria:                                  |  | -5.8       | +5.5                      | 48.7  | 3.8       | NI05417500                               | 03/25/2034                          |
| Total (Operation                             | ed Cristalialites                        | 0.000      | -11                       |       | 30        | NO98 7500                                | 00/20/2004                          |
| R Supering                                   | 10mm                                     |            |                           |       |           |  |                                     |

Same in the last managers, 1998 (hadded to the Mr 8817)

Page (4)(14).



SHAR Relative Highere Solutions Client Project # 25024404

#### ANALYTICAL RESOLTS

| Chand III<br>DV Lake (III<br>Data Sarty/ed | 91/9403/3914<br>91/9403.<br>1 31/34/3634 |                      |                          |       |     | Matore<br>Samate Media<br>Ar Valume (L) | Av<br>PVE3 anno han Tained<br>17/834 |
|--|--|----------------------|--------------------------|-------|-----|---|--------------------------------------|
| ANALYTE                                    |  | Marga<br>Ang         | Concernt after<br>og/mit | 1.00  | 10  | Test Method                             | Dame<br>Acutyred                     |
| Quartz                                     |  | 45.0<br>45.0<br>40.0 | -6.5                     | -0.40 | 1.0 | 9020103500                              | 00/23/2004                           |
| Cristobalite .                             |  | -5.0                 | <6.3                     | +0.80 | 5.8 | TRANS NOT                               | 00/26/2024                           |
| <b>Solul (Closelle</b> )                   | and Cristellation)                       | -40                  | +322                     |       | 3.0 | HEDSIX TNDE                             | 03/70/2006                           |
| R Repartin                                 | gGine                                    |                      |                          |       |     |   |                                      |





SHAH miketrial Highere Schildens Client Project # 10024624

AMALYTICAL RESULTS

| Chant ID V/7507/9 98<br>IV Lake ID TL7605<br>Data Langebolt IL/21/3074 |      |                        |      |      | Maktin<br>Langde Minike<br>Ve Makeron (1) | Ar<br>Pvt.3 perce Sum Tarest<br>Ball AS |
|--|------|------------------------|------|------|---|---|
| ANALYTE  | Mass | Consentration<br>og/m3 | 192  | -    | Tes Mehod                                 | Dene<br>Acatyrad                        |
| Ouwty:   | -6.8 | 45.5                   | -01  | 1.0  | PERSON 2540                               | 60,725/2024                             |
| Entritolbalitier   | G.I. | 45.5                   | -6.8 | 1.0  | INVERTIGATION                             | 03/25/2004                              |
| Total (Quart) and Distributive)  | -610 | +64                    |      | 1.01 | HEDRIN PAGE                               | 00/20/2004                              |
| RL = Naparting Umit  |      |                        |      |      |   |   |

| Cheer dz – WARDON VI<br>BN Lake IZI – PL/RIZZ<br>Date Samphed - RL/JS/2020 |      |                        |        |          | Makin<br>Bangta Misika<br>Ar Vataria (t) | Ar<br>PVC It genore burn Tarrest<br>556.43 |
|--|------|------------------------|--------|----------|--|--|
| ANALITE  | Mana | Constitution<br>Lig/ml |        | PL<br>Ug | Test Method                              | Durie<br>Rynitysmi                         |
| Ouertz   | 45.0 | 12.4                   | 1.40.8 | 1.0      | FEI2514 7500                             | 03/73/2034                                 |
| Gristokalije   | 45.8 | 45.4                   | -0.8   | 5.8      | WONN 7500                                | 00/21/2004                                 |
| Yotal Observational drivenillations  | -410 | -613                   |        | 10       | MONE THE                                 | 60/26/2004                                 |
| Ri, n Reparking Limit  |      | /12                    |        |          | 10.00 C 10.00 C 10.00                    |  |

| Cheed BL V/2505/50 PE<br>BV Lake BL 91/9631<br>Date Sampled: 81/35/3028 |       |                           |       |       | Maktin<br>Sample Mislan<br>Air Malame (1): | Av<br>PVC.8 perce Sure Tarest<br>941.25 |
|---|-------|---------------------------|-------|-------|--|---|
| ANALYTE   | Matti | Concernention .<br>agg/m3 | 14    | 1     | Fest Methical                              | Date<br>Acutyrist                       |
| Quests:   | -6.0  | 5.4                       | 1.1.1 | 5.0   | NO91 7508                                  | 00/23/2034                              |
| Cristobaliw   | <5.8  | -65.3                     | -41.3 | 5.0   | HDH 2500                                   | 60/73/2004                              |
| Total Obserts and Oristeliaitie)  | - COL | 413                       |       | - 10. | NONE 2008                                  | 00/20/2004                              |
| RL - Asperting Limit  |       |                           |       |       |  |   |

| Cheen da V/2 Norg/Highla 71<br>HV Lake KT HUH21<br>Date Samphed IL/15/2028 |      |                        |       |          | Marcia<br>Sampio Minika<br>Arrostame (1) | Ar<br>PVC 2 group have Taxed<br>102.04 |
|--|------|------------------------|-------|----------|--|--|
| ANALYTE  | Mana | Consentration<br>ag/m3 |       | AL<br>48 | Test Method                              | Date<br>Analyzed                       |
| Guarty   | 164  | 15.4                   | -0.1  | 1.0      | - NOTH THE                               | 00/75/2004                             |
| Orivitabilitie   | -5.0 | 454                    | -43.5 | 1300     | WI05417500                               | 02/23/2024                             |
| hotal (Quarts and Cristolialitie)  | 408  | 481                    |       | 18       | WOSH 7500                                | 80/33/2004                             |
| RL > Reporting Limit   |      | 100                    |       | 1.1      |  |  |

terror incluint entries in . 1998 Jacobal 10, April 48 (871)

Page 200744



| Cleart ID:<br>DV Labs ID:<br>Date Lampfed: | v/MRU/9/00<br>TURN<br>RL/MORSE |       |                         |      |     | Makits<br>Saraph Media:<br>Ar Volume (L) | AP<br>Pet Balwor Jure famet<br>\$33.33 |
|--|--------------------------------|-------|-------------------------|------|-----|--|--|
| ANALITE                                    |                                | Mass  | Concentration<br>ag/web |      | 10  | Test Method                              | Date<br>Analyzed                       |
| Quinty .                                   |                                | 15.0  | 16.4                    | 1418 | 1.8 | NOW PLOT                                 | 23/34/3006                             |
| Crivialiation                              |                                | (6.0  | 45.4                    | 10.0 | 5.8 | NO14 2500                                | 03/25/2004                             |
| Total (Quarte e                            | ed Childebild                  |       | (1)                     |      | 30  | MIDSH 25-03                              | 69/21/2008                             |
| Ri - Asperting                             | Link                           | 0.000 | 2,04                    |      |     |  |  |

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BY Sales Jole #: C4536277 Report Date: 02/20/2024

SHARI Industrial Highere Scholans Geni Project & INGANDA

#### ANALYTICAL RESULTS

| Chanactala V/A0002/W-90<br>89/Lailes-812 #12/8038<br>Danie Saunachoni #12/80/20228 |      |                        |       |     | MALLE.<br>Gample (Veille:<br>Air Veilane (12) | Ar<br>PVC.h gamma Surv. Tarwell<br>634.13 |
|--|------|------------------------|-------|-----|---|---|
| RARLATE  | Mass | Consentration<br>og/m3 | 1.    | 14  | Test Method                                   | Date<br>Analyzed                          |
| Querty .   | 19   | 18                     | 1.4   | 3.0 | MICSH 7500                                    | 03/23/2014                                |
| Driviokaliw  | (5.8 | -6.4                   | 141.8 | 3.0 | 860597500                                     | 00/25/2004                                |
| Total Objects and Districteding  | 12   | -10                    |       | 10  | Ref0194 75:00                                 | 00/13/2009                                |
| RL - Neparting Limit   |      |                        |       |     |   |   |

| Chanel (D. V.) VOLDOVIN (27)<br>IIV Lakov (D. 1917)<br>Dania Swenjskel, 187/10/2004 |       |                         |       |     | Matrix<br>Sample MacBar<br>Ar Vytame (1): | AF<br>PVC3-prox Sum Turnel<br>1984-38 |
|---|-------|-------------------------|-------|-----|---|---------------------------------------|
| ANALYTE   | Manu  | Caraverration<br>ag/ext |       | 10  | Ten Method                                | Date<br>Analyzed                      |
| Guartz  | +20   | 9,208                   | -43.8 | 30  | 100304 7500                               | 63/21/303                             |
| Drivitokalite   | -64   | 54.8                    | 10.8  | 5.8 | NOSH TSUE                                 | 02/24/2024                            |
| Total (Classic and Cristohalited  | - 495 | -0.2                    |       | 191 | 100947500                                 | 03/75/2034                            |
| R. + Reporting Limit  |       |                         |       |     |   |                                       |

in the local manifester, 10040 feedbacks, but the spirit

Page Mart 41.



SHAFTING AND AND A STATEMENT A

#### ANALYTICAL RESULTS

| Chianet (E)<br>RV Laites (E)<br>Daetas Sannapõend | VVVIIIIVIII<br>TEPRES<br>REVELISEVA |      |                        |      |       | NALLIN<br>Gample Amilia<br>Air Valuater (12) | Ar<br>PVC3 perce lives Tarent<br>833-28 |
|---|-------------------------------------|------|------------------------|------|-------|--|---|
| NALITE  |                                     | Mann | Concentration<br>og/m3 | (9)  | 11.   | Test Method                                  | Date<br>Analyzed                        |
| Overte  |                                     | 45.0 | 10.4                   | -0.1 | 1.0   | TV010.7508                                   | 03/23/2034                              |
| Dranobality .                                     |                                     | (5.8 | -6.4                   | -0.8 | 3.0   | NO254 750E                                   | 02/23/2034                              |
| Total (Cluarts a                                  | ed Chilobalted                      | *10  | 411                    |      | - 101 | MIDER 2500                                   | 00/33/2009                              |
| R) - Separating                                   |                                     |      |                        |      | _     |  |   |



| Channells V/VSO//16-129<br>WY Labor OL - INLINER<br>Dates Damasteel - RE/RE/2002A |               |                             |       |     | Makin<br>Servele Media<br>Ar Weisrer(1): | Ar<br>PVC Equipe hers Tarrel<br>9(8.3.9 |
|---|---------------|-----------------------------|-------|-----|--|---|
| ANALYTE   | Marri<br>Ma   | Consolent ation:<br>Lig/wit | 14    | 10  | Test Method                              | Date<br>Analyzed                        |
| Quett   | 12.0          | 15.5                        | -40.3 | 3.0 | HICSH 7558                               | 60/23/2004                              |
| Crivinstaliw  | -5.0          | -6.5                        | -0.5  | 1.0 | NOM 260                                  | 03/74/2024                              |
| Yotal Obserts and Orientektori  | -61.0<br>-610 | - 12                        |       | 3.0 | NECEST 25400                             | 00/28/2609                              |
| RL + Reporting Limit  |               |                             |       |     |  |   |

| Cheer ID W020079-138<br>BV Leev ID 9:0870<br>Date Samphot: 82/03/2024 |        |                          |      |            | Mattix<br>Sample Modia:<br>Ar Volume (1) | Av<br>PVC3 genor Sure Tweed<br>354.95 |
|---|--------|--------------------------|------|------------|--|---------------------------------------|
| AVAN YTE  | Mana   | Concertitudion<br>agreet | 1.00 | 31.<br>141 | Test Method                              | Date<br>Analysissi                    |
| Onierty   | A.0    | 4.3                      | 1.3  | 1.0        | WORK THE                                 | 00/21/2009                            |
| Driviohalim   | -5.0   | -6.2                     | 10.8 | 1.0        | 10059-7500                               | 00/28/2008                            |
| Total (Obsert) and Cronobaltor)                                       |        | 400                      |      | 10         | NICON MOD.                               | 03/21/2034                            |
| RL - Asporting Limit  | 100010 |                          |      |            |  |                                       |

| Chaire Oz                         |              |               |              |      | Males<br>Sergie Meille<br>Ar Volume (1) | Av<br>PVC3 pixce Sun Taved<br>VIT3 |
|-----------------------------------|--------------|---------------|--------------|------|---|------------------------------------|
| AMELVIE                           | Mass.<br>ret | Concentration | - NL<br>- ML | 10   | Teir Mathed                             | Date<br>Analyzed                   |
| Duartz                            | 6.0          | 6.2           | 1.4          | 50   | MONTRY 7540                             | 00/21/2004                         |
| trivitebalter                     | -65.0        | +5.2          | -62.8        | 5.0  | 100304 7500                             | 03/23/2004                         |
| Total Obserbt and University/Hell | 6418         | 410           |              | - 10 | Ne0521 75/00                            | 03/28/2034                         |
| Ri, n Reparting Lond              |              |               |              |      |   |                                    |

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AMALYTICAL RESULTS

| Elizati (B. V/U/KV/V)<br>(M. Lako (B. YL/K/V)<br>(Lako (B. YL/KV/)<br>(Lako Largebod) (B2/KV/)(S7A |   |             |                         |       |            | Malifie<br>Sample Media<br>Ar Veloper (1) | Av<br>PvC.8 perce Sum Tamel<br>B40.81 |
|--|---|-------------|-------------------------|-------|------------|---|---------------------------------------|
| ANALYTE  |   | Mara<br>Ag  | Consent adore<br>og/wil | 163   | 11.<br>11. | Test Method                               | Dem<br>Analyzed                       |
| Overtr .   |   | 400<br>(5.8 | +3.2                    | 41.2  | 30         | MON1 25400                                | 00,725/2034                           |
| Cristobaliw  |   | (5.8)       | 453<br>407              | -41.3 | 3.0        | NID947500                                 | 03/25/2004                            |
| Total (Oparit) and Drictland   | int in the second se | 496         | -00                     |       | 10.        | NO144 7580                                | 01/23/2004                            |
| KL + Kapanning Litesit   |   |             |                         |       |            |   |                                       |

| Chiercells WRXXX/Sc134<br>BN Labor D1 NoFBC13<br>Date Samphed BC/NU/1014 |       |                       |       |             | Matrix<br>Sample Media<br>Ar Valaria (S) | Ar<br>PVC 8 genue bare Tarred<br>Balans |
|--|-------|-----------------------|-------|-------------|--|---|
| ANNUTTE  | Man   | Constitution<br>ag/m1 |       | 191.<br>148 | Terr Mathad                              | Date<br>Analysed                        |
| Quartz   | (6.0  | 63                    | 149.8 | 1.0         | PHOSE 7500                               | 03/73/2034                              |
| Orietokalite   | 45.8  | 45.3                  | -0.1  | 5.0         | NONE 7500                                | 07/21/2004                              |
| Yotal Obserts and Drintellatities  | -6185 | 411                   |       | 1.0         | MONE FOR                                 | 60/25/2004                              |
| R), - Reparting Limit  |       | 212                   |       |             |  |   |

| Chant US WEXXXX 344<br>BY Lake US YEARSA<br>Data Sampled, SEVENJERA |       |                        |        |       | Makin<br>Sample Misika<br>Ar Mitame (1): | Av<br>PVC.8 genue form Tarmet<br>Beet |
|---|-------|------------------------|--------|-------|--|---------------------------------------|
| AAAA,YTE  | Massi | Concentration<br>og/m3 | 1.     | 1     | Text Method                              | Deire<br>Aratyrist                    |
| Quests:   |       | .10                    | 1.0    | 5.0   | HICKH 7500                               | 00/23/2034                            |
| Cristobaliw   | 418   | -63                    | 100.00 | 56    | HDH 7500                                 | 03/23/2004                            |
| Total Obserts and Oristeliaitie)                                    | - COL | +10                    |        | - 10. | NONE 2100                                | 01/20/2004                            |
| RL - Asperting Limit  |       |                        |        |       |  |                                       |

| Chient MX                            |      |                        |        |          | Matrix<br>Sample Amilia<br>Air Valume (1) | Ar<br>PVC Signer Sale Taled<br>1991 Dr |
|--------------------------------------|------|------------------------|--------|----------|---|--|
| ANALISTE                             | Man  | Consentration<br>ag/m3 | 1      | R.<br>48 | Test Method                               | Date<br>Analyzed                       |
| Quarty                               | - 20 | 14                     | 13.1.1 | 5.0      | N005H 7500                                | 00/23/2004                             |
| Orivitobalitie                       | 45.0 | +4.5                   | -0.1   | 5.2      | M00917508                                 | 62/21/2024                             |
| Potal (Occurro: selal chimedialitie) | 28   | 10                     |        | - 30     | M0947500                                  | 60/23/2004                             |
| RL = Reporting Limit                 | 1997 |                        |        |          |   |  |

terror incluint entries in . 1998 Jacobal 10, April 48 (871)

Page 31 (FIL)

### <u>Annexure XV</u> <u>Pre and Post monsoon ground water quality analysis</u>



#### ||Shreeji ||

#### SHREEJI AQUA TREATMENT PVT. LTD.

Remaining Devices we and Scientures (Autor Dee A

Parse : 21A, Stvergi Camplex, Netriu Nagar, Purpri, Pure 411 018 Vadodara : Plot No.1, Sheh Ind. Park 1, Vadodara-Savli, Lamdapuro. 391 775 Dist. Vadodara Lab : 164, Shreeji Terrace Apt. Plot No. 53, Purna Nagar, Chikhali, Pure 411019 Castomer Care No.2 +919225247305 / Web : www.shreejiagua.com • Email: info@stverjiagua.com

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

|                           |              |  | TEST REPORT  |           |  |                           |  |  |  |  |
|---------------------------|--------------|--|--|-----------|--|---------------------------|--|--|--|--|
| Sample / Report No.       | SL/24-25/    | 05/MFW/1350  |  |           |  | 20/05/202                 |  |  |  |  |
| Name of Customer          | M/s. VEDA    | M/s. VEDANTA LIMITED (PIG IRON PLANT)                                |  |           |  |                           |  |  |  |  |
| Address of Customer       | SURVEY NO    | SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O.MARCELA, BICHOLIM GOA. |  |           |  |                           |  |  |  |  |
| Order / Reference         |              | Dated 15/05/2024   | (  |           |  |                           |  |  |  |  |
| Sample declaration as pro | vided by cus | tomer :  |  | -         |  |                           |  |  |  |  |
| Nature of Sample          | Novelim - 3  | ianjay Naik Well W   | ater   | _         |  |                           |  |  |  |  |
| Batch No.                 | NA           |  |  |           | -  |                           |  |  |  |  |
| Sample Drawn by           | SATPL Repr   | esentative on 15/0   | 6/2024   | Sample R  | eceived On   | 15/05/2024                |  |  |  |  |
| Start of Analysis         | 15/05/202    | 800 EEE COMMERCE   | 0.02010  | End of An | A REAL PROPERTY AND A REAL | 20/05/2024                |  |  |  |  |
| Sample Container          | Plastic Car  | 6  |  | Sample Q  | and the second se  | 21/2                      |  |  |  |  |
| Sampling Procedure        | 15 3025 (Pa  | rt 1} & IS1622   |  |           | ntin   |                           |  |  |  |  |
| Limits                    | As Per IS 10 | As Per IS 10500 2012 Standards I                                     |  |           |  |                           |  |  |  |  |
| Parameters                | Results      | pert   | tion Range as<br>S 10500 / 2012                            | Unit      | Method   |                           |  |  |  |  |
|                           |              | Requirement<br>Acceptable<br>Limit                                   | Permissible Limit in<br>the Absence of<br>Alternate Source |           |  |                           |  |  |  |  |
| Chemical Testing          |              |  |  |           |  |                           |  |  |  |  |
| Colour                    | <1.0         | 5.0 Max.   | 15.0 Max.  | Hazon     | 19.31  | 025 (Part 4): 1983 8 2021 |  |  |  |  |
| furbidity                 | 0.21         | 1.0 Max.   | 5.0 Max.   | NTU       |  | 25 (Part 10):1984 R 2023  |  |  |  |  |
| xH                        | 7.04         | 6.5-8.5  | No Relaxation  |           | the second s   | 3025 (Part 11): 2022      |  |  |  |  |
| Total Dissolved Solids    | 105.0        | 500.0 Max,   | 2000.0 Max.  | mgAL      |  | 3025 (Part 16): 2023      |  |  |  |  |
| Chlorides                 | 19.99        | 250.0 Max  | 1000.0 Max.  | mg/t      | and the second se  | 25 (Part 32):1988 R 2019  |  |  |  |  |
| Manganese                 | +0.01        | 0.10 Max.  | 0.30 Max.  | mart      | and the second se  | 3525 (Part 2): 2004 #2019 |  |  |  |  |
| litrate                   | 1.18         | 45.0 Max.  | No Relaxation  | mg/L      | and the second division of the second divisio | 25 (Part 34) 1908 R 2019  |  |  |  |  |
| Sulphate                  | 3.95         | 200.0 Max.   | 400.0 Max.   | Parm      | Contraction of the local division of the loc | 3025 (Part 24/Sec 1):2022 |  |  |  |  |
| otal Hardness<br>sCaCO3   | 44           | 200.0 Max.   | 600,0 Max.   | mg/L      | the second se  | 3025 (Part 21):2009 82019 |  |  |  |  |
| Salcium Hardness          | 30.0         | N  | ot Specifiqd   | mo/L      | 15 31  | 025 (Part 40):1991 & 2019 |  |  |  |  |
| Magnesium Hardness        | 14.0         | N  | of Specified   | mg/L      | -  | 3025: Part 46: 83021      |  |  |  |  |

REMARK: Reference to above testing parameters, given Well Water sample is within the prescribed limit. Discloimer-Information supplied by customers represented in italic font'

Verified By, Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

Managing Director (Authorized Signatory) An ISO 9001:2015 Certified Company ISO 45001:2018

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



### ||Shreeji||

### SHREEJI AQUA TREATMENT PVT. LTD.

Incodative Reservemental Solutions Under One Heart

Pune : 31A, Shreeji Complex, Nefru Nagar, Ponpol, Pune: 411.018 Vededara I: Plot No.1, Shah Ind. Park 1, Vedodara-Senit, Lamdapura. 391.775 Dist, Vedodara Lab : 554, Shreeji Terrace Apt, Plot No. 53, Puna Negar, Chichali, Pune: 411019

Customer Care No.: +919221247365

Well: : www.shreejiaqua.com + Email: info@streejiaqua.com

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

| and the second second                             |   |  | TEST REPORT  |       |                    | the fair family    |  |  |  |  |  |
|---|---|--|--|-------|--------------------|--------------------|--|--|--|--|--|
| Sample / Report No.                               | \$L/24-25/05/MFW/1350 20/05/2024  |  |  |       |                    |                    |  |  |  |  |  |
| Name of Customer                                  | M/s. VEDANTA LIMITED (PIG IRON PLANT)   |  |  |       |                    |                    |  |  |  |  |  |
| Address of Customer                               | SURVEY NO.30(P  | 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 provid                      | led by customer :   |  |  | _     |                    |                    |  |  |  |  |  |
| Nature of Sample                                  | and the second se | Naik Well Water  | C  |       |                    |                    |  |  |  |  |  |
| Batch No.   | NA  | and the second   |  |       |                    |                    |  |  |  |  |  |
| Sample Drawn by                                   | SATPL Represent   | ative on 15/05/20  | 24   | _     | Sample Received On | 16/05/2024         |  |  |  |  |  |
| Start of Analysis                                 | 16/05/2024  |  |  |       | End of Analysis    | 20/05/2024         |  |  |  |  |  |
| Sample Container                                  | Plastic Can   | Internet in  |  |       | Sample Quantity    | 210                |  |  |  |  |  |
| Sampling Procedure                                | IS 3025 (Part 1) 8  | 151622   |  |       |                    | 17.01              |  |  |  |  |  |
| Limits  | As Per IS 10500:2012 Standards  |  |  |       |                    |                    |  |  |  |  |  |
| Parameters  | Results   |  | in Range as per<br>900 / 2012                              | Unit  | Method             |                    |  |  |  |  |  |
|   |   | Requirement<br>Acceptable<br>Limit   | Permissible Limit in<br>the Absence of<br>Alternate Source | •     |                    |                    |  |  |  |  |  |
| Chemical Testing                                  |   |  |  | 1.1   |                    |                    |  |  |  |  |  |
| Dissolved Iron                                    | <0.1  | 1.0 Max.   | No Relaxation  | me?l. | IS 3025 /Part      | 2]: 2004 R2019     |  |  |  |  |  |
| Electrical Conductivity                           | 159   | Not  | Specified  | µs/cm |                    | lition 2023/2510-6 |  |  |  |  |  |
| Chemical Oxygen Demand<br>(COD)                   | <4.00   | Not  | Specified  | ጠይሳጊ  |                    | tion 2023/ 5220-C  |  |  |  |  |  |
| Bio Chemical Oxygen Demand<br>BOD(27°C for 3 Days | <1.00   |  | pecified   | ma/L  | IS 3025 (Par       | t 44): 2023        |  |  |  |  |  |
| Total Suspended Solids (TSS)                      | 6.0   |  | pecified   | mg/L  | APHA, 24th Editio  |                    |  |  |  |  |  |
| Oil& Grease                                       | <2.0  | and the second sec | pecified   | mg/L  |                    | (Part 39): 2021    |  |  |  |  |  |
| Phosphates  | <0.001  | Not 8  | specified  | mg/L  | APHA, 24" Editic   | n 2023/4500-P-D    |  |  |  |  |  |

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REA CHINCHWAD 12 PUNE-411058 70  $\pm 2$ 9

-----End Of Test Report-

For Shreeji Aqua Treatment Pvt. Ltd.

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Managing Director ( Authorized Signatory)

The results relate to sample tested.

Page 2 of 2

An 150 9601;2015 Certified Company 150 45001 : 2018



#### Shreeji

#### SHREEJI AQUA TREATMENT PVT. LTD.

matter Invintemental Telesions Onder Core Re-

Pane : 21A, Shrueji Complex, Nehna Nggat, Penger, Pane: 411 018 Vododava : Piot No. 1, Shah Ind. Park-1, Vadodava-Savil, Landapura, 391 775 Olst. Vadodava Lab : 16-5, Shreeji Terroce Apt. Plot No. 53, Purna Negar, Chihail, Purn: 411019 Customer Care No.: +919225247365 Web : www.shreejiaqua.com \* Enail: infogrationgaga.com

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|                           |              |                                    | TEST REPORT  |             |   | 20/05/202  |
|---------------------------|--------------|------------------------------------|--|-------------|---|--|
| Sample / Report No.       | SL/24-25/    | 05/MFW/135N                        | and the second |             |   | 209339202  |
| Name of Customer          | M/s. VEDA    | NTA LIMITED (PIG                   | IRON PLANT)  |             |   |  |
| Address of Customer       | SURVEY NO    | 30(PART)41,42/1,                   | 27(PART) AMONA, P.O.M.   | ARCELA, BRO | HOUM - GOA.   |  |
| Order / Reference         | As per TRF   | Dated 15/05/2024                   |  |             |   |  |
| Sample declaration as pro | vided by cus | tomer :                            |  |             |   |  |
| Nature of Sample          | Amono-So.    | ndesh Naik Well W                  | wter   |             |   |  |
| Batch No.                 | NA           |                                    | A  |             | 1.1   |  |
| Sample Drawn by           | SATPL Repr   | esentative on 15/0                 | 6/2024   | Sample P    | leceived On   | 16/05/2024   |
| Start of Analysis         | 16/05/202    | 4                                  | End of Ar  | nalysis     | 20/05/2024  |  |
| Sample Container          | Plastic Car  | i.                                 | ()<br>()   | Sample 0    | buantity  | 2 lit  |
| Sampling Procedure        | 15.3025 (Pa  | rt 1) & IS1622                     |  |             |   |  |
| Limits                    | As Per 15 10 | 1500-2012 Standard                 | ts   |             |   |  |
| Parameters                |              |                                    | tion Range as<br>S 10500 / 2012  | Unit        | Method  |  |
|                           |              | Requirement<br>Acceptable<br>Limit | Permissible Limit in<br>the Absence of<br>Alternate Source   |             |   |  |
| Chemical Testing          |              |                                    |  | 1           |   |  |
| Colour                    | <1.0         | 5.0 Max.                           | 16.0 Max.  | Hazen       | 15 3025 (Pa   | rt 4):1983 R 2021  |
| lurbidity                 | 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 (Pa   |  |
| fotal Dissolved Solids    | 98.0         | 500.0 Max.                         | 2000.0 Max.  | mg/L        | 15 3025 (Par  |  |
| Chlorides                 | 15.00        | 250.0 Max.                         | 1000.0 Max.  | mg/l        | and the second se | rt 321:1988 R 2019   |
| Manganese                 | +0.01        | 0.10 Max.                          | 0.30 Max.  | mg/L        | 15 3025 (Part 2   | and the second sec |
| litrate                   | 1,04         | 45.0 Max.                          | No Relaxation  | mg/t        | 15 3025 (Part 34)   |  |
| Sulphate                  | 3.71         | 200.0 Max.                         | 400.0 Max.   | mult        |   | 14/Sec 11:2022   |
| otal Hardness<br>sCaCO3   | 48.0         | 200.0 Max.                         | 600.0 Mpx  | mg/L        | and the second se | 11) 2009 R2019   |
| Calcium Hardness          | 26.0         | Not 3                              | Specified  | strat/L     | 15 3025 (Part-  | 40):1991 R 2019  |
| Aagnesium Hardness        | 22.0         | Not S                              | Specified  | may'l.      |   | ut 46: 82023   |

REMARK: Reference to above testing parameters, given Well Water sample is within the prescribed limit. Disclaimer Information supplied by customers represented in Italic fost'

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Sr. Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

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Managing Director ( Authorized Signatory) An ISO 9001:2015 Certified Company ISO 45001 : 2018

#### ||Shreeji ||



### SHREEJI AQUA TREATMENT PVT. LTD.

Puge. 1 21A, Streeji Complex, Nehra Nagar, Pimpri, Pune: 411 018 Vadedara : Plot No.1, Skall Ivd. Park-1, Vadedara-Savk Lamdapura, 391 775 Dist. Vadedara Lab. = 184, Shreeji Terrace Aut. Plot No. 53, Puma Nagar, Chikhali, Pune: 411019 Castomer Care No.: +919225247345 : www.shreejuqua.com . Email ministreejiagus.com Web

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| and the second se |   |                                    | TEST REPORT  |       |                               |                   |  |  |  |
|---|---|------------------------------------|--|-------|-------------------------------|-------------------|--|--|--|
| Sample / Report No.   | SL/24-25/05/MFW/135N 20/05/2024                                     |                                    |  |       |                               |                   |  |  |  |
| 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,BICHOUM - GOA. |                                    |  |       |                               |                   |  |  |  |
| Order / Reference   | As per TMF Dated 15/05/2024   |                                    |  |       |                               |                   |  |  |  |
| Sample declaration as provid  |   | and development and                |  |       |                               |                   |  |  |  |
| Nature of Sample  | Amana-Sandesh Naik Well Water                                       |                                    |  |       |                               |                   |  |  |  |
| Batch No.   | NA  |                                    |  |       |                               |                   |  |  |  |
| Sample Drawn by   | SATPL Represent   | ative on 15/05/203                 | 34   | -     | Sample Received On            | 16/05/2024        |  |  |  |
| Start of Analysis   | 16/05/2024  |                                    |  |       | End of Analysis               | 20/05/2024        |  |  |  |
| Sample Container  | Plastic Can   |                                    |  |       | Sample Quantity               | 210               |  |  |  |
| Sampling Procedure  | 15 3025 (Part 1) 8  | 151522                             |  |       |                               | 1                 |  |  |  |
| Limits  | As Per IS 10500:2   | 012 Standards                      |  |       |                               |                   |  |  |  |
| Parameters  | Results   |                                    | n Range as per<br>00 / 2012                                | UNIL  | Method                        |                   |  |  |  |
|   |   | Requirement<br>Acceptable<br>Limit | Permissible Limit in<br>the Absence of<br>Alternate Source |       |                               |                   |  |  |  |
| Chemical Testing  |   | 1                                  | and the second second                                      |       |                               |                   |  |  |  |
| Dissolved Iron  | -0.1  | 1.0 Max.                           | No Relaxation  | melt  | IS 3025 (Part                 | 2): 2004 R2019    |  |  |  |
| Electrical Conductivity   | 151   | Not                                | Specified  | us/cm |                               | ition 2023/2510-1 |  |  |  |
| Chemical Oxygen Demand<br>(COD)   | <4.00   | Not                                | Specified  | mg/L  |                               | ion 2023/ 5220-C  |  |  |  |
| Bio Chemical Oxygen Demand<br>(BOD)27 <sup>6</sup> C for 3 Days   | <1.00   | Not Sp                             | ecilied  | mg/L  | IS 3025 (Par                  | t 44): 2023       |  |  |  |
| Total Surpended Solida (TSS)  | 8   | Not Sp                             | ecified  | mg/L  | APHA, 24th Editio             | m 2023/ 2540-D    |  |  |  |
| Sills Grease  | <2.0  |                                    | ecified  | men.  |                               | (Part 39): 2021   |  |  |  |
| Prosphates  | <0.001  | Not S                              | pecified   | me/L  | APHA, 24 <sup>th</sup> Editio | n 2023/4500-P-D   |  |  |  |

information supplied by customers represented in Holic fort"

Verified By,

Sr. Analyst

The results relate to sample tested.

-End Of Test Report-

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**EREA** 

CHINDHAD PUME-411010 For Shreeji Aqua Treatment Pvt. Ltd.

SIM

**Managing Director** (Authorized Signatory)

Page 2 of 2

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### ||Shreeji ||

### SHREEJI AQUA TREATMENT PVT. LTD

Automative Confectmental Solutions Lander Dru B

An ISO 9001:2015 Certified Company ISO 45001:2018

Pune 1 21A, Shreeji Complex, Nohru Nagar, Pimpir, Pune: 411 018

Vadodara : Piot No.1, Shah Ind. Park 1, Vadodara Savil, Lamitapura. 391 773 Det. Vadodara

Lab : 164, Shreeji Terrace Apt. Plot No. 53, Parra Nogar, Chikhali, Pare: 411019

Centomer Care No.: +919225347365

Web : www.shreejiaqua.com +Essait.inforpshreejiaqua.com

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

|                           |  |                                    | TEST REPORT  |           |   | 20/05/202  |  |  |  |  |
|---------------------------|--|------------------------------------|--|-----------|---|--|--|--|--|--|
| Sample / Report No.       | 51/24-25/  | \$L/24-25/05/MPW/135M              |  |           |   |  |  |  |  |  |
| Name of Customer          | M/s. VEDA  | NTA LIMITED (PIG                   | RON PLANT)   |           | _   |  |  |  |  |  |
| Address of Customer       | SURVEY NO  | .30(PART)41,42/1,                  | 27(PART) AMONA, P.O.M.                                     | ARCELABIC | HOUM - GOA.   |  |  |  |  |  |
| Order / Reference         | As per TRF   | per TRF Dated 15/05/2024           |  |           |   |  |  |  |  |  |
| Sample declaration as pro | vided by cus   | tomer :                            |  |           |   |  |  |  |  |  |
| Nature of Sample          | Maina-Dig  | laina-Digamber Naik Well Water     |  |           |   |  |  |  |  |  |
| Batch No.                 | NA   | Conversion - Conversion            | an and   |           | and the second  |  |  |  |  |  |
| Sample Drawn by           | SATPL Rep  | esentative on 15/0                 | 5/2024   | Sample F  | leceived On   | 36/05/2024   |  |  |  |  |
| Start of Analysis         | 16/05/202  | 4                                  |  | End of Ar | nailysis  | 20/05/2024   |  |  |  |  |
| Sample Container          | Plastic Car  | E                                  |  | Sample (  | buantity  | 2 lt   |  |  |  |  |
| Sampling Procedure        | 15 3025 (Pa  | rt 1) & (51622                     |  |           |   |  |  |  |  |  |
| Limits                    | As Per IS 10   | As Per IS 10500:2012 Standards     |  |           |   |  |  |  |  |  |
| Parameters                | Results Specification Range as<br>perIS 10500 / 2012 |                                    |  | Unit      | Method  |  |  |  |  |  |
|                           |  | Requirement<br>Acceptable<br>Limit | Permissible Limit in<br>the Absence of<br>Alternate Source |           |   |  |  |  |  |  |
| Chemical Testing          |  |                                    |  |           |   | 1  |  |  |  |  |
| Colour                    | 1.0  | 5.0 Max.                           | 15.0 Max.  | Haten     | 15 3025 (Pa   | rt 4):1983 R 2021  |  |  |  |  |
| Turbidity                 | 0.24   | 1.0 Max                            | 5.0 Max.   | NTU       |   | rt 10):1984 R 2023   |  |  |  |  |
| Ma                        | 7.19   | 6.5-8.5                            | No Relaxation  | -         | and the second se | rt 11): 2022   |  |  |  |  |
| Total Dissolved Solids    | 85   | 500.0 Max.                         | 2000.0 Max,  | mg/L      | 15 3025 (Par  |  |  |  |  |  |
| Chlorides                 | 11.0   | 250.0 Max.                         | 1000.0 Max.  | ma/L      | and the second  | rt 323:1988 8 2019   |  |  |  |  |
| Manganose                 | 10.0>  | 0.10 Max.                          | 0.30 Max   | men.      | 15 3025 (Part 2   | and the second |  |  |  |  |
| Nitrate                   | 0.18   | 45.0 Max.                          | No Relaxation  | mert      | 15 3025 (Part 34  |  |  |  |  |  |
| Sulphate                  | 2.66   | 200.0 Max.                         | 400.0 Max.   | me/L      | and the second se | 24/5ec 11:2022   |  |  |  |  |
| fotal Hardness<br>IsCaCO3 | 34   | 200.0 Max.                         | 600.0 Max.   | mg/L      | and the second second   | 21):2009 R2019   |  |  |  |  |
| Calcium Hardness          | 20.0   | Not 8                              | specified  | mg/i      | 153025 (Part  | 60]:1991 II 2019   |  |  |  |  |
| Wagnesium Hardness        | 10.0   | Not 5                              | specified  | mg/L      | is near a   | wt 46: 82023   |  |  |  |  |

REMARK: Reference to above testing parameters, given Well Water sample is within the prescribed limit. Disclaimer-Information supplied by customers represented in italic font'

Set Analyst



For Shreeji Aqua Treatment Pvt. Ltd.

SIM Managing Director (Authorized Signatory)

### [Shreeji]



### SHREEJI AQUA TREATMENT PVT. LTD.

An ISO 9001:2015 **Certified Company** 150 45001 : 2018

Pane I 21A, Streejl Complex, Nehru Nagat, Pimpzi, Pane: 411 018 Vadodara I Pixt No.1, Shah Init. Park 1, Vadodasi Savil, Lamdapixa. 891 775 Dist. Vadodara

Lab. = 184, Shreed Terrace Apr. Plot No. 53, Parna Nagar, Childrali, Pune: 411519

Castomer Care No.2 +919225247565

z www.shreejiaqua.com • Enalk infogrative/jacaa.com Web:

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

|  |  |                                    | TEST REPORT   |                    |                                  |                 |  |  |  |  |
|--|--|------------------------------------|---|--------------------|----------------------------------|-----------------|--|--|--|--|
| Sample / Report No.  | SI/24-25/05/M  | PW/135M                            | 1   | _                  |                                  | 20/05/2024      |  |  |  |  |
| 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 provid                                 | ed by customer :   |                                    |   |                    |                                  |                 |  |  |  |  |
| Nature of Sample   | [1] S. M. S. Marson, S. M. Sandar, and A. S. Marson, Nucl. Phys. Rev. Lett. 70, 1000 (1998). | r Nalk Well Water                  |   |                    |                                  |                 |  |  |  |  |
| Batch No.  | NA   |                                    |   | -                  |                                  |                 |  |  |  |  |
| Sample Drawn by  | SATPL Represent  | ative on 15/05/20                  |   | Sample Received On | 15/05/2024                       |                 |  |  |  |  |
| Start of Analysis  | 16/05/2024   |                                    |   |                    | End of Analysis                  | 20/05/2024      |  |  |  |  |
| Sample Container   | Plastic Can  |                                    |   | _                  | Sample Quantity                  | 2.01            |  |  |  |  |
| Sampling Procedure   | 15 3025 (Part 1) 8   | 151622                             |   | -                  | Contraction of the second of the | Taur.           |  |  |  |  |
| Limits   | As Per IS 10500:2012 Standards   |                                    |   |                    |                                  |                 |  |  |  |  |
| Parameters   | Results  |                                    | n Range as per<br>500 / 2912                            | Unit               | Method                           |                 |  |  |  |  |
|  |  | Requirement<br>Acceptable<br>Limit | Permissible Limit in the Absence of<br>Alternate Source |                    |                                  |                 |  |  |  |  |
| humical Testing  |  | 2011025                            |   |                    |                                  |                 |  |  |  |  |
| Dissolved from   | -0.1   | 1.0 Max.                           | No Relaxation   | mg/l               | IS 3025 (Part 2): 200-           | 192019          |  |  |  |  |
| Electrical Conductivity                                      | 136  | Not                                | Specified   | µs/cm              | APHA, 24th Editio                |                 |  |  |  |  |
| COD)   | ol.00  | Not                                | Specified   | mg/L               | APHA, 24+Edition 2023/ 5220-     |                 |  |  |  |  |
| No Chemical Oxygan Demand<br>BOD(27 <sup>°C</sup> for 3 Days | <1.00  | No                                 | t Specified   | mg/L               | IS 3025 (Par                     | t 44): 2023     |  |  |  |  |
| otal Suspended Solids (TSS)                                  | 4  | No                                 | t Specified   | mg/L               | APHA, 24th Editic                | on 2073/2540-D  |  |  |  |  |
| NI& Grease   | <2.0   | No                                 | Specified   | ing/L              |                                  | rt 39): 2021    |  |  |  |  |
| hotobates  | +0.001   | Not                                | Specified   | met                | APHA, 24" Editio                 | n 2023/4500-P-4 |  |  |  |  |

Verified By 201 Sr. Analyst

CHINCHWAD PUNE-411019 ×

For Shreeji Aqua Treatment Pvt. Ltd.

SIM

**Managing Director** ( Authorized Signatory)

The results relate to sample tested.

End Of Test Report-£.

Page 2 of 2



Control of the second State of the second stat Accredited by NABE as per ISO/IOC 17025/2017 Centified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Recognized by Ministry of Environment, Forest & Climate Change (MoEPICC), Govt. of India, New Delhi



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Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026. ULR No.: TC138772400010602F

|| Shreeji ||

|   |                                     |  | TEST RE           | PORT                          |  |                           |  |  |  |  |
|---|-------------------------------------|--|-------------------|-------------------------------|--|---------------------------|--|--|--|--|
| Samp  | ale / Report No.                    | SL/24-25/10  | /MFW/105U         |                               |  | 29/10/202                 |  |  |  |  |
|   | e of Customer                       | the second s | TA LIMITED (PH    | G IRON                        | PLANTI   |                           |  |  |  |  |
| Addr  | ess of Customer                     | SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O.MARCELA, BICHOLIM - GOA.   |                   |                               |  |                           |  |  |  |  |
| Orde  | r / Reference                       | As Per TRF dated 24/10/2024  |                   |                               |  |                           |  |  |  |  |
| Samp  | ele declaration as provided b       |  |                   |                               |  |                           |  |  |  |  |
| Natu  | re of Sample                        | Novelim - Sa   | nlay Naik Well    | Water                         |  |                           |  |  |  |  |
| Batch   | 1 No.                               | NA.  |                   |                               |  |                           |  |  |  |  |
| Samp  | ile Drawn by                        | SATPL on 24/   | 10/2024           | Sample Received On 25/10/2024 |  |                           |  |  |  |  |
| Start   | of Analysis                         | 25/10/2024   |                   | En                            | d of Analysis  | 29/10/2024                |  |  |  |  |
| Samp  | le Container                        | Plastic can  |                   | Sample Quantity               |  | 02 lit                    |  |  |  |  |
| Samp  | iling Procedure                     | IS 3025 (Part  | 1)                |                               |  |                           |  |  |  |  |
| Limits  | 5                                   | As Per IS 105  | 00:2012 Standa    | rds                           |  |                           |  |  |  |  |
| themi   | cal Testing                         | 1  | an and the second | _                             |  |                           |  |  |  |  |
| ir.No   | Parameters                          | Results  | Limits            | Unit                          |  | Method                    |  |  |  |  |
| 1   | Colour                              | <1.0   | 5.0 Max           | Hazer                         | n IS 30  | 25 (Part 4) :1983 R 2021  |  |  |  |  |
| 2   | pH Value                            | 7.17   | 6.5-8.5           |                               | the second s   | 3025 (Part 11):2072       |  |  |  |  |
| 3   | Turbidity                           | 0.23   | 1.0 Max           | NTU                           |  | 25 (Part 10) :1984 R 2023 |  |  |  |  |
| 4   | Total Dissolved Solids              | 85.0   | 500.0 Max         | mg/U                          |  | 3025 (Part 16): 2023      |  |  |  |  |
| 5   | Sulphate as SO4                     | 2.58   | 200.0 Max         | mg/Li                         | the local sector of the lo | 5: (Part 24/Sec 1) :R2022 |  |  |  |  |
| 6   | Total Hardness as CaCO <sub>3</sub> | 38.0   | 200.0 Max         | mg/Li                         |  | (Part 21): 2009 8 2019    |  |  |  |  |
| 7   | Chloride as Cl                      | 15.00  | 250.0 Max         | mg/U                          | and the second   | 15 (Part 32): 1988 R 2019 |  |  |  |  |
| 8   | Manganese as Mn                     | <0.01  | 0.1 Max           | mg/U                          | the second se  | 25 (Part 2): 2004 R2019   |  |  |  |  |
| and the second se | Nitrate as NO <sub>3</sub>          | 1.06   | 45.0 Max          | mg/Li                         | t IS 30.   | 25 (Part 34):1988 R 2019  |  |  |  |  |
| and the second second   | Calcium Hardness                    | 22.0   | NIS               | mg/U                          | t IS 30:   | 25 (Part 40):1591 R 2019  |  |  |  |  |
| 11  | Magnesium Hardness                  | 16.0   | NS                | ma/Li                         | 1 15   | 3025: Part 46;R2023       |  |  |  |  |

Verified By,

Sr. Analyst

**ONICIDIUS** 002-41191

For Shreeji Agua 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

Plot No. 8-24, H Block, Lal Topi Nagar, Morewedl, MIDC, Pimpri-Chinchwad, Maharashtra 411018. Panet Lake

184, Shreeji Temace Apt, Plot No. 53, Puma Nagas, Chikhali, Pune: 411019

Vadadara: Plot No.1, Shah Ind. Park 1, Vadodara-Savii, Lamdapura. 301 775 Dist. Vadodra

Customer Care No.: +919225247365 Email: Info@streepiaqua.com Web: www. streepiaqua.com

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





Accedited by NABL as per ISO/IEC 17025/2017 Cartified by ISO 9001/2015, ISO 14001/2015 & ISO 45001/2018 Recognized by Ministry of Environment, Forest & Climate Change (MoEFCE), Govt. of India, New Delhi

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|                 |   |   | TEST RE       | PORT  |                | 1000                                  |  |  |
|-----------------|---|---|---------------|---|----------------|---------------------------------------|--|--|
| Sam             | ple / Report No.                                | \$1/24-25/1   | 0/MFW/105U    | 6   | _              | 29/10/202                             |  |  |
|                 | e of Customer                                   |   | NTA LIMITED   |   | LANTI          |                                       |  |  |
| Addr            | ess of Customer                                 |   |               |   |                | MARCELA RICHOURA - GOA                |  |  |
| Orde            | r / Reference                                   | SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O. MARCELA, BICHOLIM -<br>As Per TRF dated 24/10/2024 |               |   |                |                                       |  |  |
| Samp            | ole declaration as provided by cu               | istomer :   |               |   |                |                                       |  |  |
| Natu            | re of Sample                                    | Navelim - S   | anjay Naik We | ell Water   |                |                                       |  |  |
| Batch           | h No.   | NA  |               |   |                |                                       |  |  |
| Sample Drawn by |   | SATPL on 24   | /10/2024      | Samp  | le Received On | 25/10/2024                            |  |  |
| shows in the    | of Analysis                                     | 25/10/2024 End of Analysis  |               | f Analysis  | 29/10/2024     |                                       |  |  |
| Samp            | ale Container                                   | Plastic can   |               | the second se | le Quantity    | 02 lit                                |  |  |
| Samp            | ling Procedure                                  | IS 3025 (Par  | t 1)          | the second  |                |                                       |  |  |
| Limit           | 5   | As Per IS 10  | 500:2012 Stan | dards   |                |                                       |  |  |
| Chemi           | ical Testing                                    | Anna Statement  |               |   |                |                                       |  |  |
| ir.No           | Parameters                                      | Results   | Limits        | Unit  |                | Method                                |  |  |
| 12              | Dissolved iron                                  | <0.1  | 1.0 Max.      | mg/Lit  | 15 30          | 25 (Part 2): 2004 R2019               |  |  |
| 13              | Conductivity                                    | 138   | NS            | µs/cm   |                | 24 <sup>th</sup> Edition 2023/2510-8  |  |  |
| 14              | Chemical Oxygen Demand<br>(COD)                 | <3.0  | NS            | mg/Lit  | 0,75550        | 24 <sup>th</sup> Edition 2023/ 5220-C |  |  |
| 15              | Bio Chemical Oxygen Demand<br>@ 27°C for 3 Days | <1.0  | NS            | mg/Lit  | 15             | 3025 (Part 44):2023                   |  |  |
| 16              | Total Suspended Solids (TSS)                    | 8.00  | NS            | mg/Lit  | APHA.          | 24 <sup>th</sup> Edition 2023/ 2540-0 |  |  |
| the statement   | Oil & Grease                                    | <2.0  | NS            | mg/Lit  |                | 3025 (Part 39):2021                   |  |  |
| 18              | Phosphates                                      | <0.001  | NS            | mg/Lit  |                | Ith edition: 4500P- D: 2023           |  |  |

Note: NA-Not Applicable. NS- Not Specified.

Disclaimer: 'Information supplied by customers represented in Italic font'

Verified By,

Sr.Analyst



For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager **Authorized Signatory** 

The results relate to sample tested.

----End of Test Report---

Page 2 of 2

Pune: Plot No. 6-24, H Block, Lai Topi Nagat, Morewadi, MIDC, Pimpel-Chinchwad, Maharashtra 411018. Lab: 164,Shreeji Temace Apt, Plot No. 13, Puna Nagar, Chikhail, Pune: 411019 Vadodara: Plot No.1, Shah ind, Park-1, Vadodara-Savli, Londapura. 391 775 Dist, Vadodra Customer Care No.: +919225347365 Email: Info@threejiaqua.com Web: www.shreejiaqua.com Shreeji Aque is always subject to improvement for better customer satisfaction, we welcome your feedback on pune\_lab@shreejiaqua.com



Hypotettive Environmental Solutions Under Dire Hund<sup>2</sup>
 Accordited by NABL as per SCARC 17025-2017
 Enrified by ISO 9001-2015, ISO 14007-2013 & ISO 45001-2018
 Recognized by Ministry of Environment, Forest & Climate Change (MoEPCC), Gost. of India, New Delhi
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Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026. ULR No.: TC138772400010601F

|| Shreeji ||

|  |                                     |   | TEST RE                     | EPORT                 |  |   |  |  |
|--|-------------------------------------|---|-----------------------------|-----------------------|--|---|--|--|
| Sam  | ple / Report No.                    | 51/24-25/10   | /MFW/105T                   |                       |  | 29/10/202   |  |  |
| the later of the second  | ne of Customer                      |   | TA LIMITED (PI              | IG IRON               | DIANTI   |   |  |  |
| the state of the s | ress of Customer                    | SURVEY NO.  | 30/PART141.42               | /1 27/04              | AUTI ALACHIA D.O. M  | ARCELA, BICHOLIM - GOA.   |  |  |
|  | er / Reference                      | <ul> <li>BS PET TRF B;</li> </ul>   | ated 24/10/202              | 74,6:317<br>74        | ANT ANYONA, P.O. N   | GARCELA, BICHOLIM - GOA.  |  |  |
| Sam  | ple declaration as provided b       | v customer :  |                             | 4.4                   |  |   |  |  |
| Natu   | ire of Sample                       | and the second se | ona-Sandesh Naik Well Water |                       |  |   |  |  |
|  | h No.                               | NA  |                             | TT BEE                |  |   |  |  |
| and the second se  | ple Drawn by                        | SATPL on 24/  | /10/2024                    | 5                     | ample Received On  | 25/10/2024  |  |  |
| Start  | t of Analysis                       | 25/10/2024  |                             | and the second second | nd of Analysis   | 29/10/2024  |  |  |
| Samp   | ale Container                       | Plastic can   |                             | and the second second | mple Quantity  |   |  |  |
| Samp   | pling Procedure 15 3025 (Part 1)    |   |                             |                       |  | 02 fit  |  |  |
| Limit  | 5                                   |   | 00:2012 Standa              | arela .               |  |   |  |  |
| hem  | ical Testing                        |   |                             | 2100                  |  |   |  |  |
| r.No   | Parameters                          | Results   | Limits                      | Unit                  |  | Method  |  |  |
| 1  | Colour                              | <1.0  | 5.0 Max                     | Hazen IS 302          |  | The second second second  |  |  |
| 2  | pH Value                            | 7.01  | 6.5-8.5                     | The set               |  | 25 (Part 4) : 1983 R 2021<br>3025 (Part 11):2022  |  |  |
| 3  | Turbidity                           | 0.19  | 1.0 Max                     | NTU                   |  | 25 (Part 10) :1984 R 2023   |  |  |
| 4  | Total Dissolved Solids              | 80.0  | 500.0 Max                   | mg/L                  | 12 202   | 3025 (Part 16): 2023  |  |  |
| 5  | Sulphate as SO <sub>4</sub>         | 2.10  | 200.0 Max                   | mg/L                  | Contract of the local data and t | 5: (Part 24/Sec 1) :R2022   |  |  |
| 6  | Total Hardness as CaCO <sub>3</sub> | 42.0  | 200.0 Max                   | mg/L                  |  | the second se |  |  |
| 7  | Chloride as Cl                      | 12.0  | 250.0 Max                   | ma/L                  | The second   | 25 (Part 21): 2009 R 2019<br>25 (Part 32): 1988 R 2019  |  |  |
|  | Manganese as Mn                     | <0.01   | 0.1 Max                     | me/L                  | 100 ST 21 B  | 25 (Part 2): 2004 R2019   |  |  |
| Contraction of the local division of the loc | Nitrate as NO <sub>1</sub>          | 1.11  | 45.0 Max                    | mg/U                  | the second se  | 5 (Part 34): 1988 R 2019  |  |  |
| 10   | Calcium Hardness                    | 30.0  | NS                          | mg/U                  | in the second  | 5 (Part 40):1991 R 2019   |  |  |
| 11   | Magnesium Hardness                  | 12.0  | NS                          | mu/Li                 |  | 1025: Part 46:R2023   |  |  |

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

Page 1 of 2

Quanty Manager

Pune: Plot No. 9-24, H Block, Lai Topi Nagar, Morewadi, MIDC, Pimpri-Chinchwad, Maharashtra-411018. Lab: 184,Shreeji Terrace Apt, Plot No. 53, Perna Nagar, Chikhali, Pane: 411019 Vadodara: Plot No.1, Shah Ind. Park-1, Vadodara-Savil, Landapura. 391 775 Dist, Vadodra Customer Care No.: «9192253/47365 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

Sr. Analyst



#### Shree

### SHREEJI AQUA TREATMENT PVT. LTD.

Annual Section 2019 Section 2019 Constraints (Solutions Under Char Annual According by NABL as per ISO/IEC 17025:2017 Centified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Gost, of India, New Delhi

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|                           |  |   | TEST RE         | PORT     |  |   |  |  |  |
|---------------------------|--|---|-----------------|----------|--|---|--|--|--|
|                           |  | na na serie de la composición de la com | <u>25</u> 74632 |          |  | 29/10/2024  |  |  |  |
| Concernance of the second | ple / Report No.   | SL/24-25/1  | 0/MFW/105T      |          |  |   |  |  |  |
| Nam                       | e of Customer  | M/s. VEDANTA LIMITED (PIG IRON PLANT)   |                 |          |  |   |  |  |  |
| Addr                      | ess of Customer  | SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O. MARCELA, BICHOLIM - GOA.   |                 |          |  |   |  |  |  |
| Orde                      | r / Reference  | As Per TRF dated 24/10/2024   |                 |          |  |   |  |  |  |
| Samp                      | ale declaration as provided by cu                            |   |                 |          |  |   |  |  |  |
| Natu                      | re of Sample   | Amona-Sandesh Naik Well Water   |                 |          |  |   |  |  |  |
| Batch                     | h No.  | NA  |                 |          |  |   |  |  |  |
| Samp                      | ble Drawn by   | SATPL on 24   | /10/2024        | Sample   | Received On  | 25/10/2024  |  |  |  |
|                           | of Analysis  | 25/10/2024  |                 | End of / | Analysis   | 29/10/2024  |  |  |  |
| Samp                      | ale Container  | Plastic con   | 100             | Sample   | Quantity   | 02 fit  |  |  |  |
| Samp                      | Sing Procedure   | IS 3025 (Par  | (1)             | 1.0000   |  | hereit and |  |  |  |
| Limit                     | 5  | As Per IS 105   | 500:2012 Stan   | dards    |  |   |  |  |  |
| Chemi                     | ical Testing   |   |                 |          |  |   |  |  |  |
| śr.No                     | Parameters   | Results   | Limits          | Unit     |  | Method  |  |  |  |
| 12                        | Dissolved Iron   | <0.1  | 1.0 Max,        | mg/Lit   | 15.30  | 25 (Part 2): 2004 R2019   |  |  |  |
| 13                        | Conductivity   | 151   | NS              | µs/cm    |  | 24th Edition 2023/2510-8  |  |  |  |
| 14                        | Chemical Oxygen Demand<br>(COD)                              | <3.0  | NS              | mg/Lit   |  | 24 <sup>th</sup> Edition 2023/ 5220-C   |  |  |  |
| 15                        | Bio Chemical Oxygen Demand<br>@ 27 <sup>6</sup> C for 3 Days | <1.0  | NS              | mg/Lit   | 15   | 3025 (Part 44):2023   |  |  |  |
| 16                        | Total Suspended Solids (TSS)                                 | 8.0   | NS              | mg/Lit   | APHA,  | 24 <sup>th</sup> Edition 2023/ 2540-D   |  |  |  |
| 17                        | Oll & Grease   | <2.0  | NS              | mg/Lit   |  | 3025 (Part 39):2021   |  |  |  |
| 18                        | Phosphates   | <0.001  | NS              | mg/Lit   | and the second | th edition: 4500P- D: 2023  |  |  |  |

Note: NA-Not Applicable. NS- Not Specified.

The results relate to sample tested.

Disclaimer: 'Information supplied by customers represented in Italic font'

Verified By,

Sr. Analyst



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

For Shreeji Aqua Treatment Pvt.Ltd.

**Quality Manager** 

Authorized Signatory

Page 2 of 2

Pune: Piot No. 9-24, H Block, Lal Topi Nagas, Moressadi, MIOC, Pimpri-Chinchwad, Maharashtra 411038. Laliz: 164.Shreeji Terrace Apt. Piot No. 53, Purna Nagas, Chikhall, Pune: 411019 Vadodare: Piot No.1, Shah ind, Park-1, Vadodara-Savil, Lamdapura. 391 775 Dist. Vadodare Customer Care No.: +919225247365 Email: info@shreejiaqua.com Webc www.shreejiaqua.com Shreeji Aquo is always subject to improvement for better customer sutrisfaction, we walcome your feedback on pune\_lab@shreejiaqua.com



filters Lincoles (1 Accredited by NAIL as per ISC/IEC 17025/2017 Certified by ISO 9001-2015, ISO 140012015 & ISO 45001-2018 Recognized by Ministry of Environment, Forest & Climate Change (MoSFCC), Sevt. of India, New Delhi



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Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Govt. of India & NABL Valid Up to 13/06/2026. ULR No.: TC138772400010600F

|| Shreeji ||

|       |                                     |  | TEST RE               | PORT   |  | 0.000                     |  |  |  |
|-------|-------------------------------------|--|-----------------------|--|--|---------------------------|--|--|--|
| Sam   | ple / Report No.                    | 5L/24-25/10/MFW/1055 29/10/  |                       |  |  |                           |  |  |  |
|       | e of Customer                       |  | TA LIMITED (PI        | G IRON P   | IANTI  |                           |  |  |  |
| Adde  | ess of Customer                     | SURVEY NO.30(PART)41,42/1,27(PART) AMONA, P.O.MARCELA, BICHOLIM - GOA.   |                       |  |  |                           |  |  |  |
| Orde  | r / Reference                       | As Per TRF dated 24/10/2024  |                       |  |  |                           |  |  |  |
| Samu  | ole declaration as provided b       |  | and the second second |  |  |                           |  |  |  |
| Natu  | re of Sample                        | Maino-Digamber Noik Well Water   |                       |  |  |                           |  |  |  |
| Batch | 1 No.                               | NA   |                       |  |  |                           |  |  |  |
| Samp  | ale Drawn by                        | SATPL on 24/   | 10/2024               | Sam  | nple Received On   | 25/10/2024                |  |  |  |
| Start | of Analysis                         | 25/10/2024   |                       | the second s | of Analysis  | 29/10/2024                |  |  |  |
| Samp  | e Container                         | Plastic can  |                       | Sample Quantity  |  | 02 lit                    |  |  |  |
| Samp  | ling Procedure                      |  |                       |  |  | 100.00                    |  |  |  |
| Limit | santa en contratenti<br>S           | sector in the sector is a sector in the sector is a sector in the sector is a sector is a sector in the sector is a se | 00:2012 Standa        | rds -  |  |                           |  |  |  |
| hem   | ical Testing                        |  |                       |  |  |                           |  |  |  |
| ir.No | Parameters                          | Results  | Limits                | Unit   |  | Method                    |  |  |  |
| 1     | Colour                              | <1.0   | 5.0 Max               | Hazen  | 15 30  | 25 (Part 4) :1983 R 2021  |  |  |  |
| 2     | pH Value                            | 7.21   | 6.5-8.5               | للمنبور  |  | \$ 3025 (Part 11) 2022    |  |  |  |
| 3     | Turbidity                           | 0.26   | 1.0 Max               | NTU  |  | 25 (Part 10) :1984 R 2023 |  |  |  |
| 4     | Total Dissolved Solids              | 90.0   | 500.0 Max             | mg/Lit   |  | 3025 (Part 16): 2023      |  |  |  |
| 5     | Sulphate as SO <sub>4</sub>         | 2.34   | 200.0 Max             | mg/Lit   | 15 302   | 5: (Part 24/Sec 1) :R2022 |  |  |  |
| 6     | Total Hardness as CaCO <sub>3</sub> | 40.0   | 200.0 Max             | mg/Lit   |  | 5 (Part 21): 2009 R 2019  |  |  |  |
| 7     | Chloride as Cl                      | 13.0   | 250.0 Max             | mg/Uit   | and the second | 5 (Part 32): 1988 R 2019  |  |  |  |
|       | Manganese as Mn                     | <0.01  | 0.1 Max               | mg/Lit   | the second se  | 25 (Part 2): 2004 R2019   |  |  |  |
| 9     | Nitrate as NO <sub>3</sub>          | 0.11   | 45.0 Max              | mg/Lit   |  | 25 (Part 34):1988 8 2019  |  |  |  |
|       | Calcium Hardness                    | 26.0   | NS                    | mg/Lit   | the second s   | 25 (Part 40):1991 R 2019  |  |  |  |
| 10    | Magnesium Hardness                  | 14.0   | NS                    | met/Lit  | the second se  | 3025: Part 46:82023       |  |  |  |

Verified By,

Sr. Analyst.

READ CHARMAG 12-45101

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

Plot No. 5-24, H Block, Lul Topi Nagat, Morewadi, MBDC, Pimpri-Chinchwad, Mahatashina 411018. Pute: Lade -164, Shreeji Terrace Apt. Plot No. 53, Punta Nagat, Chikhali, Punte: 411019 Vadodara: Plot No.1, Shah Ind. Park 1, Vadodara-Savli, Lamdapura, 391 775 Dist. Vadodra Castomer 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@shreejiaqua.com

#### || Shreeji ||



### SHREEJI AQUA TREATMENT PVT. LTD.

Involved We Environmental Solutions Under One Roal Accedited by KABL as per SO/IEC 170252017 Centiled by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Recognized by Ministry of Environment, Forest & Climate Change (MoEFEC), Govt. of India, New Delhi

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| ÷                        |   |  | TEST RE    | PORT            |                |                                       |  |  |  |
|--------------------------|---|--|------------|-----------------|----------------|---------------------------------------|--|--|--|
|                          |   |  |            |                 |                | 29/10/202                             |  |  |  |
| ACCOUNT OF A DESCRIPTION | ple / Report No.                                |  | 0/MFW/1055 |                 |                |                                       |  |  |  |
| and the second second    | e of Customer                                   | M/s. VEDANTA LIMITED (PIG IRON PLANT)                                |            |                 |                |                                       |  |  |  |
| Adds                     | ress of Customer                                | SURVEY ND.30(PART)41,42/1,27(PART) AMONA,P.O.MARCELA,BICHOLIM - GOA. |            |                 |                |                                       |  |  |  |
|                          | r / Reference                                   | As Per TRF dated 24/10/2024  |            |                 |                |                                       |  |  |  |
| Sam                      | ple declaration as provided by cu               | stomer :   |            |                 |                |                                       |  |  |  |
| Natu                     | re of Sample                                    | Maina-Digamber Naik Well Water                                       |            |                 |                |                                       |  |  |  |
| Batci                    | h No.   | NA   |            |                 |                |                                       |  |  |  |
| Samj                     | ole Drawn by                                    | SATPL on 24  | /10/2024   | Samp            | le Received On | 25/10/2024                            |  |  |  |
| Start                    | of Analysis                                     | 25/10/2024   |            | End of          | f Analysis     | 29/10/2024                            |  |  |  |
| Samp                     | ale Container                                   | Plastic can  |            | Sample Quantity |                | 02 lit                                |  |  |  |
| Samp                     | sling Procedure                                 | 15 3025 (Par   |            |                 |                |                                       |  |  |  |
| Limit                    | 5   | As Per IS 10500:2012 Standards                                       |            |                 |                |                                       |  |  |  |
| Them                     | ical Testing                                    |  |            |                 |                |                                       |  |  |  |
| ir.No                    | Parameters                                      | Results  | Umits      | Unit            |                | Method                                |  |  |  |
| 12                       | Dissolved Iron                                  | <0.1   | 1.0 Max.   | mg/Lit          | 15 30          | 25 (Part 2): 2004 82019               |  |  |  |
| 13                       | Conductivity                                    | 140  | NS         | µs/cm           | APHA,          | 24th Edition 2023/2510-B              |  |  |  |
| 14                       | Chemical Oxygen Demand<br>(COD)                 | <3.0   | NS         | mg/Lit          |                | 24 <sup>th</sup> Edition 2023/ 5220-C |  |  |  |
| 15                       | Bio Chemical Oxygen Demand<br>@ 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 <sup>th</sup> Edition 2023/ 2540-D |  |  |  |
| 17                       | Oil & Grease                                    | <2.0   | NS         | mg/Lit          |                | 3025 (Part 39):2021                   |  |  |  |
| 1.8                      | Phosphates                                      | <0.001   | NS         | mg/Lit          |                | Ith edition: 4500P- D: 2023           |  |  |  |

Note: NA-Not Applicable. NS- Not Specified.

The results relate to sample tested.

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

Verified By,

Sc. Analyst.

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

MIRÉHWUH MIRÉHWUH For Shreeji Aqua Treatment Pvt.Ltd.

Quality Manager

Authorized Signatory

Page 2 of 2

Panet Piot No. 8-34, H Block, Lai Topi Nagar, Morewald, MDC, Pimpri-Chinchwod, Maharashtra 431018. Labs 164,Shreeji Temace Apt. Piot No. 53, Purra Nagar, Chikhall, Pune: 411019 Vadadases Piot No.1, Shah Ind. Park-1, Vadodara-Savik, Lamdapuna. 391 775 Dist. Vadodra Castomer Care Noz +919225347365 Email: Infogstreejiaqua.com Web: www.shreejiaqua.com Shreeji' Aqua is always subject to Improvement for better contentor satilifaction, we welcome your feedback on pune\_lab@shreejiaqua.com

MUMBAL PUNE OVADODARA

## <u>Annexure XVI</u> Noise monitoring reports

[|Shreeji ||



#### SHREEJI AQUA TREATMENT PVT. LTD.

Inneutive Contronnental Solution Under Ose Aus/ Accepted by NABL as per ISO/EC 170253017 Control by ISO 99012015, ISO 140012015 & ISO 4500-2018 Recognized by Ministry of Environment, Patent & Climate Change (MoEFCC), Sevt. of India, New Onlin PENVIRONMENT = FOOD = ANIMAL FOOD & FEED = MICROBIOLOGY



Laboratory Recognized by Ministry of Environment, Forest & Climate Change, Gevt. of India & NABL Valid Up to 13/00/2025. ULR: TC138772400011286F

| TEST REPORT                              |   |  |  |  |  |  |
|--|---|--|--|--|--|--|
| Lab Inward No. : \$L/24-25/11/MNM/154M   | Date of Sampling : 26-27/11/2024                        |  |  |  |  |  |
| Bent Name :                              | Start of analysis : 26/11/2024                          |  |  |  |  |  |
| M/s. VEDANTA LIMITED                     | End of Anatysis : 27/11/2024                            |  |  |  |  |  |
| IRON AND COKE PLANTS, AMONA AND NAVELIM, | Report Date : 30/11/2024                                |  |  |  |  |  |
| BICHOLIM-GOA                             | Sample Drawn By I SATPL Representative on 26-27/11/2024 |  |  |  |  |  |
| A LI LA L                                |   |  |  |  |  |  |

Order / Reference: As per TRF dated 26/11/2024

|         |  |                        | AMBIENT NOISE LEVEL M   | ONITORING                        |                       |                       |  |  |
|---------|--|------------------------|---|----------------------------------|-----------------------|-----------------------|--|--|
| 5i.     |  | LOCATIONS              |   | NOISE LEVEL READING IN<br>dB (A) |                       |                       |  |  |
| No.     |  | LUCATIONS              |   | DAY TIME<br>AVG                  |                       | HT TIME<br>AVG        |  |  |
| 1       | Near Am                                | iona Gate              |   | 61.5                             |                       | 57.6                  |  |  |
| - 2     | Opp. BSI                               | NL Exchange            |   | 64.2                             |                       | 54.6                  |  |  |
| 3       | Near MC                                | D Gate                 |   | 62.2                             |                       | 54.1                  |  |  |
| . 4     | Near Sat                               | teri Temple            |   | 61.3                             | 53.7                  |                       |  |  |
| 5       | Compou                                 | nd Wall Towards Nav    | elim  | 63,6                             | 52.8                  |                       |  |  |
| 161     | Compou                                 | nd Wall Towards Main   | na  | 64.8                             | J. C. C. (C194)       | 51.7                  |  |  |
| Nisclai | mer-"Infor                             | nation supplied by cus | monitoring report all the para<br>tomers represented in italic<br>nment (Protection) Bules, 1986* | font'                            | o the limits.         |                       |  |  |
|         | Aces                                   | Category of Area       |   | Limits in dB(A) U                | eg                    |                       |  |  |
|         | Code                                   | Country of weat        | Day Te  | 10                               | Alight Time           |                       |  |  |
|         | 100                                    | Industrial Area        | 75  |                                  | 70                    |                       |  |  |
|         | 680                                    | (8) Conversial Area    |   |                                  | .55                   |                       |  |  |
|         | (C) Relidential Aces<br>(D) Seece Zone |                        | 53  |                                  | 45                    |                       |  |  |
|         |  |                        | - 50  |                                  | 7.40                  | -                     |  |  |
|         | 1.25                                   |                        | EQUIPMENT CALIBRATIO  | N DETAILS                        | and the second second | - 10                  |  |  |
| Sr. No. | 8                                      | Equipment Name         | Equipment ID  | Certificate                      | Calib                 | ration Detail         |  |  |
|         |  |                        |   | No.                              | Collibrated Date      | Colliberations Date 1 |  |  |

| Set No. | Equipment Name                          | Equipment 10       | Certificate | Calibration Detail |                      |  |  |
|---------|---|--------------------|-------------|--------------------|----------------------|--|--|
|         |   |                    | No.         | Calibrated Date    | Calibration Due Date |  |  |
| 0629682 | Sound Level Meter with<br>data logger-1 | SATPL/AIR/SEM-2/15 | ME03237     | 38/03/2024         | 17/05/2025           |  |  |

For Shreeji Aqua Treatment Pvt. Ltd.

SJ M Managing Director Authorized Signatory



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

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- Page 1 of 1

 Paner Plot No. B-34, H Block, Lal Topi Nagar, Microwadi, MIOC, Pimpri-Chinchwad, Mahanahtra 411018, Labi 164,Shree3 Terrace Apt. Plot No. 53, Parna Hagar, Chikhali, Paner 411019 Vadoetere: Plot No. 1, Shah Ind. Park-1, Nedoetara-Savli, Lamidapura, 391 775 Dist. Vadoetere Customer Care No.: +019225247365 Email: Inforshreejiaqua.com Web: www.shreejiaqua.com

through Agon to always awhitest to improvement for better customer sufficienties, we welcome your feedback on pure. Jubgebreejingun.com





11.00

#### SHREEJI AQUA TREATMENT PVT. LTD.

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ret, of India, New Delhi

Accession by NABL as per ISO/RE 170252017 Certificative ISO ROPI doits, ISO 14001-2018 & ISO 45001-2018 Recognized by Ministry of Environment, Forest & Climate Change (MadPCC), Garri, of India, New Delhi

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Laboratory Recognized by Ministry of Environment, Forest & Elimate Change, Govt. of India & WABI, Valid Up to 51/06/2026. ULR: TC138772500012963F

| T  | EST REPORT  |
|--|---|
| Lab Inward No. : SL/24-25/02/MNM/246K          | Date of Sampling : 11-12/02/2025                        |
| Client Name :                                  | Start of analysis : 11/02/2025                          |
| M/s. VEDANTA LIMITED                           | End of Analysis : 12/02/2025                            |
| IRON AND COKE PLANTS, AMONA AND NAVELIM,       | Report Date : 15/02/2025                                |
| BICHOLIM-GOA                                   | Sample Drawn By : SATPL Representative on 11-12/02/2025 |
| Order / Reference: As per TRF dated 11/02/2025 |   |

|           | AMBIENT NO                    | DISE LEVEL MONITORING           |                   |  |  |  |
|-----------|-------------------------------|---------------------------------|-------------------|--|--|--|
| Sr.<br>No | LOCATIONS                     | NOGE LEVEL READING IN<br>dB (A) |                   |  |  |  |
|           |                               | DAY TIME<br>AVG                 | NIGHT TIME<br>AVG |  |  |  |
| 1         | Near Amona Gate               | 66.7                            | 60.1              |  |  |  |
| 2         | Opp. BSNL Exchange            | 68.1                            | 57,4              |  |  |  |
| 3         | Near MCD Gate                 | 63.9                            | 52.7              |  |  |  |
| 4         | Near Satteri Temple           | 59.5                            | 50.1              |  |  |  |
| £         | Compound Wall Towards Navelim | 65.3                            | 54.5              |  |  |  |
| 6         | Compound Wall Towards Maina   | 62.2                            | 56.4              |  |  |  |

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:

| Arma | Category of Area      | Limits in #B(A) Log |            |  |  |  |  |
|------|-----------------------|---------------------|------------|--|--|--|--|
| Code | erseeffen is ee seame | Day Time            | Might Time |  |  |  |  |
| (A)  | Industrial Area       | . 75                | - 20       |  |  |  |  |
| 1111 | Commercial Area       | 65                  | -55        |  |  |  |  |
| 101  | Residential Area      |                     | 45         |  |  |  |  |
| (0)  | Silence Zene          | 50                  | 40         |  |  |  |  |

| Sr. No. | Equipment Name                         | Equipment ID      | Certificate No.   | Calibration Detail |                         |  |
|---------|--|-------------------|-------------------|--------------------|-------------------------|--|
|         |  | APOKING ADDA DO   | on see not beyond | Calibrated Date    | Calibration<br>Due Date |  |
| 0629681 | Should Level Minter with data logger-1 | 1411C/AR/50M-2/15 | ME03237           | 16/05/2024         | 17/01/201               |  |



-End of Test Report-

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

Page 1 of 1.

Managing Director

**Authorized Signatory** 

Parent Flat No. 2-24, Hillinsk, Lal Topi Nagar, Morewell, MIDC, Perpil Chardrovel, Maturautors, 411018

Lafe: 184.50 very Terrace Apt. Plan No. 53, Purns Negar, Childredt, Purns 413010

Vadoulana: Pint Wu, 1, Shah Ind, Paris 1, Vistodara-Savil, Lamplapora, 391 775 Dist. Vadostva

Custamer Care Raz (719225287305 Email: Infraßsteintjoguszum: Web: www.phrenjoguszum

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### <u>Annexure XVII</u> Solar power installation

# 100KW Solar power installation



### <u>Annexure XVIII</u> <u>SUP free awareness sessions</u>







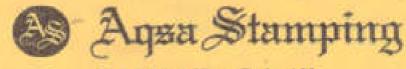


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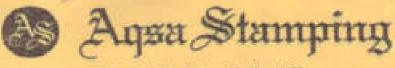


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## FORM 6 [See Rule 19] E-WASTE MANIFEST

Piol No. 55; Rengara Ind. Estata, 33/35; Kiravali (Adivali), Opp. Irani Masjid, Old Thane - Pune Road, Dhelviaer, Tel. - Parvel, District Riagad - 410208.Mob.: 09820 026815, 09769 204602.

|      | 1             | Sender's Name and Mailing Address   | 1    | VEDANTA LID, MET COKE DIV I   |
|------|---------------|---|------|---|
|      |               | (including Phone No.)   |      | AMONA/NAVELIM, TAL. BICHOLIM, GOA -403107   |
|      | 2             | Sender's Authorization No.<br>If Applicable   | ÷.   | 12/2024-PCB/2267759/R00015589   |
| 100  | 1             | Manifest Document No.   | 1    | 073(2024-25)  |
| ~    | 4             | Transporter's Name &<br>Address: (Including Phone No.)  |      | Aque stamping.  |
|      | 5             | Type of Vibicle   |      | (Seneral .  |
|      | 0             | Transporter's Registration No.  | Ť    | pria.   |
| _    | 7             | Vehicle Registration No.  |      | GAOSV 1547  |
|      | 1             | Receiver's Name and Address   | 1    | AQISA STAMPING, Plot No. 55, Rangers Ind. Estate, 33/35,<br>Histovill (Advall), Opp. Ironi Masjkt, Old Thane - Pune Road,<br>Dhatasar, Tal Parivel, Datrict Ranged - 410208, Tel.:08629 026815  |
|      | 9             | Receiver's Authorization No.<br>If Applicable   | 1    | MPC8/RO(HQ)/HSM0/Autho/20/EW-10<br>Consent No. BO/MPC8/RO(HQ)/RD/CR/8-2011000619  |
|      | 10            | Description of E-Weste<br>(Item, Weight/Numbers):   | -i   | Air conditioner haptep, meniter<br>CPU, UPS, PCB proster scanner & nut<br>Total Bity - 0.750 M  |
|      | 11            | Name and Stamp of Sender* (Manual<br>or Hefurbisher or Dismoutler):   | aon. | urer or Producer or Bulk Consumer or Collection Centre  |
| °A   | AN            | Share Strate  |      | Manth Day Year  |
| 1    | 12            | Temporter's Acknowledgment of R   | ecui | and the second se |
| 2    |               | the second se |      |   |
| R    |               | For AQSA STAL   |      | Signature Month Day Year<br>101G  |
| No.  | 2             | P 1   |      | 01182025  |
| 0.00 | 15            | Receiver*(Collection Centre or Mills  | dina | ikei@e Dismantler un Resyster)  |
|      | - Contraction | Name & Stamp:   | _    | Signature Month Day Year  |
| 10   | 140           | For AQSA STAN   | PI   | ING   |
| R    | THE R         |   |      | 0/14 2025   |
| 13   | 114           | hoplicable  |      | (1) Yellow : Sender (2) Pink : Receiver / Recycler<br>(3) Orange : Transporter (4) Green : Receiver   |



FORM 6 [See Rule 19]

## E-WASTE MANIFEST

Pict No. 55, Rangara Indi. Estate, 33/35, Kiravali (Adivali), Opp. Irani Masjid, Old Thane - Pune Road, Dhahistar, Tal. - Panval, District Riagad - 410208 Mob.: 09820 026815, 09769 204602.

| 1    | Sonder's Name and Mailing Address<br>(archiding Phone No.) |            | AMONA                 | NAVELI                                    | Y, TAL    | BICHO   | LIM GI                | 3A-40                   | 3107    |
|------|--|------------|-----------------------|---|-----------|---|-----------------------|-------------------------|---------|
| 2    | flender's Authorisation No.<br>If Applicable               | 1          | 12/20                 | 24-P                                      | 8/21      | 9714<br>attal.  | 23/1                  | 00015                   | 270     |
| 3    | Manifest Document No.                                      |            | 041(                  | 2024-21<br>6 Sta                          |           | _   |                       | _                       |         |
| 4    | Transporter's Name &<br>Addron: (Including Phone No.)      |            | Ags                   | 0 590                                     | mpary     | 9   |                       |                         |         |
| 15   | Type of Vehicle  |            |                       | *Devel                                    | •         |   |                       |                         |         |
| 6    | Transporter's Registration No.                             | E.         |                       | No the                                    |           |   |                       |                         |         |
| 7    | Vahiole Registration No.                                   |            | G                     | ROSV                                      | 154       | 7   |                       |                         |         |
| -    | Reperiet's Name and Address                                | 18         | AQSA S                | TAMPING, P<br>Advali), Opp<br>Tel Panvel, | lat No. 1 | 55, Reny  | of Thursday           | Puter F                 |         |
| 9    | Receiver's Authorisation No.<br>If Applicable              | 1          | Consent               | O(HQ)/HSM<br>No. BO/MPC                   | C8/RO0H   | IQ/RDA  | CR/8-201              |                         |         |
| 10   | Description of E-Waste<br>(Dem, Weight/Numbers):           | 1          | and the second second | urs,                                      |           |   |                       |                         | stritte |
| 11   | Name and Stamp of Sender* (Manuf                           | facts.     | eur or Prod           | acer or Bulk C                            | Jonnau a  | or Colle  | ction Cent            | ne                      |         |
|      | Signature Chi  | ~          | · ſ                   | Month                                     | Day       | 4   | 20                    | Year                    | 3-      |
| .12  | Transporter's Acknowledgiathror R<br>E-Waste               | ece        | pt of                 |   |           |   |                       | -                       |         |
| i al | Typed Name & Stamp   | 9          | ignature              | Month                                     | Day       | 1   |                       | Year                    |         |
| 1    | For AQSA STAM  | <b>FIN</b> | G                     |   |           |   |                       |                         | -       |
| 12   | 1 E  | 2          | 2                     | 01  | 1         | 5   | 20                    | 2                       | 1       |
| ED   | Receiver* (Collection Cantre or Refle                      | ania       | ber or Dian           | mutter or Recy                            | voler)    |   |                       |                         |         |
| -    | Name & Stamp   | 3          | gneture               | Manth                                     | Day       |   |                       | Year                    |         |
| 界些   | For AQSA STAM  | PIN        | G                     |   |           |   |                       |                         |         |
| 1-2  |  | -          |                       | 01  | 1         | A   | 20                    | 2                       | 5       |
| *A   | applicable Prop  | rie        |                       | 1) Yelkow : B<br>3) Orange : T            |           | and the second se | Pink : Re<br>Gmen : R | oeiver / Ri<br>laceiver | scycler |

pa cha

| _   | /Se  | form - 6<br>e Rule 19J<br>TE MANIFEST |  |  |  |
|-----|--|---------------------------------------|--|--|--|
| 1.  | Sender's Name and Mailing Address:<br>(Including Phone No.)                | 0832-23                               | Amona Ga   |  |  |
| 2   | Sender's Authorization No., if applicable:                                 | 12/2020-966                           | 3/531074/K   | 0004147                                      |  |
| 3,  | Manifest Document No.:   |                                       | 124/02   |  |  |
| 4.  | Transporter's Name and Address;<br>(Including Phone No.)                   | AMAIN E-<br>Add : SNO 2<br>-Talason   | Nate Recyc<br>ols, Plot No. 79<br>, Dist Palgha<br>India   | 1075 Prt. Gal<br>1-89, Anogaen<br>r - 401606 |  |
| 5.  | Type of Vehicle:   |                                       | R   SPECIAL VEHR   | CLE  |  |
| 6.  | Transporter's Registration No.:  | -                                     |  |  |  |
| 7.  | Vehicle Registration No.:  | GA04T1465                             |  |  |  |
| ð.  | Receiver's Name & Address:   | Add. : S. No. 20/                     | STE RECYCL<br>5, Plot No. 79-89, A<br>istrict: Palghar - 40<br>tra, INDIA                                      | maann  |  |
| 9.  | Receiver's authorization No., if applicable:                               |                                       |  |  |  |
| 10, | Description of E-Washe:<br>(Item, Weight / Numbers)                        | Ac/Laprop/IC                          | the second s | Nos.   |  |
| 11, | Name and stamp of Sender* (Manufacture or F<br>Refurbisher or Dismantler): | roducer or Bulk Cons                  | auther or Collection   | Centre or                                    |  |
|     | Name & Stamp: Signature  | /                                     | MMDD   | Y Y Y Y<br>2024                              |  |
| 12, | Transporter acknowledgement of receipt of E-1                              | Waste:                                |  |  |  |
|     | Name & Stamp: Signature:   | Salman)                               | MMDD   | Y Y Y Y                                      |  |
| 13, | Receiver* (Collection Centre or Refurbisher or<br>E-Waster of F444         | Dismantier or Recycl                  | er) certification of   | receive of                                   |  |
|     | Name Signature:  |                                       | M M D D Y  | <u> </u>                                     |  |

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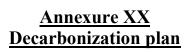
Form - 6 [See Rule 19] E-WASTE MANIFEST Nedanta limited (PIGIRON) Amona-Goa Sender's Name and Mailing Address: 1 (Including Phone No.) 08322385209 (Senjey, Pinal @ vecta where co. 12/2023-PCB 1754884 R00012787 Sender's Authorization No., if applicable: 2. MAY2024/02 Manifest Document No.: З. Aman E-wase Recycles PVr Utd. Ada SNO 2015, Plot No 7959, Amgaon Talasan, Dist Bulgaar - 401606 Transporter's Name and Address: 4. (Including Phone No.) M.H. India TRUCK | TANKER | SPECIAL VEHICLE Type of Vehicle: 5 Transporter's Registration No .: 6. GA 04 T 1465 7. Vehicle Registration No.: AMAN E-WASTE RECYCLERS Pvt. Ltd. Receiver's Name & Address: 8. Add. 1 S. No. 20/5, Plot No. 79-89, Amgaon Talasari, District: Palghar - 401606 Maharashtra, INDIA MPC8/RO(8MW)/HSMD/AUTH/23/H&OW/29 Receiver's authorization No., if applicable: Q Nos. Weight E- Washe Description of E-Waste: 10. (Item, Weight / Numbers) 0-490 Name and shamp of Sender\* (Manufacture or Producer or Bulk Consumer or Collection Centre or 11. Refurbisher or Dismission): Signature Name & Sturbly Transporter acknowledgement of receipt of E-Waste: 12 Name & Stamp: Signature Imar Receiver\* (Collection Centre or Refurbisher or Dismantler or Recycler) certification of receivt of 13. E-W 1.15 24.0 Signature: St. Stat March 620 As applicable

Aqsa Stamping

## FORM 6 [See Rule 19] E-WASTE MANIFEST

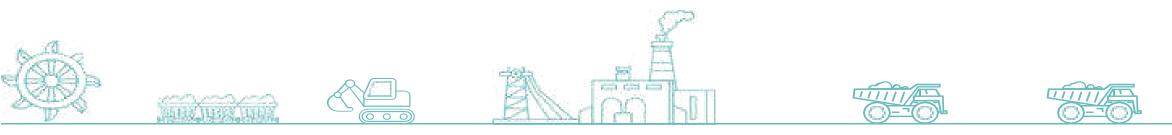
Piol No. 55, Rangara Indi, Estate, 33/26, Kiravall (Adivali), Opp. trani Masjid, Old Thane - Pune Road, Dhehinar, Tal. - Panvel, District Riagad - 410206.Mob : 09820 026815, 09769 204602.

| 1   | Sender's Name and Mailing Address<br>(including Phone No.)          | I     |                | DANTA LTD   |  | IRID             |           |             | 2P 31    |
|---|---|-------|----------------|---|--|------------------|-----------|-------------|----------|
| 2   | Sender's Authorization Ne.  | 1     | 12             | IONA/NAVE   | B/STO  | 810-10<br>225-// | UM (      | 50A-<br>428 | 405107   |
| 1.1   | Manifest Document No.   | 1     | 0              | 74(2024-  | 201  |                  | att       | 1 24        | 101/2020 |
| 4   | Transporter's Hume &<br>Address: (Including Phone No.)              |       | 11.5           | Contraction of the statement  | stany  | ming.            |           |             |          |
| 5   | Type of Vahicle   |       | -              | Cheney-a  | 1  |                  | _         | _           |          |
| 6   | Transporter's Registration No.                                      | -     |                | NA.   |  |                  |           |             |          |
| T   | Vahinla Registration No.  |       |                | GAUSV   | 1547   | -                | _         | _           |          |
|   | Receiver's Name and Address   |       | Programmer and | AQBA STAMPING, Plot No. 55, Rangara Ind. Estate, 33/35,<br>Knaval (Adival), Opp. Irani Masjid, Old Thane - Pane Road,<br>Dhatmar, Tal Panval, District Raigad - 410205, Tal. 09420 025815 |  |                  |           |             |          |
| 9   | Receiver's Authorisation No.<br>If Applicable                       |       | MPC<br>Cons    | MPCB/RO(HQ)HSMD/Autho/20/EW-10<br>Consent No. BO/MPCB/RO(HQ)/RD/CR/B-2011000619   |  |                  |           |             |          |
| 10  | Description of E-Wate<br>(htm, Weight/Numbers):                     | 1     | Ar             | Condition Provident   | B. for   | aptop.           | ne<br>Seu | nite        |          |
| ANT   | Name and Stamp of Sender* (Manufa-<br>gr Refurbisher or Dismantler) |       | m or P         | roducer or Dulk C   | openance of  | Collection       | Centra    | 070         | inr      |
|   | Year Day  |       |                | Month   | Day  |                  | Y         | ur.         |          |
| III S   | Dinaponer's Acknowledgement of Rec                                  | -     |                |   | 1. 9   | 2                | -0        | 2           | -2-      |
|   | H-Waite   | ertu. |                |   |  |                  |           |             |          |
|   | Typed Name & Stamp  |       | -              |   |  | _                | _         |             |          |
| 14  | NA  |       | saltire.       | Month   | Day  |                  | Ye        | ar 🛛        |          |
| 国府  | For AQSA STAMPING   |       |                |   |  |                  |           |             |          |
| 53  | 1Z  |       |                | 011   | 10   | 100              |           |             |          |
| 13  | Receiver*(Collection Carlins or Belints)                            | ther  | or Die         | mander of Bernie  | <u></u>  |                  | -01       | -2-         | 100      |
|   |   |       | natore         | Month   | Day  |                  | 8.4       | _           |          |
| Car   | For AQSA STAMPING   |       |                | - Notice  | 1999   |                  | Yn        | Ш.          |          |
| 12  | . or index of indiantic   |       |                |   |  |                  |           |             |          |
| 19  |   |       |                | 01  | 14   |                  | E.I.      | 2           | E        |
| As applicable Proprietor (1) Yellow : Sender (2) Pink : Receiver / Recycler |   |       |                |   |  |                  |           |             |          |
|   |   |       |                | (3) Orange : Tra  | and the second | 4) Green         |           |             | TACHOL.  |



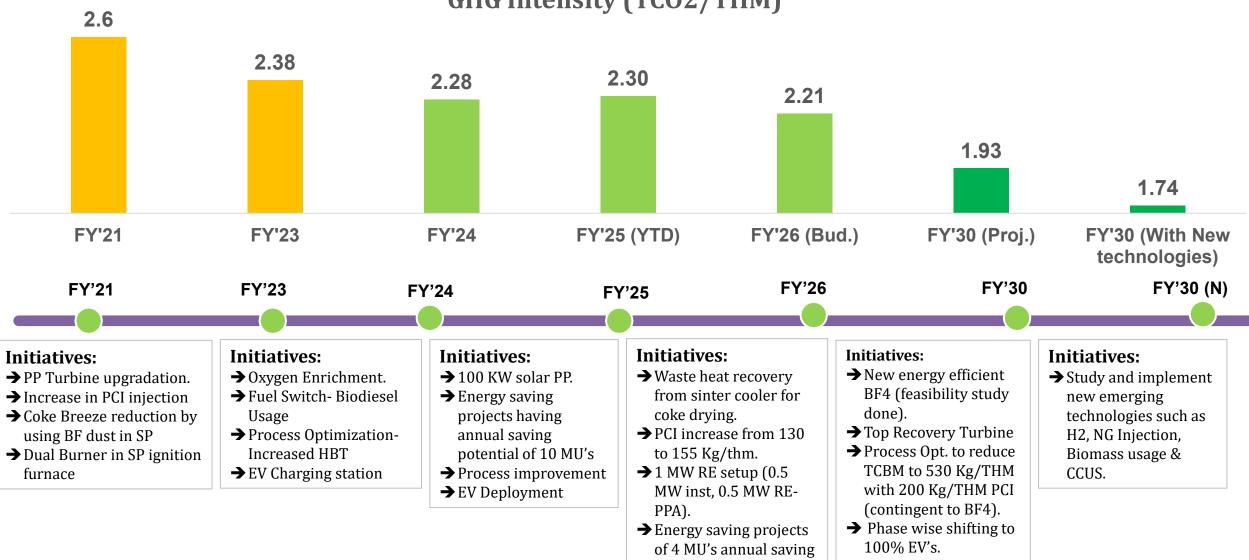






VEDANTARESOURCESLIMITED-OIL&GAS | ZINC&SILVER | POWER | ALUMINIUM | IRONORE | STEEL | COPPER





## **GHG Intensity (TCO2/THM)**



## FY'26 Projects (Projected intensity 2.21 TCO2/THM)

| S. No. | Project Description   | Impact (in TCO2) | Impact (in TCO2/THM) |  |  |  |
|--------|---|------------------|----------------------|--|--|--|
|        | PROJECT FOR THE YEAR FY'26                                      |                  |                      |  |  |  |
| 1      | Waste heat recovery from sinter cooler for coke drying.         | 10155            | 0.010                |  |  |  |
| 2      | PCI increase from 130 to 155 Kg/thm with New PCI unit.          | 13475            | 0.013                |  |  |  |
| 3      | Reducing TCBM from 600 to 582 Kg/THM                            | 58925            | 0.056                |  |  |  |
| 4      | Energy saving projects having annual saving potential of 4 MU's | 2840             | 0.003                |  |  |  |

## FY'26-30 Projects (Projected cumulative intensity 1.93 TCO2/THM)

| S. No. | Project Description   | Impact (in<br>TCO2) | Impact (in<br>TCO2/THM) |
|--------|---|---------------------|-------------------------|
|        | PROJECTS TILL FY'30   |                     |                         |
| 1      | New Energy Efficient blast furnace  | 295876              | 0.148                   |
| 2      | Increasing PCI from 155Kg/THM to 200 Kg/THM                               | 46200               | 0.023                   |
| 3      | Process Optimization to reduce TCBM to 530 Kg/THM with 200 Kg/THM PCI     | 126133              | 0.063                   |
| 4      | Waste heat recovery from Sinter pant for coke drying                      | 31533               | 0.016                   |
| 5      | Top Recovery turbine  | 42600               | 0.021                   |
| 6      | Other initiatives for using Alternate fuel, EV and energy saving projects | 5000                | 0.003                   |
|        | Sensitivity: Public (C4)  | 547342              | 0.28                    |

# **Alternate Fuels (With advancement in technology)**



Figure 15 Coal consumption can be reduced significantly through the use of alternative fuels



## **Projected cumulative intensity 1.73 TCO2/THM**

| S. No.   | Project Description   | Impact (in<br>TCO2) | Impact<br>(in<br>TCO2/T<br>HM) |
|----------|---|---------------------|--------------------------------|
|          | Hydrogen Injection @ 13 Kg/THM replacing 33 Kg/THM of coke  | 208120              | 0.104                          |
|          | Natural Gas @ 74 SCM/THM replacing 55<br>KG/THM of coke.    | 82690               | 0.041                          |
| <b>≺</b> | Biomass Injection @ 50 Kg/THM replacing 25<br>KG/THM of PCI | 82167               | 0.041                          |
| 4        | CCUS installation- 40 TPD.                                  | 14825               | 0.007                          |
|          |   | 387801              | 0.19                           |

### Source: Council on Energy, Environment & Water (CEEW)



# **Thank You**

### <u>Annexure XXI</u> <u>Heat stress study reports</u>



### **Final Report**

Quantitative Exposure Assessment Monitoring

### Conducted at

Value Added Business (VAB)- Sesa Goa Iron Ore plant, Goa

Assessment Period: 21<sup>st</sup> to 23<sup>rd</sup> September, 2023

Date of Final Report: 23<sup>rd</sup> 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



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| 3. 1    | Results and Observations   | 4        |
| 4. 1    | Recommendations  | 5        |
| 5. /    | Abbreviations  | 5        |
| Appendi | ces:   |          |
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| Appendi | x 2: Evaluator's CIH Certificate                                       | 7        |
| Appendi | x 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 <u>*TLV-TWA as*</u> <u>per ACGIH</u>.

### 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 <sup>2</sup> |
|----------------------|-----------------------|
| 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 hipping. He had completed loading of 16 chipping trucks for 80 minutes and hipping 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       | merican Industrial Hygiene Association                    |  |  |  |  |  |
| ABIH       | merican 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.<br>no. | Date       | Department              | Activity                     | Vehicle<br>Number   | Employee<br>name | Location       | Start time | End time | Duration<br>(Min) | Current<br>Exposure<br>m/s² | Daily 8<br>hours<br>exposure<br>m/s <sup>2</sup> | ACGIH exposure<br>limit for current<br>exposure | ACGIH exposure<br>limit for daily<br>exposure |
|------------|------------|-------------------------|------------------------------|---------------------|------------------|----------------|------------|----------|-------------------|-----------------------------|--|---|---|
| 1          | 22/09/2023 | Dispatch<br>area PID- 1 | Wheel<br>loader<br>operation | Samim Ali           | MH09 GF<br>3742  | Screening area | 9:25       | 11:34    | 2:09              | 0.357                       | 0.686  | 1.69  | 0.87  |
| 2          | 22/09/2023 | PID- 1                  | Wheel<br>loader<br>operation | Shivchandra         | GA06 E<br>0698   | Plant- 5       | 12:25      | 14:22    | 1:57              | 0.319                       | 0.645  | 1.95  | 0.87  |
| 3          | 22/09/2023 | MCD                     | Wheel<br>loader<br>operation | Shubhash<br>Kumar   | GA06 D<br>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<br>loader<br>operation | Sanjay<br>Prajapati | GA04 E<br>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<br>loader<br>operation | Sambha<br>Naik      | MH14 TCF<br>500  | Dispatch area  | 15:02      | 16:45    | 1:43              | 0.362                       | 0.778  | 2.04  | 0.87  |

### Heat stress exposure results:

|         |           |            |                                |      | WBGT Meter             |                               |                              |                |            |             |   |   |
|---------|-----------|------------|--------------------------------|------|------------------------|-------------------------------|------------------------------|----------------|------------|-------------|---|---|
| Sr. no. | Sample ID | Department | Location                       | Time | Globe Temp.<br>Tg (°C) | Wet bulb<br>Temp. Twb<br>(°C) | Dry bulb<br>Temp. Td<br>(°C) | WBGT i<br>(°C) | RH<br>(°C) | Dew<br>(°C) | Metabolic rate of<br>acclimatized workers<br>and allocation of work<br>in a cycle of work and<br>recovery | ACGIH<br>exposure<br>limit- TLV<br>(°C) |
| 1       | WBGT-1    | PID-1      | PCM hot metal<br>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<br>and metal dom<br>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<sup>a</sup> (ABIH<sup>a</sup>) credentialing division for initial certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

### Certified Industrial Hygienist® (CIH®)

The aforenamed 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.



SERIES

Credential Number: Award Date: Expiration Date: 12177 CP November 4, 2020 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**



Ar-Billion, Regiment Gargiany

### Certificate of Calibration

Gertificate Number 2205040818119W050006

Model: QuesTemp<sup>2</sup> 32 SN: TPIN050000 Date immediat-May-2022

On this step of manufacture and calibration, TSI certifies that the skove listed product meets or exceeds the performance requirements of the following standard(s):

BS EN 27243(1994), ISO 7243(1986) - Hot environments. Eztimation of the heat stress on working man based on the WBGT-index (wet butb globe temporature)

Test Conditions: Tamp: 18-25°C Humidity: 25-30% PLH. Barametric Pressure: 850-1010 mBar

Test Procedure: 8058-758

Subassembles:

Etlandest School Bar NA

Referenzie Stanfarti(s):

Device Plake 45 Fluite 1524 Thermometer Auf Disentent Cal Due 23-Peio-2023 23-Feio-2023

Uncertainty - Estimated at 1975, Confidence Level (072)

+/- 1.4% AC Vellage, +/-8 1% DC Vollage

45-0.06 Degrees C Temperature

Calibrated By:



In order to manager load individual performance over lans and in the event of instaction, solid or Rigidian, no docommend the restatuent be resallinated annually. Any number of factors may cause the collevitor to drift lactors the recommended interval has express. See user manual for many intervalse.

As equipment upon in the test and calibration of this maturement is traceable to MST, and equiles only to the unit identified above. This report must not be reproduced, proop in its entirely, without the wetter approval of TSL Inc.

236-636 Pey 0

Page 1.012



TSI INCORPO

ISI INCORPORATED - OCONOMOWOC

Dis Departs Onter Tree Company, M 1808 (DA WILL 40, 2011) + 121 East 200040077 + web work talant

Ac-50 500 Repaired Series

### **EU Declaration of Conformity**

Certificate Namber:220504061817PW050005

Product Line: Area Heat Stress Munitor

Model: QuanTerg\* 32

- 8/H: TPV/D60004

**Directives Covered:** 

EMC / Caunal Directive 2014/30/EU on Electromagnetic Compatibility

Belefy I Council Directive 2014/35/EU on Low Votage Ecupment Safety

RoHS / Council Directive 2011/85/EU on the restriction and use of contain hazardous substances.

WEEE / Council Directive 2012/18/EU on waste electrical and electronic equipment.

The basis on which conformity is being declared:

EN 61325-1 (2005) Electrical agapteent for measurement, control and laboratory use - EMC requiremente Group 1, Class 8 Equipment (enterioris)

EN 61328-1 (2005) Electrical equipment for measurement, control and laboratory use - EMC requirements industrial Location Immunity

EC61010-1 (2010) Safety requirements for electrical equipment for measurement, control, and leboralory use Part 1: General requirements

CFR-47 (2004) Code of Federal Regulations: Part 18 Subport S - Radio Frequency Devices - Unimeridanel Rediatore

EN 50581 (2012) Technical documentation for the essentiment of electrical and electronic products with respect to the restriction of hazardous substances

Now. The reeffection opplay is of attended option and accounting supplies with the instrument.

At the and of its Me cycle, this product, and any internal power cell, must be sent to a WEEE respring center, and is marked associatight. The technical construction for required by this character is maintained in Ocenomicson, WI USA

and a

Tom Justitivian - Vice President - Engineering, TBI, Inc.

Page 2 of 2

### <u>Annexure XXIII</u> <u>Efficiency monitoring reports</u>



# <u>METAMORPHOSIS</u>™

# LABORATORY PRIVATE LIMITED

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### **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                               | 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 |   |  |                               |                          |  |  |  |
|    |   |   | <b>Report Date : 10.11.2024</b>                              |                               |                          |  |  |  |

### 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 (Nm3/hr) | 98190.7               | 100815.75             |

### **ANALYSIS REPORT**

|                                | RESU  | JLT    | Operating    |                    |                      |
|--------------------------------|-------|--------|--------------|--------------------|----------------------|
| PARAMETER                      | Inlet | Outlet | Efficiency % | Methods            | Unit                 |
| Particulate Matter (TPM / SPM) | 712.6 | 7.25   | 99.0 %       | IS: 11255 (Part 1) | mg / Nm <sup>3</sup> |

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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

\*\*End of Report\*\*

**Authorized Signatory** 

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### **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)      | 1236                  | 12.25                 |
| Flue Gas Discharged (Nm3/hr) | 121272                | 122978                |

### ANALYSIS REPORT

|                                | RESU  | JLT    | Operating    |                    |                      |
|--------------------------------|-------|--------|--------------|--------------------|----------------------|
| PARAMETER                      | Inlet | Outlet | Efficiency % | Methods            | Unit                 |
| Particulate Matter (TPM / SPM) | 781.0 | 9.7    | 98.7 %       | IS: 11255 (Part 1) | mg / Nm <sup>3</sup> |

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<sup>SM</sup> Laboratory Private Limited, Bangalore

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**Authorized Signatory** 

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### **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  |                  | 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 (Nm3/hr) | 53299                 | 62310                 |

### **ANALYSIS REPORT**

|                                | RESU         | JLT  | Operating    |                    |                      |
|--------------------------------|--------------|------|--------------|--------------------|----------------------|
| PARAMETER                      | Inlet Outlet |      | Efficiency % | Methods            | Unit                 |
| Particulate Matter (TPM / SPM) | 758.8        | 5.35 | 99.30 %      | IS: 11255 (Part 1) | mg / Nm <sup>3</sup> |

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<sup>SM</sup> Laboratory Private Limited, Bangalore

\*\*End of Report\*\*

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### **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   | M/S Vedanta Limited           |                          |  |  |
|----|--------------------------|---|---|-------------------------------|--------------------------|--|--|
| 2. | Customer Address         | : | Amona,Navelim, Bicholim - Goa                                       | 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 (Nm3/hr) | 48382                 | 46678                 |

### **ANALYSIS REPORT**

|                                | RESU  | JLT    | Operating    |                    |                      |
|--------------------------------|-------|--------|--------------|--------------------|----------------------|
| PARAMETER                      | Inlet | Outlet | Efficiency % | Methods            | Unit                 |
| Particulate Matter (TPM / SPM) | 656.7 | 5.95   | 99.2 %       | IS: 11255 (Part 1) | mg / Nm <sup>3</sup> |

*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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

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### **TEST REPORT**

### No. 2024100085

| 1. | Name of the Project    | : | M/S Vedanta Limited  |                  |                          |  |
|----|------------------------|---|--|------------------|--------------------------|--|
| 2. | Customer Address       | : | Amona, Navelim, Bicholi  | m - Goa          |                          |  |
| 3. | Sample Location        | : | MCD I &II, Bag House of Coke Screening Plant – II & Screening Tower – I<br>(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     | •                        |  |

### 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 (Nm3/hr) | 19418                 | 19026                 |

### ANALYSIS REPORT

|   | RESULT |        | Operating    |                    |                      |  |  |
|---|--------|--------|--------------|--------------------|----------------------|--|--|
| PARAMETER   | Inlet  | Outlet | Efficiency % | Methods            | Unit                 |  |  |
| Particulate Matter (TPM / SPM)  | 456.3  | 5.25   | 98.8 %       | IS: 11255 (Part 1) | mg / Nm <sup>3</sup> |  |  |
| NS - Not Specified Notes The result & informace partains to the sample tested only and parameters as por the requisition of the |        |        |              |                    |                      |  |  |

*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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

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### **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   | M/S Vedanta Limited           |                          |  |
|----|------------------------|---|---|-------------------------------|--------------------------|--|
| 2. | Customer Address       | : | Amona, Navelim, Bicholim - Goa  | Amona,Navelim, Bicholim - Goa |                          |  |
| 3. | Sample Location        | : | MCD I &II ,Bag House of Coke Screening Plant – II & Screening Tower – II<br>(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   |                               |                          |  |
|    |                        |   | <b>Report Date : 10.11.2024</b>   |                               |                          |  |

### 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**

|                                | RESU  | JLT    | Operating    |                    |                    |
|--------------------------------|-------|--------|--------------|--------------------|--------------------|
| PARAMETER                      | Inlet | Outlet | Efficiency % | Methods            | Unit               |
| Particulate Matter (TPM / SPM) | 523.3 | 7.15   | 98.7 %       | IS: 11255 (Part 1) | mg/Nm <sup>3</sup> |

*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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

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### **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  | 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<br>(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 (Nm3/hr) | 20389                 | 19716                 |

### ANALYSIS REPORT

|  | RESULT<br>Inlet Outlet |     | Operating    |                    |                    |  |
|--|------------------------|-----|--------------|--------------------|--------------------|--|
| PARAMETER  |                        |     | Efficiency % | Methods            | Unit               |  |
| Particulate Matter (TPM / SPM)   | 493.7                  | 6.6 | 98.7 %       | IS: 11255 (Part 1) | mg/Nm <sup>3</sup> |  |
| NC - Not the solition. Notes The regult P inference portains to the same be tested only and name store as nor the requisition of the |                        |     |              |                    |                    |  |

*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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

\*\*End of Report\*\*

**Authorized Signatory** 

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RecognizedthroughNABLaccreditationISO/IEC17025:2017,CertificationNo:13926,Validityfrom20.06.2024to19.06.2026ValidityValidity



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### **TEST REPORT**

### No. 2024100088

### EFFICIENCY REPORTS OF BAG HOUSE OF CAST HOUSE BLAST FURNACE – III PIG IRON DIVISION - II

|    | 1                        |   |  |                  |                          |  |  |
|----|--------------------------|---|--|------------------|--------------------------|--|--|
| 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 (Nm3/hr) | 225235                | 231088                |

### ANALYSIS REPORT

|                                | RESU  | JLT    | Operating    |                    |                    |
|--------------------------------|-------|--------|--------------|--------------------|--------------------|
| PARAMETER                      | Inlet | Outlet | Efficiency % | Methods            | Unit               |
| Particulate Matter (TPM / SPM) | 487.9 | 6.4    | 98.8 %       | IS: 11255 (Part 1) | mg/Nm <sup>3</sup> |

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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

\*\*End of Report\*\*

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LABORATORY HEAD (NEELAKANDAN)



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



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Т **TEST REPORT** 

### Ε

No. 2024100089

| EF | 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<br>(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. | 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 (Nm3/hr) | 237429                | 236328                |

### **ANALYSIS REPORT**

|                                | RESU  | JLT    | Operating    |                    |                      |
|--------------------------------|-------|--------|--------------|--------------------|----------------------|
| PARAMETER                      | Inlet | Outlet | Efficiency % | Methods            | Unit                 |
| Particulate Matter (TPM / SPM) | 418.1 | 7.5    | 98.2 %       | IS: 11255 (Part 1) | mg / Nm <sup>3</sup> |

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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

\*\*End of Report\*\*

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LABORATORY HEAD (NEELAKANDAN)

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### 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 (Nm3/hr) | 1407654               | 1393766               |

### **ANALYSIS REPORT**

|                                | RESU         | JLT | Operating    |                    |                    |
|--------------------------------|--------------|-----|--------------|--------------------|--------------------|
| PARAMETER                      | Inlet Outlet |     | Efficiency % | Methods            | Unit               |
| Particulate Matter (TPM / SPM) | 782.4        | 6.5 | 99.30 %      | IS: 11255 (Part 1) | mg/Nm <sup>3</sup> |

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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

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**TEST REPORT** 

### No. 2024100091

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

| 1  | No                       |    |   |                               |                          |  |  |  |
|----|--------------------------|----|---|-------------------------------|--------------------------|--|--|--|
| 1. | Name of the Project      | :  | M/S Vedanta Limited   |                               |                          |  |  |  |
| 2. | Customer Address         | :  | Amona,Navelim, Bicholim - Goa                                 | 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 (Nm3/hr) | 245832                | 219490                |

### **ANALYSIS REPORT**

|                                | RESU  | JLT    | Operating    |                    |                    |
|--------------------------------|-------|--------|--------------|--------------------|--------------------|
| PARAMETER                      | Inlet | Outlet | Efficiency % | Methods            | Unit               |
| Particulate Matter (TPM / SPM) | 652.3 | 5.8    | 99.2 %       | IS: 11255 (Part 1) | mg/Nm <sup>3</sup> |

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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

\*\*End of Report\*\*

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### **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 (Nm3/hr) | 183911                | 190005                |  |  |

### ANALYSIS REPORT

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

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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

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### **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                           | M/S Vedanta Limited   |                          |  |  |  |
|----|--|---|---|---|--------------------------|--|--|--|
| 2. | Customer Address   | : | Amona, Navelim, Bicholim - Goa                | Amona,Navelim, Bicholim - Goa   |                          |  |  |  |
| 3. | Sample Location  | : | Proportioning Bin Bag House Sinter I          | 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. | 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 (Nm3/hr) | 188111                | 183044                |  |  |

### **ANALYSIS REPORT**

|                                | RESULT |        | RESULT       |                    |                    |  |  |
|--------------------------------|--------|--------|--------------|--------------------|--------------------|--|--|
| PARAMETER                      | Inlet  | Outlet | Efficiency % | Methods            | Unit               |  |  |
| Particulate Matter (TPM / SPM) | 586.3  | 6.25   | 99.0 %       | IS: 11255 (Part 1) | mg/Nm <sup>3</sup> |  |  |
|                                |        |        |              |                    | 0.                 |  |  |

*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 <sup>SM</sup> Laboratory Private Limited, Bangalore              |

\*\*End of Report\*\*

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### **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        | Amona,Navelim, Bicholim - Goa |                                |  |  |  |
| 3. | Sample Location  | : | Flux & Fuel Bag House of Sinter Plan | nt - Pig Iron Divisio         | on – 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. | 7. Instrument used : Eco Tech Instruments – MLPL/INS/088 |   |                                      |                               |                                |  |  |  |
|    | <b>Report Date : 10.11.2024</b>                          |   |                                      |                               |                                |  |  |  |

### 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 (Nm3/hr) | 78910                 | 79115                 |  |  |

### ANALYSIS REPORT

|                                | RESU         | JLT  | Operating    |                    |                    |
|--------------------------------|--------------|------|--------------|--------------------|--------------------|
| PARAMETER                      | Inlet Outlet |      | Efficiency % | Methods            | Unit               |
| Particulate Matter (TPM / SPM) | 506.3        | 6.45 | 98.9 %       | IS: 11255 (Part 1) | mg/Nm <sup>3</sup> |

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<sup>SM</sup> Laboratory Private Limited, Bangalore

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### <u>Annexure XXIV</u> EC advertisement in newspapers

## EC advertisement on local newspapers



## EC advertisement on local newspapers



### <u>Annexure XXV</u> Copies submitted to local bodies



28/10/2024

Ref No. VAB/ENV/2024-25/39

TH.

North Goa Zilla Panchayat Junta House, 3<sup>rd</sup> Lift,5<sup>th</sup> Floor Panaji, Tiswadi, Goa-403001

Subject: Submission of Environment Clearance copy

### Sir.

We would like to inform your good office that we have received Environment Clearance for our expansion project for Value added Business at Vedanta Ltd. Amona – Navelim Goa vide EC identification No EC24A1001GA5281560N dated 18/10/2024. We are submitting herewith the copy of Environmental Clearance for your reference.

Thanking you, ..

Yours faithfully.

For Vedanta Limited - Value Added Business

Sapterin Sardesai

CEO-Value Addeil Business Vedanta Ltd. Amona, Gos

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Ref No. VAB/ENV/2024-25/40

26/10/2024

To, District Magistrate Collectorate North, Panaji, Gua-403001

Subject: Submission of Environment Clearance copy

### Sit.

We would like to inform your good office that we have received environment clearance for our expansion project for Value added Business at Vedanta Ltd. Amona – Navelim Goa vide EC identification No ECI4A1001GA5281560N dated 18/10/2024. We are submitting herewith the copy of Environmental Clearance for your reference.

Thenking you,

Vours faithfully,

For Vedanta Limited -- Value Added Business

Saptesh Bardesai

CED-Value Added Business Vedanta Ltd. Amona, Goa

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Ref No. VAB/ENV/2028-25/41

- 38/10/2024

To, Directorate of Industries trade and commerce Udyog Bhawan, Fanay, Goa- 403001

Subject: Submission of Environment Clearance copy

#### Sir.

We would like to inform your good office that we have received environment clearance for our expansion project for Value added Business at Vedanta Ltd. Amona - Navelim Goa vale EC Identification No EC24A1001GAS2815EDN dated 15/10/2024. We are submitting herewith the copy of Environmental Clearance for your reference.

Thanking you,

Yours faithfully.

For Vedanta Limited - Value Added Business

Sagtesh Sardesai

CEO-Value Added Business Vedanta Ltd. Amona, Goa

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Ref No. VAB/ENV/2024-25/42

28/30/2024

To, . Deputy Collector &500 Udyog Bhavan, Panaji,Goa-403001

Subject: Submission of Environment Clearance copy

### 50,

We would like to inform your good office that we have received environment clearance for our expansion project for Value added Business at Vedanta Ltd. Amona – Navelim Goa vale BC identification No EC24A1001GA5281560N dated 18/10/2024. We are submitting herewith the copy of Environmental Clearance for your reference.

Thanking you,

Yours faithfully,

For-Vedanta Limited - Value Added Business

Soptesh Serdesai

CEO Valut Added Business Vedanta Ltd. Amona, Goa

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Ref No. VAB/ENV/2024-25/43

1 28/10/2014

Bicholim, Goz-403504

Subject: Submission of Environment Clearance copy

### Sir,

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Thanking you,

Yours faithfully,

Fair Vedanta Limited - Value Added Business

Sagtesh Sardesai

CERLING added Business

Vedanta Ltd. Amona, Goa

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Ref No. VAB/ENV/2024-25/44

28/10/2024

Tis Sankhali Municipal Council Dessai Nagar, Sankhali,Goa-403509

Subject: Submission of Environment Clearance copy

#### Sec.

We would like to inform your good office that we have received environment clearance for our expansion project for Value added Business at Vedanta Ltd. Amona – Navelim Goa vide EC identification No EC24A1001GA5281560N dated 18/10/2024. We are submitting herewith the copy of Environmental Clearance for your reference.

Thanking you,

Yours faithfully,

For Vedanta Limited - Value Added Business

Saptesty Saldesal



CEO Value Added Business Vedanta Ltd. Amona, Goo

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Bull No. VA8/ENNI/3024-35/45

28/10/2024

To. Amona Panchayat, Bicholim-Gox 403107

Subject: Submission of Environment Clearance copy

Sir.

We would like to inform your good office that we have received environment clearance for our expansion project for Value added Business at Vedanta Ltd. Amona – Navelim Goa vide tic identification No.EC3AA10010AS281560N dated 18/10/2024. We are submitting herewith the copy of Environmental Glearance for your reference.

Thanking you,

Yours faithfully.

For Vodarta Limited - Value Added Business



CED-Value Added Business Viedants Ltd. Amona, Gra-

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Ref No. VAB/ENV/2024-25/46

28/10/2024

To, Nevelim Panchayat Bicholim-Gde 403107

Subject: Submission of Environment Dearance copy

511,

We would like to inform your abod office that we have received environment clearance for our expansion project for Value added Business at Vedanta Ltd. Amona – Navelim Goa vale BC identification No EC34A1001GA5381560N dated 38/30/2024. We are submitting herewith the copy of Environmental Overance for your reference.

Thanking you. Yours faithfully, For Vedanta Limited – Value Added Business

Sastern Gardente CEO-Value Added Business Vedanta Ltd. Amona, Goa

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Ref No. VAB/ENV/2024-25/47

28/10/2024

To,

Chief Imspector of Factories and Boilers Government of Goa Inspectorate of Factories and Boilers Altenbo, Panaji, Goa

Subject: Submission of Environment Clearance copy

#### Sir,

We would like to inform your good office that we have received environment clearance for our expansion project for Value added Business at Vedanta Ltd. Amona – Navelim Goa vite EC Identification No EC24A1001GA5281560N dated 18/10/2024. We are submitting herewith the copy of Environmental Clearance for your reference.

Thanking you, Yours faithfully, For Vedanta Limited – Value Added Business

Saptesti Sardesai CEO Value Added Business Vedanta Ltd. Amona, Goa

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### <u>Annexure XXVI</u> <u>Digital display board</u>

# Digital Display Board

