

REGISTERED A.D.

DZS/ENV/A-01/ENV/2024/ *31*

Date: 27/11/2024

To,  
Member Secretary  
Rajasthan State Pollution Control Board  
4, Institutional Area, Jhalana Doongri,  
Jaipur-302004

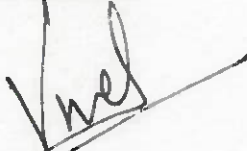
**Sub: Compliance report for Zinc Smelter (80,000 ton to 1,00,000 ton) at Debari, Udaipur, Rajasthan by Hindustan Zinc Limited.**

**Ref.: J-11011/479/2006-IA.II(I) dated 19<sup>th</sup> /25<sup>th</sup> March, 2008**

Dear Sir,

With reference to the above-mentioned subject, please find enclosed herewith the compliance report of stipulated condition of Environment clearance for the period from **April 2024 to Sept 2024** for Zinc Smelter, Debari.

Thanking you,  
Yours faithfully



(Vivek Yadav )  
SBU Director, ZSD

*OIC*

- C.C. : 1. Regional Officer,  
Rajasthan State Pollution Control Board  
F-470, Mewar Industrial Area, UCCI-UDAIPUR (RAJ)-313001  
2. Scientist 'D' & In charge  
Zonal Office (Central),  
Central Pollution Control Board, 3rd Floor, Sahkar Bhawan,  
North T.T. Nagar, Bhopal- 462003  
3. The Deputy Director (S)/ Scientist- C,  
Ministry of Environment, Forest & Climate Change  
Integrated Regional Office, A- 209 & 218, Aranya Bhawan,  
Jhalana Institutional Area, Jaipur (Rajasthan) - 302004



**HINDUSTAN ZINC**

Zinc & Silver of India

**Six Monthly Compliance Report  
of  
Environmental Clearance Conditions  
for**



**Zinc Smelter Debari  
M/s Hindustan Zinc Limited  
Debari – 313024, Udaipur, Rajasthan**

**For the period  
1<sup>st</sup> April 2024 to 30<sup>th</sup> Sept 2024**

**( EC Letter No. J-11011/479/2006-IA .II (I) dated 19<sup>th</sup> March, 2008)**

**Nov, 2024**

S. No.	Particulars	Details
1	Name of Project	M/s Hindustan Zinc Limited, Zinc Smelter Debari
2	Address of Project	M/s Hindustan Zinc Limited, Zinc Smelter Debari, Village Debari, District- Udaipur, Rajasthan
3	Environment Clearance Letter no & Date	Letter No. J-11011/479/2006-IA .II (I) dated 19 <sup>th</sup> March, 2008
4	Status of Project	Operational

Zinc Smelter Debari of Hindustan Zinc Limited, located at Udaipur District of Rajasthan, over a lease area of 190.05 Ha. The smelter is based on hydrometallurgical zinc smelting technology through Roast-Leach-Electrowinning process.

S. No.	Unit	Capacity	Year of Commissioning	Production (FY 23-24)
1	Zinc Smelter	Zn: 1,00,000 TPA	1968	78214MT

Details of Consents to Operate & Hazardous Waste Authorization (HWA) granted to unit are given below:

Unit Name	CTO / HWA References File Nos.
<b>CTO Details</b>	
Zinc Smelter, Debari	F(HDF)/Udaipur(Girwa)/1328(1)/2022-2023/7460-7462 Dtd:17/03/2023
Captive Power Plant (D.G. Set 2x7.4 MW)	F(HDF)/Udaipur(Girwa)/1338(1)/2023-2024/6961-6963 Dtd: 07/02/2024
MCTP	F(HDF)/Udaipur(Girwa)/1330(1)/2023-2024/4374-4376 Dtd: 09/10/2023
Zinc Smelter Township	F(CPM)/Udaipur(Girwa)/17(1)/2018-2019/2817-2819 Dtd: 11/11/2019
Zinc Smelter Hospital	F(BMW)/Udaipur(Girwa)/7008(1)/2021-2022/1340-1341, dtd: 21/01/2022.
<b>HWA Details</b>	
Zinc Smelter, Debari	F(HSW)/Udaipur(Girwa)/7034(1)/2022-2023/7463-7465 Dtd: 17/03/2023

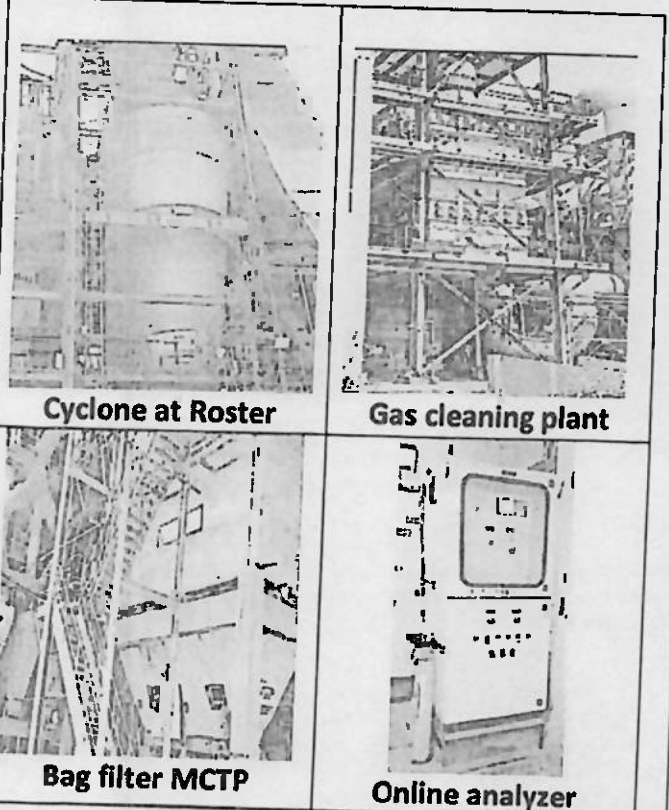
**Name of the project:** Expansion of Zinc Smelter (80,000 TPA to 1,00,000 TPA) at Debari, Udaipur Rajasthan by M/s Hindustan Zinc Ltd. – Environmental clearance regarding

**Project Code:**

**Clearance Letter No.:** J-11011/479/2006-IA.II (I) dated 19th / 25th March, 2008

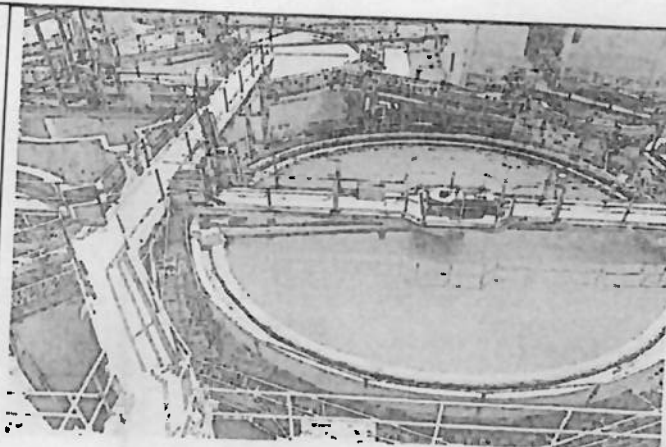
**Period of Compliance Report:** 01<sup>st</sup> April 2024 to 30 Sept 2024

**Specific Conditions:**

Sr.No	Condition	Compliance Status
1	<p>The company shall install on-line stack emission monitoring equipments for continuous monitoring of SO<sub>2</sub>, NO<sub>x</sub>, SPM and O<sub>2</sub> and all the pollution control measures shall be interlocked. The company shall install fume extractors and bag filters to control the emissions from all melting and casting units including Moore cake treatment plant. Cyclone, scrubber, wet ESP, Fluoride removal plant, absorption tower, demister etc. shall be installed in the Sulphuric acid plant I &amp; II to control dust and SO<sub>2</sub> emissions within the stipulated limits of 50 mg/Nm<sup>3</sup> and reports submitted to the Ministry including its Regional Office at Lucknow, CPCB and RSPCB.</p>	<p>All PCM's like Cyclone, scrubber, wet ESP, absorption tower, demister, etc. have been installed.</p> <p>Bag filters and fume extractors are provided and are operated efficiently in Zinc Melting, casting unit, Calcine handling system and Moore cake treatment plant.</p> <p>Online analysers for SO<sub>2</sub>, NO<sub>x</sub>, SPM and emission are installed and connected to PCB server. All PCEs are interlocked. AAQ monitoring reports for the period April 24 to Sept'24 are attached as Annexure – 1 and also reported to Pollution Control Board.</p> <div data-bbox="837 1108 1508 1915">  <div data-bbox="837 1489 1141 1534">Cyclone at Roster</div> <div data-bbox="1189 1489 1508 1534">Gas cleaning plant</div> <div data-bbox="837 1859 1141 1904">Bag filter MCTP</div> <div data-bbox="1189 1859 1508 1904">Online analyzer</div> </div>



2	SO <sub>2</sub> emissions shall be controlled less than 1.5 Kg/ton of Sulphuric acid (H <sub>2</sub> SO <sub>4</sub> ) produced and acid mist less than 50 mg/Nm <sup>3</sup> .	<p>SO<sub>2</sub> &amp; Acid mist have been monitored on regular basis.</p> <table><tr><th rowspan="2">Parameter Month</th><th colspan="2">Roaster-2</th><th colspan="2">Roaster-3</th></tr><tr><th>SO<sub>2</sub> (mg/N m<sup>3</sup>)</th><th>Acid Mist (mg/N m<sup>3</sup>)</th><th>SO<sub>2</sub> (mg/N m<sup>3</sup>)</th><th>Acid Mist (mg/N m<sup>3</sup>)</th></tr><tr><td>April' 24</td><td>193.7</td><td>28.5</td><td>162.0</td><td>25.8</td></tr><tr><td>May' 24</td><td>180.6</td><td>28.1</td><td>171.4</td><td>29.0</td></tr><tr><td>June' 24</td><td>165.9</td><td>25.5</td><td>188.9</td><td>28.4</td></tr><tr><td>July' 24</td><td>155.4</td><td>22</td><td>174.6</td><td>26.9</td></tr><tr><td>Aug' 24</td><td>184.4</td><td>27.0</td><td>193.7</td><td>28.9</td></tr><tr><td>Sept' 24</td><td>192.0</td><td>23.0</td><td>182</td><td>24.5</td></tr></table> <p>All stack monitoring reports for the period April 24 to Sept'24 are attached as <b>Annexure – 1A</b></p>	Parameter Month	Roaster-2		Roaster-3		SO <sub>2</sub> (mg/N m <sup>3</sup> )	Acid Mist (mg/N m <sup>3</sup> )	SO <sub>2</sub> (mg/N m <sup>3</sup> )	Acid Mist (mg/N m <sup>3</sup> )	April' 24	193.7	28.5	162.0	25.8	May' 24	180.6	28.1	171.4	29.0	June' 24	165.9	25.5	188.9	28.4	July' 24	155.4	22	174.6	26.9	Aug' 24	184.4	27.0	193.7	28.9	Sept' 24	192.0	23.0	182	24.5
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3	Secondary fugitive emissions from all the sources including Roaster plant shall be controlled, regularly monitored and data submitted to the Regional Office at Lucknow, CPCB and RSPCB.	<p>Fugitive emission have been monitored and results are regularly submitted to RSPCB. Reports for the period April'24 to Sept'24 are attached as <b>Annexure – 1 B.</b></p>																																							
4	<p>Total water requirement from Udai Sagar Dam shall not exceed 8,000 m<sup>3</sup>/day as per the agreement signed with Govt. of Rajasthan. No ground water will be used.</p> <p>As reflected in the EIA/EMP, all the effluent generated from gas cleaning plant, Sulphuric acid plant, anode &amp; cathode washing, demineralization plant and cooling tower shall be treated in the effluent treatment plant (ETP). The treated effluent shall conform to the prescribed standards and recycled to maintain the 'zero' discharge. Sewage shall be treated in sewage treatment plant (STP).</p>	<p>Total water consumption does not exceed 7,100 m<sup>3</sup>/day.</p> <p>Sources of fresh water is Mansiwakal and treated water from Common Sewage Treatment Plant. No ground water is abstracted for use.</p> <p>The effluents from these sources are treated in Effluent Treatment Plant followed by ETP(Capacity 5760 KLD) and further in RO-ZLD with MVR system (Capacity 3000 KLD) to ensure effective treatment and Zero Liquid Discharge (ZLD) and to improve quality and quantity of treated water and its recycling in process. All treated water is being used in process. Additional RO-ZLD with MVR system is also ensures effective and mechanized evaporation and treatment of Reject generated from treatment process.</p>																																							



**Effluent treatment plant (ETP)**

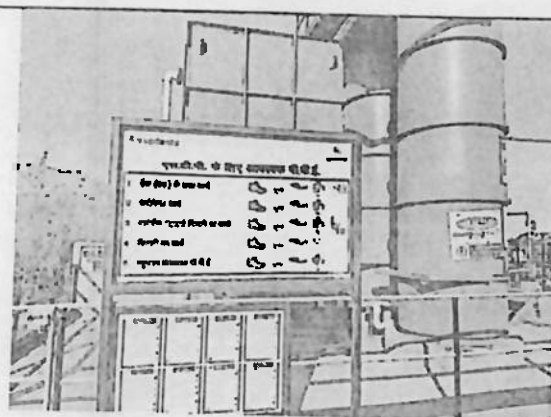
The sample of treated effluent are regularly collected and analyzed as per IS & CPCB approved procedures & treated effluent confirms the limits prescribed by the Board.

The treated water is recycled and zero discharge is maintained.

Reports of treated effluent for the period April'24 to Sept'24 are attached as **Annexure -2**.

Domestic effluent from plant and colony is treated in sewage treatment plant (STP). Reports of treated effluent of plant & colony for the period April'24 to Sept'24 are attached as **Annexure -3A & 3B**.

Results of Piezowells for period of April'24 to Sept'24 are attached as **Annexure -4**.




**Sewage treatment plant (STP)**

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All the process residues, spent catalyst, Cobalt cake, anode mud, cooler cake, Copper cake etc. shall be disposed off in common hazardous

- Anode mud are recycled & Cooler cake, Spent catalyst are disposed at CTDF Gudli. Copies of manifest are submitted to RSPCB every month.
- Waste oil/used oil are sold to registered

	<p>waste management facility (CHWMF) at Gudli of M/s Ramky.</p> <p>The Jarosite sludge shall be neutralized with hydrated lime and disposed off in secured landfill (SLF) inside the plant premises. ETP sludge in the form of cake shall be recycled in the Moore cake treatment Plant. Waste/used oil shall be sold to registered recyclers. Valid membership to CHWMF shall be obtained.</p>	<p>recyclers.</p> <ul style="list-style-type: none"> <li>• 100 % of Jarosite generated from process is being sent for co-processing in cement industries.</li> <li>• ETP sludge is disposed off in common hazardous waste management facility (CHWMF) at Gudli of M/s Re sustainability.</li> <li>• All the process residues &amp; other Hazardous wastes are handled &amp; disposed as per granted Authorization &amp; HWR-2016.</li> <li>• Membership no. 373 obtained for CHWMF through UCCI, Udaipur vide letter no. UCCI/HWM-373/2023-24.</li> </ul>
6	<p>As proposed in EIA/EMP, canopy based green belt of adequate width and density in and around the periphery of plant in 67.5 ha. Out of total 190.05 ha. Shall be developed as per CPCB guidelines.</p>	<p>Around 76 hectare area is covered under green belt out of lease area of 190.05 hectare including lawns. Green belt developed in the factory is maintained .</p> <div data-bbox="884 860 1449 1160" data-label="Image"> </div> <p><b>Plantation view around the plant area</b></p> <div data-bbox="836 1196 1449 1415" data-label="Image"> </div> <div data-bbox="836 1415 1155 1630" data-label="Image"> </div> <div data-bbox="1155 1415 1474 1630" data-label="Image"> </div>
7	<p>Permission and recommendations of the State Forest Department regarding impact of the proposed expansion on surrounding 18 reserve forests shall be obtained and all the recommendations shall be implemented. Further, Conversation Plan for the conservation of wild</p>	<p>In consultation with forest department following actions are taken for conservation of wild fauna around premises:</p> <ul style="list-style-type: none"> <li>• Display board for awareness indicating conservation of wild fauna.</li> <li>• Total 20000 no. plantation done in FY 23-24.</li> <li>• Total 16200 no Plantation done till FY 24-25</li> <li>• Preservation of trees and shrubs for</li> </ul>

	<p>fauna in consultation with the State Forest Department shall be prepared and implemented.</p>	<p>providing better niche for the animals.</p> <ul style="list-style-type: none"> <li>Regular maintenance with dedicated team and other resources is being done for existing plant, parks and green belt cover in factory area is carried out.</li> <li>Awareness program conducted for employees and their families on the occasion of National energy conservation day, Water day, Biodiversity day, Earth day &amp; World Environment Day.</li> </ul> 
8	<p>Regular medical examination and health monitoring of all the employees for Lead (Pb) and Cadmium (Cd) shall be carried out and if cases of presence of Lead (Pb) and Cadmium (Cd) are detected, necessary compensation shall be arranged under the existing laws. A competent occupational health physician shall be appointed to carry out medical surveillance. Occupational health of all the workers shall be monitored for relevant parameters and records maintained for at least 40 years from the beginning of the employment or 15 years after the retirement or cessation of employment whichever is later.</p>	<p>Regularly, all the employees are undergoing periodical medical check-ups for health impact due to industrial activity. Check up for lead and cadmium is carried out for all workmen working in that area and randomly for others. The blood samples are analyzed by expert team of HZL. We are having qualified &amp; experienced medical officers with us.</p> <ol style="list-style-type: none"> <li>Dr. Sumit Siroya – MBBS, PGDD, FID, AFIH with 13 years experience.</li> </ol> <p>Records are maintained as per requirement.</p>
9	<p>All the recommendations made in Charter for Corporate Responsibility for Environment Protection (CREP) for Zinc Smelter shall be implemented.</p>	<ul style="list-style-type: none"> <li>Meeting SO<sub>2</sub> emission 950 mg/NM<sup>3</sup> 1.5 Kg/tonne of 100% H<sub>2</sub>SO<sub>4</sub> produced, 50 mg/Nm<sup>3</sup> of acid mist.</li> <li>Online SO<sub>2</sub> monitoring system has been installed at Acid Plant-2 &amp; Acid Plant-3 and real time data</li> </ul>



is transmitted to PCB server. It is working satisfactorily.

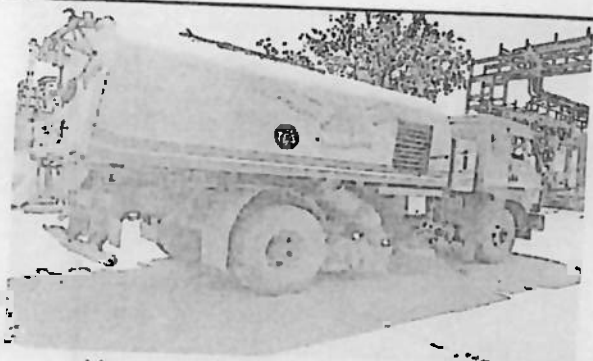
- Solid and Hazardous Waste disposal: 100 % of Jarosite generated from process is being sent for co-processing in cement industries and other wastes are recycled / disposed as per authorization under HW (M, H & T) Rules 2016.
- Wastewater treatment and disposal: Dedicated ETP plant and RO-ZLD Plants are in operation and zero discharge is maintained by reuse/recycle. Domestic effluent is treated in STP and treated water is used in plantation.
- Housekeeping: Reduction of the generation of fugitive dust by Water spray, Regular water spray on roads and drain cleaning in entire plant area, routine cleaning activities, using Mechanical and hand- driven road vacuum cleaners and by installing Bag filters in Zinc melting, Calcine handling system and Moore cake section to minimize the dust emission.



Water spray tanker



Vaccum cleaner- Road sweeper

		 <p>Vaccum cleaner- Road sweeper</p> <ul style="list-style-type: none"> <li>Green Belt: The details of developed greenbelt as per CPCB guidelines is as below: Total ZSD area: 190.05 Hectare Green-belt area: 76.0 Hectare</li> </ul>
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**General Conditions:**

Sr. No	Condition	Compliance Status
1	The project authorities must strictly adhere to the stipulations made by the Rajasthan State Pollution Control Board (RSPCB) and the State Government.	Noted
2	No expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Noted
3	<p>The gaseous emissions from various process units shall conform to the standards prescribed by the concerned authorities from time to time.</p> <p>The Rajasthan State Pollution Control Board (RSPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.</p> <p>At no time, the emissions level shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not</p>	<ul style="list-style-type: none"> <li>The emission results are mentioned above against specific condition no. 1 &amp; 2 and are well within prescribed standards.</li> <li>The emission is well within the prescribed limit.</li> <li>All the pollution control equipment are interlocked.</li> </ul>

	be restarted until the control measures are rectified to achieve the desired efficiency.																														
4	<p>Adequate number of ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with the Rajasthan State Pollution Control Board.</p> <p>Data on ambient air quality and stack emission shall be regularly submitted to the Ministry including its Regional Office at Lucknow and the CPCB/ RSPCB once in six months.</p>	<ul style="list-style-type: none"><li>Four ambient air quality monitoring stations are established in consultation with Rajasthan State Pollution Control Board. Reports are submitted to statutory authorities periodically.</li><li>Third party monitoring of Ambient air quality carried out by NABL, RSPCB and MoEF&amp;CC accredited laboratory is attached as Annexure 1. The result are submitted to concern authority on regular basis. The average values of reporting period are given as below:</li></ul> <table><tr><th rowspan="2">Parameter</th><th colspan="4">Average Value (in µg/ m<sup>3</sup>)</th></tr><tr><th>Laboratory</th><th>Near Railway gate</th><th>Near ETP</th><th>Near Solar</th></tr><tr><td>PM<sub>10</sub></td><td>64.75</td><td>52.75</td><td>58.55</td><td>55.9</td></tr><tr><td>PM<sub>2.5</sub></td><td>37.8</td><td>31.1</td><td>35.15</td><td>37</td></tr><tr><td>SO<sub>2</sub></td><td>13.05</td><td>7.05</td><td>8.0</td><td>7.4</td></tr><tr><td>NO<sub>2</sub></td><td>23.15</td><td>11.4</td><td>14.3</td><td>12.2</td></tr></table>	Parameter	Average Value (in µg/ m <sup>3</sup> )				Laboratory	Near Railway gate	Near ETP	Near Solar	PM <sub>10</sub>	64.75	52.75	58.55	55.9	PM <sub>2.5</sub>	37.8	31.1	35.15	37	SO <sub>2</sub>	13.05	7.05	8.0	7.4	NO <sub>2</sub>	23.15	11.4	14.3	12.2
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5	<p>Fugitive emissions, acid mist vapours, fumes and SO<sub>2</sub> shall be controlled and work environment monitored for prevailing contaminants regularly. Fugitive dust emissions in the handling area and at various transfer points shall be minimized by provision of dust suppression system.</p> <p>Bag filters shall be installed in Roaster, calcine handling &amp; storage section, Zn atomizing unit, Dross milling section to control fugitive emissions.</p> <p>The company shall improve overall housekeeping by asphaltting the internal roads and to reduce the generation of fugitive dust from vehicle movements.</p>	<ul style="list-style-type: none"><li>Monitoring of all said parameters is done regularly.</li><li>For dust suppression regular water spraying is done. Also mechanized road sweeping machine has been deployed to clean roads.</li><li>Bag filters are installed at said locations to control fugitive emissions</li><li>All the roads are asphalted &amp; cemented. To minimize the fugitive dust, mechanized vacuum dust cleaner is used for road sweeping/cleaning.</li></ul>																													
6	Industrial wastewater shall be properly collected, treated so as to	<ul style="list-style-type: none"><li>The sample of treated effluent are regularly collected and analyzed by NABL, RSPCB and</li></ul>																													

	<p>conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time.</p> <p>The treated wastewater shall be recycled in this plant as well as utilization for plantation purpose.</p>	<p>MoEF&amp;CC accredited laboratory as per IS &amp; CPCB approved procedures &amp; treated effluent conforms the limits prescribed by the Board.</p> <ul style="list-style-type: none"> <li>The treated water is recycled and zero discharge is maintained.</li> </ul>
7	<p>The project authorities must strictly comply with the rules and regulations with regards to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rule, 2003.</p> <p>Authorization from the state pollution control board must be obtained for collection, storage, treatment and disposal of hazardous waste.</p>	<ul style="list-style-type: none"> <li>Authorization issued by RSPCB under the HW Rules vide RPCB letter no. F(HSW)/Udaipur(Girwa)/7034(1)/2022-2023/7463-7465 Dtd: 17/03/2023, is valid up to date 31-12-2027.</li> <li>Disposal / recycling / reuse of HWs is as per the revised Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.</li> </ul>
8	<p>The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation.</p> <p>The ambient noise level should conform the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) to 70 dBA (nighttime).</p>	<ul style="list-style-type: none"> <li>Noise control measures including acoustic hoods, silencers, enclosures etc. have been provided on all sources of noise generation.</li> <li>Ambient noise level is monitored by MoEF&amp;CC, RSPCB &amp; NABL approved laboratory. Report for the period April'24 to Sept'24 is attached as Annexure -5.</li> </ul>
9	<p>Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p>	<ul style="list-style-type: none"> <li>Periodic Medical Examination for occupational health is done on regular basis and records are maintained.</li> <li>A 16 bedded occupation health centre with qualified doctor is available.</li> </ul> <div data-bbox="906 1630 1385 1921" data-label="Image"> </div> <p>Occupational Health Center</p>





Ambulance facility

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The project proponent shall also comply with all the environmental protection measures and safeguards maintained as per the EIA/EMP/ risk analysis and DMP report.

- Environmental protection measures and safeguards recommended in the EIA/EMP/risk analysis and DMP report have been implemented.
- For emission control, ESP, Bag houses, cyclone and gas cleaning tower have been installed with adequate stacks height for proper dispersion of emission.
- For Effluent Control, zero discharge is maintained through ETP, RO-ZLD and STP.
- For Hazardous waste management, best available technology being used for waste minimization and disposal of Hazardous waste is done as per Authorization conditions.

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The project authorities shall provide Rs. 76.00 crores towards environmental pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the Government and submit and implementation schedule for all the conditions stipulated herein to this Ministry and its Regional Office at Lucknow.

The funds so provided shall not be diverted for any other purposes.

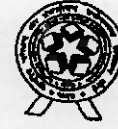
- Incurred Rs. 76 Crore towards environmental pollution control measures.
- Breakup expenditure for Rs. 76 Crore is as under:

Area/Equipments	Cost (Rs. in Crores)
Acid Plant	33.0
Gas Cleaning	16.0
ESP, Bag Filter, Stacks	13.0
Stack Analyser	0.5
Covered conveyers	2.0
Modification/addition in water/ Effluent Treatment Facilities/RO Plant	5.0
Solid waste disposal facilities (Jarosite SLF etc)	5.0
Monitoring Facilities (Additional)	0.5
Green belt	1.0
Total	76.0

		<p>The Environmental expenditure for last five years are as under:</p> <p>2019-2020 Rs. 522.98 Lacs</p> <p>2020-2021 Rs. 1078 Lacs</p> <p>2021-2022 Rs. 1193 Lacs</p> <p>2022-2023 Rs. 1632 Lacs</p> <p>2023-2024 Rs. 1305 Lacs</p> <p>2024-2025 Rs. 691 Lacs</p>
12	<p>The Regional Office of this Ministry at Lucknow, CPCB/RSPCB shall monitor the stipulated conditions.</p> <p>A six monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly.</p>	<p>Compliance status is submitted regularly to the Ministry. Previous compliance of EC was submitted on 21.05.2024.</p> <p>The same is also available on on following link at company website:  <a href="https://www.hzlindia.com/wp-content/uploads/EC-Compliance_ZSD.pdf">https://www.hzlindia.com/wp-content/uploads/EC-Compliance_ZSD.pdf</a></p>
13	<p>The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies if the clearance letter are available with the Rajasthan Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p> <p>This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be be forwarded to the Regional office.</p>	<p>Noted and informed.</p> <p>The information published in two local newspapers (Dainik Bhasker &amp; Prthakal) on 25.03.2008). It was forwarded to regional office on date. 25.03.2008.</p>
14	<p>The project authorities 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 and the date of commencing the land development work</p>	<p>Date of commencement of land development work is 4<sup>th</sup> January-2007.</p>

# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/08	Date of Registration: 19.04.2024
Report No. SCS/HZL/AAQ/20240419/08(1/2)	Date of Report: 30.04.2024

## AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the Location : 24°36'14.29"N  
73°48'51.02"E  
Ambient Temperature : 35.4°C  
Name of Location : Near Environment Lab Area  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, O<sub>3</sub>, CO, NH<sub>3</sub>, Pb, Ni,  
Benzene, B(a)P



### RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	66.9 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	39.1 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	14.0 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	25.8 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	60.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 9)
Carbon Monoxide (CO)	1,031 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	43.0 µg / m <sup>3</sup>	400 µg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	0.34 µg / m <sup>3</sup>	1 µg / m <sup>3</sup>	IS 5182 (Part 22)
Nickel (Ni)	2.30 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1.0 µg / m <sup>3</sup>	5 µg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP)	< 1.0 ng / m <sup>3</sup>	1 ng / m <sup>3</sup>	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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- All disputes are subjected to Jaipur jurisdiction.

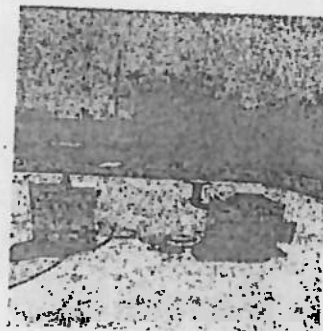
7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/08	Date of Registration: 19.04.2024
Report No. SCS/HZL/AAQ/20240419/08(2/2)	Date of Report: 30.04.2024

### AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'14.29"N  
Location : 73°48'51.02"E  
Ambient Temperature : 35.4°C  
Name of Location : Near Environment Lab Area  
Parameter required : As



#### RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



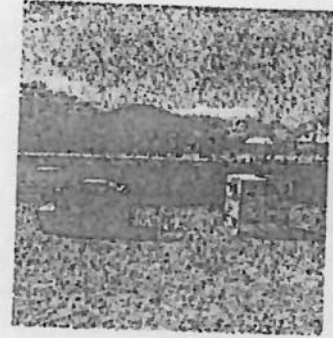
TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/09	Date of Registration: 19.04.2024
Report No. SCS/HZL/AAQ/20240419/09(1/2)	Date of Report: 30.04.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'26.59"N  
Location : 73°48'50.67"E  
Ambient Temperature : 35.7°C  
Name of Location : Near SRP Ground Area  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, O<sub>3</sub>, CO, NH<sub>3</sub>, Pb, Ni,  
Benzene, B(a)P

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	54.9 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	32.3 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	7.2 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	11.6 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	45.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 9)
Carbon Monoxide (CO)	687 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	36.0 µg / m <sup>3</sup>	400 µg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	< 0.10 µg / m <sup>3</sup>	1 µg / m <sup>3</sup>	IS 5182 (Part 22)
Nickel (Ni)	0.27 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1.0 µg / m <sup>3</sup>	5 µg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP)	< 1.0 ng / m <sup>3</sup>	1 ng / m <sup>3</sup>	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

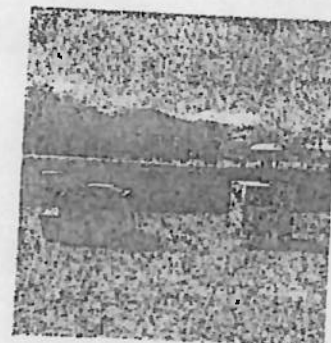
7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
 RAMNAGARIYA ROAD, JAGATPURA,  
 JAIPUR-302017, RAJASTHAN (INDIA)  
 CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
 ISO-14001:2015 CERTIFIED LABORATORY  
 ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/09	Date of Registration: 19.04.2024
Report No. SCS/HZL/AAQ/20240419/09(2/2)	Date of Report: 30.04.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
 Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
 Date of Monitoring : 19.04.2024  
 Date of start of testing : 22.04.2024  
 Date of end of testing : 30.04.2024  
 Duration of sampling : 24 Hrs.  
 Type of Industry : Non-Ferrous Metal Industry  
 GPS Coordinate of the : 24°36'26.59"N  
 Location : 73°48'50.67"E  
 Ambient Temperature : 35.7°C  
 Name of Location : Near SRP Ground Area  
 Parameter required : As



Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	EPA/625/R-96/010a US EPA IO 3.4

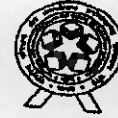
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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



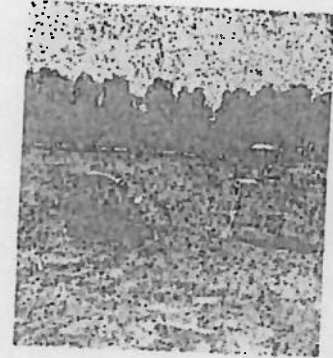
TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/10	Date of Registration: 19.04.2024
Report No. SCS/HZL/AAQ/20240419/10(1/2)	Date of Report: 30.04.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the Location : 24°36'07.51"N  
73°49'05.65"E  
Ambient Temperature : 36.0°C  
Name of Location : Near Solar Power Plant Area  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, O<sub>3</sub>, CO, NH<sub>3</sub>, Pb, Ni,  
Benzene, B(a)P

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	58.8 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	35.9 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	7.6 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	12.8 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	59.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 9)
Carbon Monoxide (CO)	802 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	46.0 µg / m <sup>3</sup>	400 µg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	0.27 µg / m <sup>3</sup>	1 µg / m <sup>3</sup>	IS 5182 (Part 22)
Arsenic (As)	< 1.0 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	IS 5182 (Part 22)
Nickel (Ni)	1.33 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1.0 µg / m <sup>3</sup>	5 µg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP)	< 1.0 ng / m <sup>3</sup>	1 ng / m <sup>3</sup>	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/10

Report No. SCS/HZL/AAQ/20240419/10(2/2)

Date of Registration: 19.04.2024

Date of Report: 30.04.2024

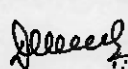
**AMBIENT AIR QUALITY MONITORING REPORT**

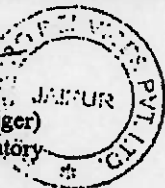
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'07.51"N  
Location : 73°49'05.65"E  
Ambient Temperature : 36.0°C  
Name of Location : Near Solar Power Plant Area  
Parameter required : As

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/11	Date of Registration: 19.04.2024
Report No. SCS/HZL/AAQ/20240419/11(1/2)	Date of Report: 30.04.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'19.33"N  
Location : 73°49'18.41"E  
Ambient Temperature : 36.3°C  
Name of Location : Near ETP / R O Plant Area  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, O<sub>3</sub>, CO, NH<sub>3</sub>, Pb, Ni,  
Benzene, B(a)P

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	60.6 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	35.9 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	8.2 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	15.0 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	47.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 9)
Carbon Monoxide (CO)	802 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	37.0 µg / m <sup>3</sup>	400 µg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	0.18 µg / m <sup>3</sup>	1 µg / m <sup>3</sup>	IS 5182 (Part 22)
Nickel (Ni)	0.59 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1.0 µg / m <sup>3</sup>	5 µg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP)	< 1.0 ng / m <sup>3</sup>	1 ng / m <sup>3</sup>	IS 5182 (Part 12)
Particulate phase only			

For pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/11	Date of Registration: 19.04.2024
Report No. SCS/HZL/AAQ/20240419/11(2/2)	Date of Report: 30.04.2024

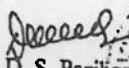
**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'19.33"N  
Location : 73°49'18.41"E  
Ambient Temperature : 36.3°C  
Name of Location : Near ETP / R O Plant Area  
Parameter required : As



Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



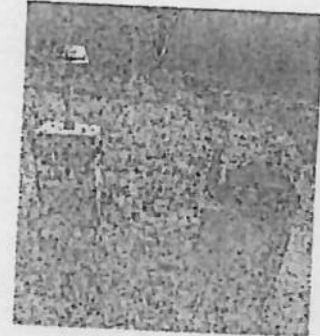
TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240830/02	Date of Registration: 30.08.2024
Report No. SCS/HZL/AAQ/20240830/02(1/2)	Date of Report: 06.09.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'14.29"N  
Location : 73°48'51.00"E  
Ambient Temperature : 27.1°C  
Name of Location : Near Environment Lab Area  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, O<sub>3</sub>, CO, NH<sub>3</sub>, Pb, Ni,  
Benzene, B(a)P

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	62.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	36.5 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	12.1 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	20.5 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	48.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 9)
Carbon Monoxide (CO)	916 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	39.0 µg / m <sup>3</sup>	400 µg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	0.26 µg / m <sup>3</sup>	1 µg / m <sup>3</sup>	IS 5182 (Part 22)
Nickel (Ni)	1.92 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1.0 µg / m <sup>3</sup>	5 µg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP)	< 1.0 ng / m <sup>3</sup>	1 ng / m <sup>3</sup>	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro-Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorized Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

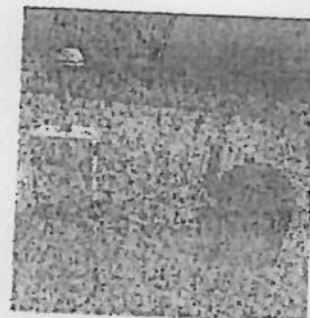
7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240830/02	Date of Registration: 30.08.2024
Report No. SCS/HZL/AAQ/20240830/02(2/2)	Date of Report: 06.09.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'14.29"N  
Location : 73°48'51.00"E  
Ambient Temperature : 27.1°C  
Name of Location : Near Environment Lab Area  
Parameter required : As

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



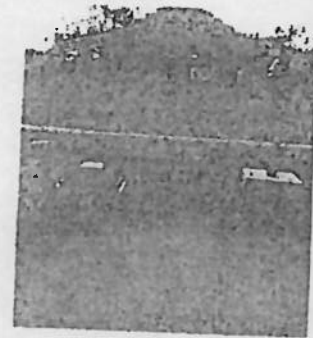
TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240830/03	Date of Registration: 30.08.2024
Report No. SCS/HZL/AAQ/20240830/03(1/2)	Date of Report: 06.09.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'26.39"N  
Location : 73°48'50.85"E  
Ambient Temperature : 26.5°C  
Name of Location : Near SRP Ground Area  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, O<sub>3</sub>, CO, NH<sub>3</sub>, Pb, Ni,  
Benzene, B(a)P

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	50.6 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	29.9 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	6.9 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	11.2 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	40.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 9)
Carbon Monoxide (CO)	687 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	35.0 µg / m <sup>3</sup>	400 µg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	< 0.10 µg / m <sup>3</sup>	1 µg / m <sup>3</sup>	IS 5182 (Part 22)
Nickel (Ni)	0.16 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1.0 µg / m <sup>3</sup>	5 µg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP)	< 1.0 ng / m <sup>3</sup>	1 ng / m <sup>3</sup>	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

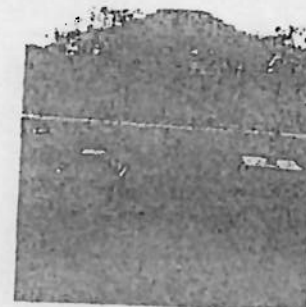
7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240830/03	Date of Registration: 30.08.2024
Report No. SCS/HZL/AAQ/20240830/03(2/2)	Date of Report: 06.09.2024


**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'26.39"N  
Location : 73°48'50.85"E  
Ambient Temperature : 26.5°C  
Name of Location : Near SRP Ground Area  
Parameter required : As

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240830/04	Date of Registration: 30.08.2024
Report No. SCS/HZL/AAQ/20240830/04(1/2)	Date of Report: 06.09.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'07.65"N  
Location : 73°49'06.16"E  
Ambient Temperature : 26.8°C  
Name of Location : Near Solar Power Plant Area  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, O<sub>3</sub>, CO, NH<sub>3</sub>, Pb, Ni,  
Benzene, B(a)P

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	53.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	38.1 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	7.2 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	11.6 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	51.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 9)
Carbon Monoxide (CO)	687 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	42.0 µg / m <sup>3</sup>	400 µg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	0.19 µg / m <sup>3</sup>	1 µg / m <sup>3</sup>	IS 5182 (Part 22)
Arsenic (As)	< 1.0 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	IS 5182 (Part 22)
Nickel (Ni)	1.08 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1.0 µg / m <sup>3</sup>	5 µg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP)	< 1.0 ng / m <sup>3</sup>	1 ng / m <sup>3</sup>	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240830/04	Date of Registration: 30.08.2024
Report No. SCS/HZL/AAQ/20240830/04(2/2)	Date of Report: 06.09.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'07.65"N  
Location : 73°49'06.16"E  
Ambient Temperature : 26.8°C  
Name of Location : Near Solar Power Plant Area  
Parameter required : As

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240830/05	Date of Registration: 30.08.2024
Report No. SCS/HZL/AAQ/20240830/05(1/2)	Date of Report: 06.09.2024

## AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the : 24°36'19.57"N  
Location : 73°49'18.16"E  
Ambient Temperature : 27.1°C  
Name of Location : Near ETP / R O Plant Area  
Parameter required : PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, O<sub>3</sub>, CO, NH<sub>3</sub>, Pb, Ni,  
Benzene, B(a)P



### RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	56.5 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	34.4 µg / m <sup>3</sup>	60 µg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	7.8 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	13.6 µg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	44.0 µg / m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 9)
Carbon Monoxide (CO)	687 µg / m <sup>3</sup>	2,000 µg / m <sup>3</sup>	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	36.0 µg / m <sup>3</sup>	400 µg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	0.15 µg / m <sup>3</sup>	1 µg / m <sup>3</sup>	IS 5182 (Part 22)
Nickel (Ni)	0.86 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1.0 µg / m <sup>3</sup>	5 µg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP)	< 1.0 ng / m <sup>3</sup>	1 ng / m <sup>3</sup>	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240830/05	Date of Registration: 30.08.2024
Report No. SCS/HZL/AAQ/20240830/05(2/2)	Date of Report: 06.09.2024

**AMBIENT AIR QUALITY MONITORING REPORT**

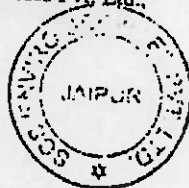
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
GPS Coordinate of the Location : 24°36'19.57"N  
Ambient Temperature : 73°49'18.16"E  
Name of Location : 27.1°C  
Parameter required : Near ETP / R O Plant Area  
As

**RESULTS**

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.

**SCS SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240419/19	Date of Registration: 19.04.2024
Report No. SCS/HZL/SE/20240419/19	Date of Report: 30.04.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster III  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	162.0 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	25.8 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

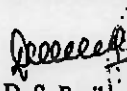
Sample ID No.: SCS/SE/20240419/20	Date of Registration: 19.04.2024
Report No. SCS/HZL/SE/20240419/20	Date of Report: 30.04.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster II  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	193.7 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	28.5 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

  
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240523/10  
Report No. SCS/HZL/SE/20240523/10

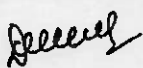
Date of Registration: 23.05.2024  
Date of Report: 31.05.2024

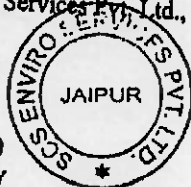
**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 24.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster II  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	180.6 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	28.1 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

  
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(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240523/11

Report No. SCS/HZL/SE/20240523/11

Date of Registration: 23.05.2024

Date of Report: 31.05.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 24.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster III  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	171.4 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	29.0 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/SE/20240622/32	Date of Registration: 22.06.2024
Report No. SCS/HZL/SE/20240622/32	Date of Report: 02.07.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster II  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	165.9 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	25.5 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042218



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

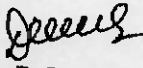
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Report No. SCS/HZL/SE/20240622/33	Date of Report: 02.07.2024

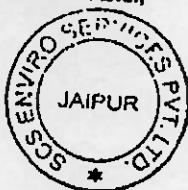
**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster III  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	188.9 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	28.4 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240730/13	Date of Registration: 30.07.2024
Report No. SCS/HZL/SE/20240730/13	Date of Report: 06.08.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster II  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	155.4 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	22.0 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

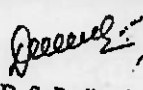
Sample ID No.: SCS/SE/20240730/14	Date of Registration: 30.07.2024
Report No. SCS/HZL/SE/20240730/14	Date of Report: 06.08.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 31.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster III  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	174.6 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	26.9 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar JAIPUR  
(Technical Manager)  
Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
 RAMNAGARIYA ROAD, JAGATPURA,  
 JAIPUR-302017, RAJASTHAN (INDIA)  
 CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
 ISO-14001:2015 CERTIFIED LABORATORY  
 ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240830/13	Date of Registration: 30.08.2024
Report No. SCS/HZL/SE/20240830/13	Date of Report: 06.09.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
 Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
 Date of Monitoring : 31.08.2024  
 Date of start of testing : 02.09.2024  
 Date of end of testing : 06.09.2024  
 Duration of sampling : 30 Minutes  
 Type of Industry : Non-Ferrous Metal Industry  
 Weather conditions : Sunny  
 Name of Location : Stack Attached to Roaster III  
 Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	193.7 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	28.9 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

  
 Dr. D. S. Parihar  
 (Technical Manager)  
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240830/14	Date of Registration: 30.08.2024
Report No. SCS/HZL/SE/20240830/14	Date of Report: 06.09.2024

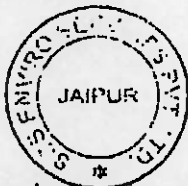
**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 31.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster II  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	184.4 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	27.0 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

  
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(Technical Manager)  
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240917/17  
Report No. SCS/HZL/SE/20240917/17

Date of Registration: 17.09.2024

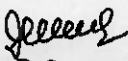
Date of Report: 29.09.2024

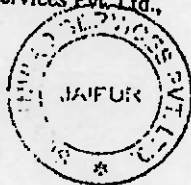
**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 18.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster III  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	182.0 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	24.5 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042218



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240917/18	Date of Registration: 17.09.2024
Report No. SCS/HZL/SE/20240917/18	Date of Report: 29.09.2024

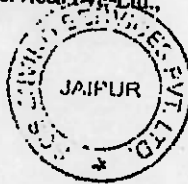
**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 17.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Roaster II  
Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	192.0 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	23.0 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.

# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13383

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240419/16	Date of Registration: 19.04.2024
Report No. SCS/HZL/SE/20240419/16	Date of Report: 30.04.2024

## STACK MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Azex Furnace  
Parameter required : PM

### RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	28.1 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)

Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240419/17	Date of Registration: 19.04.2024
Report No. SCS/HZL/SE/20240419/17	Date of Report: 30.04.2024


**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 20.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Zinc Melting and Slag Grinding  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	29.8 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240419/18	Date of Registration: 19.04.2024
Report No. SCS/HZL/SE/20240419/18	Date of Report: 30.04.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 20.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Induction Stack  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	23.0 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240523/07	Date of Registration: 23.05.2024
Report No. SCS/HZL/SE/20240523/07	Date of Report: 31.05.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 23.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Azex Furnace  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	25.6 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240523/08

Report No. SCS/HZL/SE/20240523/08

Date of Registration: 23.05.2024

Date of Report: 31.05.2024


**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 23.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Zinc Melting and Slag Grinding  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	27.6 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240523/09  
Report No. SCS/HZL/SE/20240523/09

Date of Registration: 23.05.2024  
Date of Report: 31.05.2024

**STACK MONITORING REPORT**

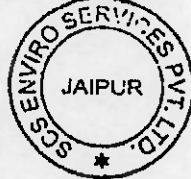
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 23.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Induction Stack  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	24.2 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240622/29	Date of Registration: 22.06.2024
Report No. SCS/HZL/SE/20240622/29	Date of Report: 02.07.2024

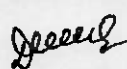
**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Azex Furnace  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	28.3 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240622/30  
Report No. SCS/HZL/SE/20240622/30

Date of Registration: 22.06.2024

Date of Report: 02.07.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Zinc Melting and Slag Grinding  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	23.2 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240622/31	Date of Registration: 22.06.2024
Report No. SCS/HZL/SE/20240622/31	Date of Report: 02.07.2024

## STACK MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Induction Stack  
Parameter required : PM

### RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	28.0 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240730/10	Date of Registration: 30.07.2024
Report No. SCS/HZL/SE/20240730/10	Date of Report: 06.08.2024

## STACK MONITORING REPORT

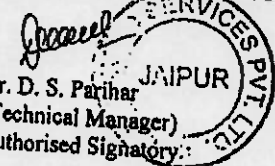
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Azex Furnace  
Parameter required : PM

### RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	23.8 mg / Nm <sup>3</sup>	IS 11255 (Part I)

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory:



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240730/11	Date of Registration: 30.07.2024
Report No. SCS/HZL/SE/20240730/11	Date of Report: 06.08.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 31.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Zinc Melting and Slag Grinding  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	20.9 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihar JAIPUR  
(Technical Manager)  
Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240730/12	Date of Registration: 30.07.2024
Report No. SCS/HZL/SE/20240730/12	Date of Report: 06.08.2024

**STACK MONITORING REPORT**

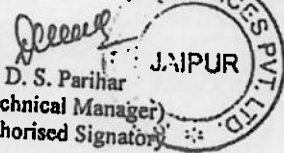
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Induction Stack  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	27.4 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240830/10

Report No. SCS/HZL/SE/20240830/10

Date of Registration: 30.08.2024

Date of Report: 06.09.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Azex Furnace  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	23.0 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240830/11	Date of Registration: 30.08.2024
Report No. SCS/HZL/SE/20240830/11	Date of Report: 06.09.2024

## STACK MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 31.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Zinc Melting and Slag Grinding  
Parameter required : PM

### RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	25.5 mg / Nm <sup>3</sup>	IS 11255 (Part I)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
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- All disputes are subjected to Jaipur jurisdiction.



# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240830/12	Date of Registration: 30.08.2024
Report No. SCS/HZL/SE/20240830/12	Date of Report: 06.09.2024

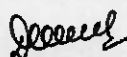
## STACK MONITORING REPORT

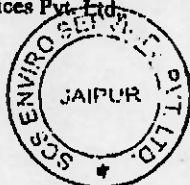
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 31.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Induction Stack  
Parameter required : PM

### RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	20.7 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240917/14	Date of Registration: 17.09.2024
Report No. SCS/HZL/SE/20240917/14	Date of Report: 29.09.2024

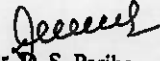
**STACK MONITORING REPORT**

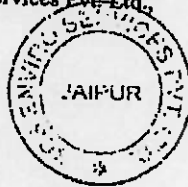
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 17.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Azex Furnace  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	26.4 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240917/15	Date of Registration: 17.09.2024
Report No. SCS/HZL/SE/20240917/15	Date of Report: 29.09.2024

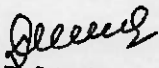
**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 18.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Zinc Melting and Slag Grinding  
Parameter required : PM

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	28.2 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240917/16	Date of Registration: 17.09.2024
Report No. SCS/HZL/SE/20240917/16	Date of Report: 29.09.2024

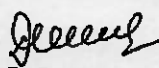
## STACK MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 17.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to Induction Stack  
Parameter required : PM

### RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	23.3 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
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ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240419/15

Report No. SCS/HZL/SE/20240419/15

Date of Registration: 19.04.2024

Date of Report: 30.04.2024

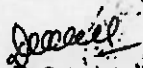
## STACK MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to MCTP  
Parameter required : PM & Lead

### RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	16.8 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Lead as Pb	0.14 mg / Nm <sup>3</sup>	USEPA Method 29

Per pro SCS Enviro-Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240523/06	Date of Registration: 23.05.2024
Report No. SCS/HZL/SE/20240523/06	Date of Report: 31.05.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 24.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to MCTP  
Parameter required : PM & Lead

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	20.3 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Lead as Pb	0.10 mg / Nm <sup>3</sup>	USEPA Method 29

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

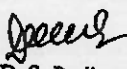
Sample ID No.: SCS/SE/20240622/28	Date of Registration: 22.06.2024
Report No. SCS/HZL/SE/20240622/28	Date of Report: 02.07.2024

## STACK MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to MCTP  
Parameter required : PM & Lead

Parameter	Observed Value	Protocol
Particulate Matter (PM)	24.0 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Lead as Pb	0.12 mg / Nm <sup>3</sup>	USEPA Method 29

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240730/09	Date of Registration: 30.07.2024
Report No. SCS/HZL/SE/20240730/09	Date of Report: 06.08.2024

## STACK MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to MCTP  
Parameter required : PM & Lead

Parameter	Observed Value	Protocol
Particulate Matter (PM)	26.5 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Lead as Pb	0.16 mg / Nm <sup>3</sup>	USEPA Method 29

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240830/09	Date of Registration: 30.08.2024
Report No. SCS/HZL/SE/20240830/09	Date of Report: 06.09.2024

**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to MCTP  
Parameter required : PM & Lead

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	18.5 mg / Nm <sup>3</sup>	IS 11255 (Part I)
Lead as Pb	0.12 mg / Nm <sup>3</sup>	USEPA Method 29

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
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ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240917/13	Date of Registration: 17.09.2024
Report No. SCS/HZL/SE/20240917/13	Date of Report: 29.09.2024

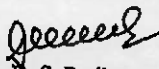
**STACK MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 18.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Duration of sampling : 30 Minutes  
Type of Industry : Non-Ferrous Metal Industry  
Weather conditions : Sunny  
Name of Location : Stack Attached to MCTP  
Parameter required : PM & Lead

**RESULTS**

Parameter	Observed Value	Protocol
Particulate Matter (PM)	16.1 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Lead as Pb	0.17 mg / Nm <sup>3</sup>	USEPA Method 29

Per pro SCS Enviro Services Pvt. Ltd.

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

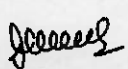
Sample ID No.: SCS/W/20240419/38	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/38(1/2)	Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 20.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Total Suspended Solids	11 Mg/L	100 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540D
pH value	8.38	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
BOD <sub>5</sub> Days at 27°C	10 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	120 Mg/L	250 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 O&G B
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Copper (as Cu)	< 0.01 Mg/L	3.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc (as Zn)	0.13 Mg/L	5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Nickel (as Ni)	< 0.01 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500SF
Cyanide (as CN)	< 0.02 Mg/L	0.2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500CN-C&E
Mercury (as Hg)	< 0.001 Mg/L	0.01 Mg/L	APHA (24 <sup>TH</sup> Edition) 3112B
Chloride as Cl	257.9 Mg/L	-	APHA (24 <sup>TH</sup> Edition) 4500 Cl- B
Iron (as Fe)	0.12 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Fluoride (as F)	0.53 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/38	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/38(2/2)	Date of Report: 30.04.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 20.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Lead (as Pb)	< 0.01 Mg/L	0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240523/14

Report No. SCS/HZL/W/20240523/14(1/2)

Date of Registration: 23.05.2024

Date of Report: 31.05.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 24.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Total Suspended Solids	11 Mg/L	100 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540D
pH value	8.64	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
BOD <sub>5</sub> @ 20°C	15 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	109 Mg/L	250 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 O&G B
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Copper (as Cu)	< 0.01 Mg/L	3.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc (as Zn)	0.10 Mg/L	5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Nickel (as Ni)	< 0.01 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500SF
Cyanide (as CN)	< 0.02 Mg/L	0.2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500CN-C&E
Mercury (as Hg)	< 0.001 Mg/L	0.01 Mg/L	APHA (24 <sup>TH</sup> Edition) 3112B
Chloride as Cl	237.9 Mg/L	-	APHA (24 <sup>TH</sup> Edition) 4500 Cl- B
Iron (as Fe)	0.10 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Fluoride (as F)	0.82 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

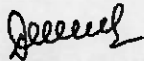
Sample ID No.: SCS/W/20240523/14	Date of Registration: 23.05.2024
Report No. SCS/HZL/W/20240523/14(2/2)	Date of Report: 31.05.2024

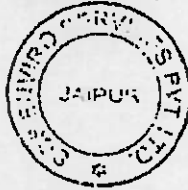
**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 24.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Lead (as Pb)	< 0.01 Mg/L	0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

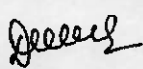
Sample ID No.: SCS/W/20240622/37	Date of Registration: 22.06.2024
Report No. SCS/HZL/W/20240622/37(1/2)	Date of Report: 02.07.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Total Suspended Solids	< 5 Mg/L	100 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540D
pH value	8.15	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
BOD <sub>5</sub> at 20°C	12 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	80 Mg/L	250 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 O&G B
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Copper (as Cu)	< 0.01 Mg/L	3.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc (as Zn)	0.10 Mg/L	5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Nickel (as Ni)	< 0.01 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500SF
Cyanide (as CN)	< 0.02 Mg/L	0.2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500CN C&E
Mercury (as Hg)	< 0.001 Mg/L	0.01 Mg/L	APHA (24 <sup>TH</sup> Edition) 3112B
Chloride as Cl	219.9 Mg/L	-	APHA (24 <sup>TH</sup> Edition) 4500 Cl- B
Iron (as Fe)	0.06 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Fluoride (as F)	0.75 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

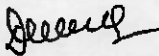
Sample ID No.: SCS/W/20240622/37	Date of Registration: 22.06.2024
Report No. SCS/HZL/W/20240622/37(2/2)	Date of Report: 02.07.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Lead (as Pb)	< 0.01 Mg/L	0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240730/17	Date of Registration: 30.07.2024
Report No. SCS/HZL/W/20240730/17(1/2)	Date of Report: 06.08.2024

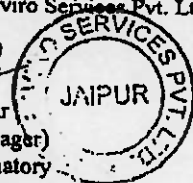
## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 31.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Total Suspended Solids	< 5 Mg/L	100 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540D
pH value	7.89	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
BOD <sub>5</sub> at 20°C	15 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	120 Mg/L	250 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 O&G B
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Copper (as Cu)	< 0.01 Mg/L	3.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc (as Zn)	0.10 Mg/L	5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Nickel (as Ni)	< 0.01 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500SF
Cyanide (as CN)	< 0.02 Mg/L	0.2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500CN-C&E
Mercury (as Hg)	< 0.001 Mg/L	0.01 Mg/L	APHA (24 <sup>TH</sup> Edition) 3112B
Chloride as Cl	239.9 Mg/L	-	APHA (24 <sup>TH</sup> Edition) 4500 Cl- B
Iron (as Fe)	0.08 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Fluoride (as F)	0.92 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240730/17	Date of Registration: 30.07.2024
Report No. SCS/HZL/W/20240730/17(2/2)	Date of Report: 06.08.2024

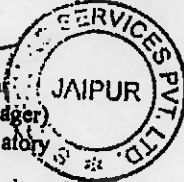
**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 31.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Lead (as Pb)	< 0.01 Mg/L	0.1 Mg/L	APHA (24 <sup>th</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

*Dr. D. S. Parihar*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/32	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/32(1/2)	Date of Report: 06.09.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 31.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Total Suspended Solids	32 Mg/L	100 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540D
pH value	7.75	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
BOD <sub>5</sub> at 20°C	9 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	80 Mg/L	250 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 O&G B
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Copper (as Cu)	< 0.01 Mg/L	3.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc (as Zn)	0.16 Mg/L	5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Nickel (as Ni)	< 0.01 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500SF
Cyanide (as CN)	< 0.02 Mg/L	0.2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500CN C&E
Mercury (as Hg)	< 0.001 Mg/L	0.01 Mg/L	APHA (24 <sup>TH</sup> Edition) 3112B
Chloride as Cl	279.9 Mg/L	-	APHA (24 <sup>TH</sup> Edition) 4500 Cl- B
Iron (as Fe)	0.15 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Fluoride (as F)	0.78 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

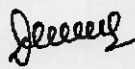
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Report No. SCS/HZL/W/20240830/32(2/2)	Date of Report: 06.09.2024

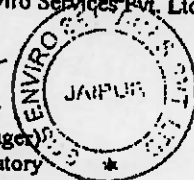
## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 31.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Lead (as Pb)	< 0.01 Mg/L	0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA).  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

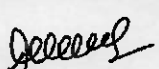
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Report No. SCS/HZL/W/20240917/21(1/2)	Date of Report: 29.09.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 18.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Total Suspended Solids	8 Mg/L	100 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540D
pH value	8.68	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
BOD <sub>5</sub> at 20°C	17 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	140 Mg/L	250 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 O&G B
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Copper (as Cu)	< 0.01 Mg/L	3.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc (as Zn)	0.29 Mg/L	5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Nickel (as Ni)	< 0.01 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500SF
Cyanide (as CN)	< 0.02 Mg/L	0.2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500CN-C&E
Mercury (as Hg)	< 0.001 Mg/L	0.01 Mg/L	APHA (24 <sup>TH</sup> Edition) 3112B
Chloride as Cl	219.9 Mg/L	-	APHA (24 <sup>TH</sup> Edition) 4500 Cl- B
Iron (as Fe)	0.10 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Fluoride (as F)	0.55 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

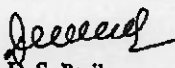
Sample ID No.: SCS/W/20240917/20	Date of Registration: 17.09.2024
Report No. SCS/HZL/W/20240917/20(2/2)	Date of Report: 29.09.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 18.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Details of Sample : ETP Outlet Water  
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Lead (as Pb)	< 0.01 Mg/L	0.1 Mg/L	APHA (24 <sup>th</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS SCS ENVIRO SERVICES PRIVATE LIMITED**

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240419/68	Date of Registration: 19.04.2024
Report No. SCS/HZL/WW/20240419/68	Date of Report: 30.04.2024

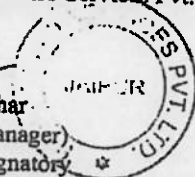
**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 20.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : STP Outlet Plant  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	6.93	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	5 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Ammonical Nitrogen (as N)	5.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
COD	42 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
BOD <sub>5</sub> at 27°C	7 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	4.9 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

*Dr. D. S. Parihar*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240523/16	Date of Registration: 23.05.2024
Report No. SCS/HZL/WW/20240523/16	Date of Report: 31.05.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 24.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Details of Sample : STP Outlet Plant  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.04	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	7 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Ammonical Nitrogen (as N)	5.9 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
COD	45 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
BOD <sub>5</sub> Days at 27°C	8 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	4.4 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042218



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240622/39	Date of Registration: 22.06.2024
Report No. SCS/HZL/WW/20240622/39	Date of Report: 02.07.2024

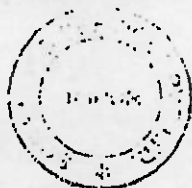
## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Details of Sample : STP Outlet Plant  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.22	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	6 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Ammonical Nitrogen (as N)	5.2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
COD	39 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
BOD <sub>5</sub> @ 20°C	6 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	3.7 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240730/19	Date of Registration: 30.07.2024
Report No. SCS/HZL/WW/20240730/19	Date of Report: 06.08.2024

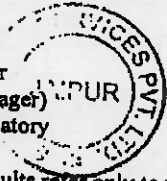
## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 30.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Details of Sample : STP Outlet Plant  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.16	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
COD	45 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
BOD <sub>5</sub> Days at 27°C	8 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	4.6 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240830/64	Date of Registration: 30.08.2024
Report No. SCS/HZL/WW/20240830/64	Date of Report: 06.09.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : STP Outlet Plant  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.25	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	6 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
COD	34 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
BOD <sub>5</sub> Days at 27°C	6 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	3.5 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240917/22	Date of Registration: 17.09.2024
Report No. SCS/HZL/WW/20240917/22	Date of Report: 29.09.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 17.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Details of Sample : STP Outlet Plant  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	8.55	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	< 5 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
COD	40 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
BOD <sub>5</sub> Days at 27°C	8 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	3.3 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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Annexure (3B)

**SCS SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240419/70	Date of Registration: 19.04.2024
Report No. SCS/HZL/WW/20240419/70(1/2)	Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 20.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : STP Outlet Colony  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.62	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	10 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Total Residual Chlorine	< 0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
Ammonical Nitrogen (as N)	3.7 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
COD	35 Mg/L	IS 3025 (Part 44)
BOD <sub>5</sub> Days at 27°C	7 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
Nitrate as NO <sub>3</sub>	12.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 H

Per pro SCS Enviro-Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240419/70	Date of Registration: 19.04.2024
Report No. SCS/HZL/WW/20240419/70(2/2)	Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 20.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : STP Outlet Colony  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Bioassay Test	100% survival of fish after 96 hours in 100 % effluent	IS 6582 (Part 2)
Fecal Coliform	Absent	APHA (24 <sup>TH</sup> Edition) 9230 C

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-19001:2015 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240523/18	Date of Registration: 23.05.2024
Report No. SCS/HZL/WW/20240523/18(1/2)	Date of Report: 31.05.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 24.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Details of Sample : STP Outlet Colony  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.41	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Total Residual Chlorine	< 0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
Ammonical Nitrogen (as N)	4.6 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
COD	42 Mg/L	IS 3025 (Part 44)
BOD <sub>5</sub> Days at 27°C	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
Nitrate as NO <sub>3</sub>	9.3 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 H

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
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(Technical Manager)  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

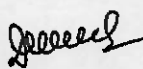
Sample ID No.: SCS/WW/20240523/18	Date of Registration: 23.05.2024
Report No. SCS/HZL/WW/20240523/18(2/2)	Date of Report: 31.05.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 24.05.2024  
Date of start of testing : 25.05.2024  
Date of end of testing : 31.05.2024  
Details of Sample : STP Outlet Colony  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Bioassay Test	100% survival of fish after 96 hours in 100 % effluent	IS 6582 (Part 2)
Fecal Coliform	Absent	APHA (24 <sup>TH</sup> Edition) 9230 C

Per pro SCS Enviro Services Pvt. Ltd.,

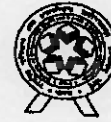
  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

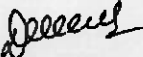
Sample ID No.: SCS/WW/20240622/41	Date of Registration: 22.06.2024
Report No. SCS/HZL/WW/20240622/41(1/2)	Date of Report: 02.07.2024

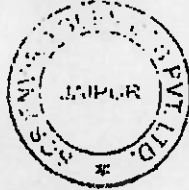
## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Details of Sample : STP Outlet Colony  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.63	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	10 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Total Residual Chlorine	< 0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
Ammonical Nitrogen (as N)	6.5 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
COD	47 Mg/L	IS 3025 (Part 44)
BOD <sub>5</sub> at 20°C	9 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
Nitrate as NO <sub>3</sub>	6.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 H

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO 4001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240622/41	Date of Registration: 22.06.2024
Report No. SCS/HZL/WW/20240622/41(2/2)	Date of Report: 02.07.2024

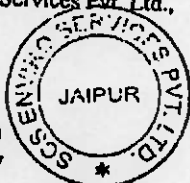
## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 22.06.2024  
Date of start of testing : 24.06.2024  
Date of end of testing : 02.07.2024  
Details of Sample : STP Outlet Colony  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Bioassay Test	100% survival of fish after 96 hours in 100 % effluent	IS 6582 (Part 2)
Fecal Coliform	Absent	APHA (24 <sup>TH</sup> Edition) 9230 C

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240730/21	Date of Registration: 30.07.2024
Report No. SCS/HZL/WW/20240730/21(1/2)	Date of Report: 06.08.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 30.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Details of Sample : STP Outlet Colony  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.45	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	9 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Total Residual Chlorine	< 0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
COD	44 Mg/L	IS 3025 (Part 44)
BOD <sub>5</sub> at 27°C	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
Nitrate as NO <sub>3</sub>	4.9 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 H

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

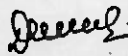
Sample ID No.: SCS/WW/20240730/21	Date of Registration: 30.07.2024
Report No. SCS/HZL/WW/20240730/21(2/2)	Date of Report: 06.08.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.07.2024  
Date of start of testing : 01.08.2024  
Date of end of testing : 06.08.2024  
Details of Sample : STP Outlet Colony  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Bioassay Test	100% survival of fish after 96 hours in 100 % effluent	IS 6582 (Part 2)
Fecal Coliform	Absent	APHA (24 <sup>TH</sup> Edition) 9230 C

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240830/66	Date of Registration: 30.08.2024
Report No. SCS/HZL/WW/20240830/66(1/2)	Date of Report: 06.09.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : STP Outlet Colony  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.62	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Total Residual Chlorine	< 0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
COD	40 Mg/L	IS 3025 (Part 44)
BOD <sub>5</sub> (at 20°C)	7 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
Nitrate as NO <sub>3</sub>	4.3 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 H

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

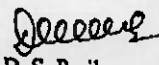
Sample ID No.: SCS/WW/20240830/66	Date of Registration: 30.08.2024
Report No. SCS/HZL/WW/20240830/66(2/2)	Date of Report: 06.09.2024

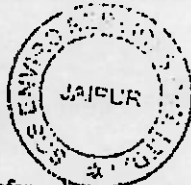
## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : STP Outlet Colony  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Bioassay Test	100% survival of fish after 96 hours in 100 % effluent	IS 6582 (Part 2)
Fecal Coliform	Absent	APHA (24 <sup>TH</sup> Edition) 9230 C

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240917/24	Date of Registration: 17.09.2024
Report No. SCS/HZL/WW/20240917/24(1/2)	Date of Report: 29.09.2024

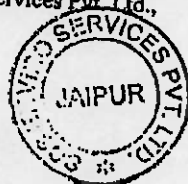
**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sample Receipt : 17.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Details of Sample : STP Outlet Colony  
Sample sent by : SCS representative

Parameter	Results	Protocol
pH	7.31	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Total Residual Chlorine	< 0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
COD	48 Mg/L	IS 3025 (Part 44)
BOD <sub>5</sub> @ 27°C	9 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
Nitrate as NO <sub>3</sub>	6.7 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 H

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

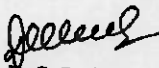
Sample ID No.: SCS/WW/20240917/24	Date of Registration: 17.09.2024
Report No. SCS/HZL/WW/20240917/24(2/2)	Date of Report: 29.09.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 17.09.2024  
Date of start of testing : 19.09.2024  
Date of end of testing : 29.09.2024  
Details of Sample : STP Outlet Colony  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Bioassay Test	100% survival of fish after 96 hours in 100 % effluent	IS 6582 (Part 2)
Fecal Coliform	Absent	APHA (24 <sup>TH</sup> Edition) 9230 C

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

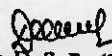
Sample ID No.: SCS/W/20240419/39	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/39	Date of Report: 30.04.2024

### TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 1 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.54	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	0.05 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	2.89 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042218

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

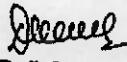
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Report No. SCS/HZL/W/20240419/40	Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 2 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.25	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.84 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/41	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/41	Date of Report: 30.04.2024

### TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 3 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.63	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.40 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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- This report in full or in part, shall not be used for advertising or as evidence in any court of law.
- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.

# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/42	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/42	Date of Report: 30.04.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 4 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	6.73	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	4.20 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

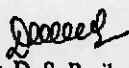
Sample ID No.: SCS/W/20240419/43	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/43	Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 5 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.14	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	2.50 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

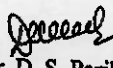
Sample ID No.: SCS/W/20240419/44	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/44	Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 6 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.90	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	0.02 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.28 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

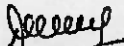
Sample ID No.: SCS/W/20240419/45	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/45	Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 7 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.62	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.10 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042218

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/46	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/46	Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 8 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.20	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.16 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

*[Signature]*  
Dr. D. S. Parihat  
(Technical Manager)  
  


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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

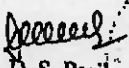
Sample ID No.: SCS/W/20240419/47	Date of Registration: 19.04.2024
Report No. SCS/HZL/W/20240419/47	Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 9 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.42	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.09 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/48

Report No. SCS/HZL/W/20240419/48

Date of Registration: 19.04.2024

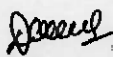
Date of Report: 30.04.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 19.04.2024  
Date of start of testing : 22.04.2024  
Date of end of testing : 30.04.2024  
Details of Sample : Piezometer No. 10 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.40	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	1.42 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory \*

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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/33	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/33	Date of Report: 06.09.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 1 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.82	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	0.04 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	1.95 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/34	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/34	Date of Report: 06.09.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 2 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.56	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.31 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/35	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/35	Date of Report: 06.09.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 3 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.80	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.26 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042218



TC-13363

ISO 9001:2015 CERTIFIED LABORATORY  
ISO 14001:2015 CERTIFIED LABORATORY  
ISO 45001:2018 CERTIFIED LABORATORY

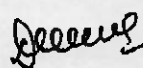
Sample ID No.: SCS/W/20240830/36	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/36	Date of Report: 06.09.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 4 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	6.95	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	3.34 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/37	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/37	Date of Report: 06.09.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 5 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.38	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	1.82 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/38	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/38	Date of Report: 06.09.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 6 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	8.13	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.20 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

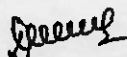
Sample ID No.: SCS/W/20240830/39	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/39	Date of Report: 06.09.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 7 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.78	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.06 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

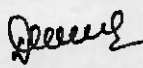
Sample ID No.: SCS/W/20240830/40	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/40	Date of Report: 06.09.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 8 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.48	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.11 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
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(Technical Manager)  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
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ISO-45001:2018 CERTIFIED LABORATORY

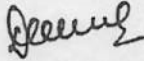
Sample ID No.: SCS/W/20240830/41	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/41	Date of Report: 06.09.2024

**TEST REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 9 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.58	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.05 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
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(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/42	Date of Registration: 30.08.2024
Report No. SCS/HZL/W/20240830/42	Date of Report: 06.09.2024

## TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Sampling : 30.08.2024  
Date of start of testing : 02.09.2024  
Date of end of testing : 06.09.2024  
Details of Sample : Piezometer No. 10 Water  
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.65	APHA (24 <sup>TH</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn	0.88 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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# SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
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Sample ID No.: SCS/AN/20240419/21	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/21	Date of Report: 30.04.2024

## AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Environment Lab Area  
Parameter required : Ambient Noise

### Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	58.3	47.9
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/22	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/22	Date of Report: 30.04.2024

### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Railway Gate / SRP Area  
Parameter required : Ambient Noise

#### Results

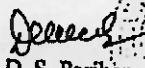
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	62.5	51.4

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.,

  
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(Technical Manager)  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

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Sample ID No.: SCS/AN/20240419/23	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/23	Date of Report: 30.04.2024

### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near ETP Area  
Parameter required : Ambient Noise

#### Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	63.0	56.1
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.,

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(Technical Manager)  
Authorised Signatory

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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

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ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/24	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/24	Date of Report: 30.04.2024

### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near DG room Area  
Parameter required : Ambient Noise

#### Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	58.9	50.4
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

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ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/25  
Report No. SCS/HZL/AN/20240419/25

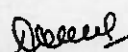
Date of Registration: 19.04.2024  
Date of Report: 30.04.2024

### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near ZSD Main Gate Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	65.6	56.4
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
1. Day time if from 6.00am to 10 pm		
2. Night time if from 10.00 pm to 6 am		
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.		
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority		

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
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Sample ID No.: SCS/AN/20240419/26	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/26	Date of Report: 30.04.2024

### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near ZE Area  
Parameter required : Ambient Noise

#### Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	68.9	64.7
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
1. Day time if from 6.00am to 10 pm		
2. Night time if from 10.00 pm to 6 am		
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.		
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority		

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Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
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Sample ID No.: SCS/AN/20240419/27	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/27	Date of Report: 30.04.2024

### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Vagh Bridge Area  
Parameter required : Ambient Noise

#### Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	66.0	55.4

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory.

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- All disputes are subjected to Jaipur jurisdiction.

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/28	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/28	Date of Report: 30.04.2024

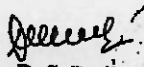
### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near MCTP Entrance Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	64.2	53.8
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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 RAMNAGARIYA ROAD, JAGATPURA,  
 JAIPUR-302017, RAJASTHAN (INDIA)  
 CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
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Sample ID No.: SCS/AN/20240419/29  
 Report No. SCS/HZL/AN/20240419/29

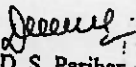
Date of Registration: 19.04.2024  
 Date of Report: 30.04.2024

**AMBIENT NOISE MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
 Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
 Date of Monitoring : 19.04.2024  
 Date of start of testing : 19.04.2024  
 Date of end of testing : 20.04.2024  
 Duration of sampling : 24 Hrs.  
 Type of Industry : Non-Ferrous Metal Industry  
 Name of Location : Near Roaster Area  
 Parameter required : Ambient Noise  
**Results**

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	70.9	65.0
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
1. Day time if from 6.00am to 10 pm		
2. Night time if from 10.00 pm to 6 am		
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.		
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority		

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
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ISO-45001:2018 CERTIFIED LABORATORY

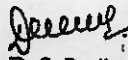
Sample ID No.: SCS/AN/20240419/30	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/30	Date of Report: 30.04.2024

### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Workshop Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	68.5	59.4
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
1. Day time if from 6.00am to 10 pm 2. Night time if from 10.00 pm to 6 am 3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority. 4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority		

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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/31	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/31	Date of Report: 30.04.2024

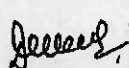
### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Solar Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	58.5	50.3
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/32	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/32	Date of Report: 30.04.2024

### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Hospital Area  
Parameter required : Ambient Noise

#### Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	53.9	44.8
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
1. Day time if from 6.00am to 10 pm		
2. Night time if from 10.00 pm to 6 am		
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.		
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority		

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
 RAMNAGARIYA ROAD, JAGATPURA,  
 JAIPUR-302017, RAJASTHAN (INDIA)  
 CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
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 ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/33  
 Report No. SCS/HZL/AN/20240419/33

Date of Registration: 19.04.2024

Date of Report: 30.04.2024

**AMBIENT NOISE MONITORING REPORT**

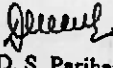
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
 Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
 Date of Monitoring : 19.04.2024  
 Date of start of testing : 19.04.2024  
 Date of end of testing : 20.04.2024  
 Duration of sampling : 24 Hrs.  
 Type of Industry : Non-Ferrous Metal Industry  
 Name of Location : Near STP Area  
 Parameter required : Ambient Noise

**Results**

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	63.8	56.4
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
 2. Night time if from 10.00 pm to 6 am  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
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ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/34  
Report No. SCS/HZL/AN/20240419/34

Date of Registration: 19.04.2024  
Date of Report: 30.04.2024

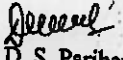
### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Store  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	55.0	45.7
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
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Sample ID No.: SCS/AN/20240419/35	Date of Registration: 19.04.2024
Report No. SCS/HZL/AN/20240419/35	Date of Report: 30.04.2024

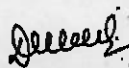
### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 19.04.2024  
Date of start of testing : 19.04.2024  
Date of end of testing : 20.04.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Leaching Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	68.4	63.0
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/15	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/15	Date of Report: 06.09.2024

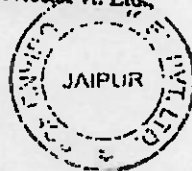
**AMBIENT NOISE MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Environment Lab Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	56.9	49.4
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
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**SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/16	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/16	Date of Report: 06.09.2024

**AMBIENT NOISE MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Railway Gate / SRP Area  
Parameter required : Ambient Noise

**Results**

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	64.7	53.5
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

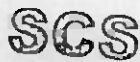
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**SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/17	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/17	Date of Report: 06.09.2024

**AMBIENT NOISE MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near ETP Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	66.2	59.4
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
1. Day time if from 6.00am to 10 pm 2. Night time if from 10.00 pm to 6 am 3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority. 4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority		

Per pro SCS Enviro Services Pvt. Ltd.,

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/18	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/18	Date of Report: 06.09.2024

**AMBIENT NOISE MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near DG room Area  
Parameter required : Ambient Noise

**Results**

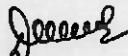
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	60.3	52.7

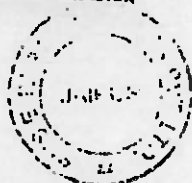
  

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/19	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/19	Date of Report: 06.09.2024

**AMBIENT NOISE MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near ZSD Main Gate Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	67.5	59.1
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-18001:2015 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/20	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/20	Date of Report: 06.09.2024

**AMBIENT NOISE MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near ZE Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	70.1	65.0
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
1. Day time if from 6.00am to 10 pm 2. Night time if from 10.00 pm to 6 am 3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority. 4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority		

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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/21	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/21	Date of Report: 06.09.2024

### AMBIENT NOISE MONITORING REPORT

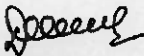
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Weigh Bridge Area  
Parameter required : Ambient Noise

#### Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	68.5	57.9
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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 JAIPUR-302017, RAJASTHAN (INDIA)  
 CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
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 ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/22	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/22	Date of Report: 06.09.2024

**AMBIENT NOISE MONITORING REPORT**

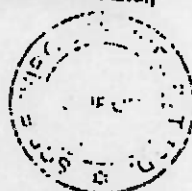
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
 Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
 Date of Monitoring : 30.08.2024  
 Date of start of testing : 30.08.2024  
 Date of end of testing : 31.08.2024  
 Duration of sampling : 24 Hrs.  
 Type of Industry : Non-Ferrous Metal Industry  
 Name of Location : Near MCTP Entrance Area  
 Parameter required : Ambient Noise  
**Results**

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	65.3	55.0
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
 2. Night time if from 10.00 pm to 6 am  
 3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
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ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/23	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/23	Date of Report: 06.09.2024

### AMBIENT NOISE MONITORING REPORT

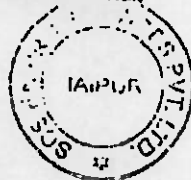
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Roaster Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	69.4	64.2
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
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ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/24	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/24	Date of Report: 06.09.2024

**AMBIENT NOISE MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Workshop Area  
Parameter required : Ambient Noise  
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	63.0	56.8
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
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RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/25	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/25	Date of Report: 06.09.2024

**AMBIENT NOISE MONITORING REPORT**

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Solar Area  
Parameter required : Ambient Noise  
Results

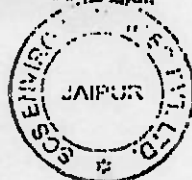
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	56.1	49.4

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/26	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/26	Date of Report: 06.09.2024

## AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Hospital Area  
Parameter required : Ambient Noise

### Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	54.1	43.4
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/27	Date of Registration: 30.08.2024
Report No. SCS/HZL/AN/20240830/27	Date of Report: 06.09.2024

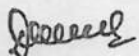
**AMBIENT NOISE MONITORING REPORT**

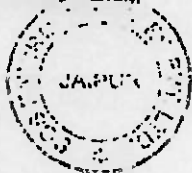
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near STP Area  
Parameter required : Ambient Noise

**Results**

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	65.0	58.2
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
1. Day time if from 6.00am to 10 pm		
2. Night time if from 10.00 pm to 6 am		
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.		
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Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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- This report in full or in part, shall not be used for advertising or as evidence in any court of law.
- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
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**SCS ENVIRO SERVICES PRIVATE LIMITED**

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,  
RAMNAGARIYA ROAD, JAGATPURA,  
JAIPUR-302017, RAJASTHAN (INDIA)  
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY  
ISO-14001:2015 CERTIFIED LABORATORY  
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/28  
Report No. SCS/HZL/AN/20240830/28

Date of Registration: 30.08.2024

Date of Report: 06.09.2024

### AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
Date of Monitoring : 30.08.2024  
Date of start of testing : 30.08.2024  
Date of end of testing : 31.08.2024  
Duration of sampling : 24 Hrs.  
Type of Industry : Non-Ferrous Metal Industry  
Name of Location : Near Store  
Parameter required : Ambient Noise

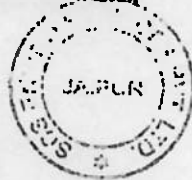
#### Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	53.4	44.6
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
2. Night time if from 10.00 pm to 6 am  
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.

  
Dr. D. S. Parihar  
(Technical Manager)  
Authorised Signatory



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**SCS****SCS ENVIRO SERVICES PRIVATE LIMITED**

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 ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/29  
 Report No. SCS/HZL/AN/20240830/29

Date of Registration: 30.08.2024  
 Date of Report: 06.09.2024

**AMBIENT NOISE MONITORING REPORT**

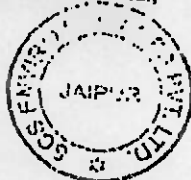
Name of Client : M/s. Hindustan Zinc Limited, Zinc Smelter, Debari  
 Address of Client : Village: Debari, Udaipur-313024, Rajasthan  
 Date of Monitoring : 30.08.2024  
 Date of start of testing : 30.08.2024  
 Date of end of testing : 31.08.2024  
 Duration of sampling : 24 Hrs.  
 Type of Industry : Non-Ferrous Metal Industry  
 Name of Location : Near Leaching Area  
 Parameter required : Ambient Noise  
 Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	69.1	65.0
Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm  
 2. Night time if from 10.00 pm to 6 am  
 3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.  
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