



#### DZS/ENV/A-20/Env.Statement /2024-25/ 421

22/09/2025

To,
The Member Secretary
Rajasthan State Pollution Control Board,
4, Institutional Area, Jhalana Doongri,
Jaipur (Raj.) -302004

Sub.: Submission of Environment Statement for Zinc Smelter, Debari FTY 2024-25.

- Ref.:
- DZS file no.: Consents: M-23/CPM and Consent to Operate of Zinc Smelter Debari: F(HDF)/Udaipur (Girwa)/1328(1)/2022-2023/7460-7462 dated 17/03/2023
- **2.** DZS File No.: Moore Cake-M-24/CPM, Consent to Operate: F(HDF)/Udaipur (Girwa)/1330(1)/2023-2024/4374-4376 dated: 09.10.2023
- 3. DZS File No.: CPP-DG Set: P-81/CPM, Consent to Operate: F(HDF)/Udaipur (Girwa)/1338(1)/2023-2024/6961-6963 dated: 07/02/2024
- 4. DZS File No.: Central Hospital, Debari Consent to Operate: F(BMW)/Udaipur (Girwa)/7008(1)/2021-2022/1340-1341 dated 21/01/2022
- DZS File No.: Zinc Smelter Debari Colony Consent to Operate: F(CPM)/Udaipur(Girwa)/F(HDF)/Udaipur(Girwa)/1341(1)/2024-2025/1340-1342

#### Dear Sir,

Please find herewith the enclosed Environment Statement for our Zinc Smelter, Debari, Stockpiled Moore Cake Treatment Plant, Central Hospital - HZL plant, DG Set (2x7.4MW), Zinc Smelter Debari Colony for the year 2024-25 in compliance to the notification issued by Ministry of Environment and Forest, New Delhi.

The statement is in accordance to the standard format Part A to Part I.

Kindly acknowledge receipt of the statement.

Thanking you,

Yours faithfully

Vivet Vaday

(SBU Director-Zinc Smelter Debari)

MADE TO SERVICE TO SERVICE SER

010

#### CC to:

- 1. Regional Officer
  Rajasthan State Pollution Control Board,
  F-470, Near UCCI Building,
  Madri Industrial Area
  Udaipur-313001 (Rajasthan)
- 2. The Deputy Director (S)/Scientist-C
  Ministry of Environment Forest & Climate Change,
  Integrated Regional Office, A-209&218, Aranya Bhavan
  Jhalana Institutional Area, Jaipur-302004

#### **Environment Statement For The Year 2024-25**

#### FORM-V

#### PART- "A"

_		
1.	a) Name and address of the	Shri Arun Misra
	owner/occupier of the	Chief Executive Officer,
	industry, Operation or	Hindustan Zinc Limited.,
	Process.	Yashad Bhawan, Udaipur,
		Rajasthan - 313001
	b) In charge operation	Shri Vivek Yadav
	t)B	(SBU Director)
		Zinc Smelter, Debari 313024,
		Dits : Udaipur.
		Rajasthan - 313024
2.	c) Operation	Zinc Smelting, Power Generation & Stockpiled Moore Cake Treatment Plant
	Industry Category	RED
	Primary (STC CODE)	LARGE
	Secondary (STC CODE)	EAROL
	Secondary (STE CODE)	
3.	Production Capacity	1. For the Zinc Smelter, Debari
		A. Zinc Metal 100,000 TPA
		B. Calcine 445,000 MTPA
		C. Solar Power Plant 12.50 MW
		D. Calomel 15 MTPA
		E. Sodium Chloride 2,000 MTPA
		F. Sodium Sulphate 16,500 MTPA
		G. Cadmium 320 MTPA
		H. Sulphuric Acid 419,000 TPA
		I. Power Generation From Waste Heat recovery 8 MW
		2. For the Captive Power Plant
		Power generation 14.80 MW (2 x7.4 MW)
		(Captive Power Plant)
		3.For the Stockpiled Moore Cake Treatment
		Plant
		Raw Zinc Oxide Powder 50.00 MT/DAY

4.	Year of Establishment	<ul> <li>Zinc Smelter Debari: 1968</li> <li>DG Sets: 2003</li> <li>MCTP (Moore Cake Tratement Plant (MCTP): 2004</li> <li>Solar plant: 2017</li> </ul>
5.	Date of last Environmental Statement submitted.	25/09/2024

#### PART "B"

#### Water and Raw Material Consumption

#### (I) Water consumption on M<sup>3</sup>/Day

Industrial use Domestic (**M³/Day)** 3038.79 M³/Day 1117.41 M³/Day

	Water Consump	tion per unit of products
Name of Product	During the previous financial year (2023-24)	During the current financial year (2024-25)
Zinc Ingot* (Including Sulphuric Acid, power generation through WHRB, DG power, RZO)	12.13 m3/MT	13.11 m3/MT

<sup>\*</sup>Operation of SAP- I have been suspended since November 2013 and same has been dismantled.

#### (II) Raw Material Consumption

		Consumption of raw outp	
Name of raw material	Name of Product	During the previous financial year (2023-24)	During the current financial year (2024-25)
1. Zinc Concentrate	Zinc-Ingot	2.05 MT	2.16 MT
2. Zinc Concentrate	Calcine	1.12 MT	1.12 MT
3. Moore Cake	Raw Zinc oxide	3.94 MT	3.45MT

#### PART "C"

# Pollution Generated (Parameters as specified in the consent issued)

Pollutants	Quantity of pollution generated	Concentration of pollutant in discharge (Mass/Volume)	Percentage of variation from prescribed standards with reasons
(a) Water		e is maintained. Report of ETI I B (No Variation-Under Norm	
(b) Air	Captive power plant	Sulphuric Acid Plant II & III enclosed and for Stockpiled I Annexure III & Annexure IV	

## PART "D" Hazardous Wastes

# (As specified under The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

	Total Quan	tity (MT)
Hazardous Waste	During the previous financial year (2023-24)	During the current financial year (2024-25)
a) From Process     b) From pollution     control facilities	Pl. see Annexure-V A	Pl. see Annexure-V B

PART "E": Solid Wastes

	Total Q	uantity (MT)
Solid Wastes	During Previous Financial year (2023-24)	During the current financial year(2024-25)
a) From process: b) From pollution control facilities Slag: 1) Slag from Moore Cake Treatment Plant 2) Quantity recycled or reutilized	32205 0	39470 0

#### PART "F"

(Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of waste.)

#### • Hazardous Waste: -

S. No.	Name of Waste	Chemical Characteristics	Ca	itegory	Disposal Practice
1	Discarded asbestos	-	I	15.2	CTDF Udaipur
2	Spent Catalyst	V2O5- 3-4%	I	17.2	CTDF Udaipur
3.	Empty barrels/ containers/ liners contaminated with hazardous chemicals/ wastes	-	Ī	33.1	CTDF Udaipur
4.	Sludge from treatment of wastewater arising out of cleaning/ disposal of barrels / containers	-	I	34.2	CTDF Udaipur
5.	Water Purification resin or spent ion exchange resin containing toxic metals	-	I	35.2	CTDF Udaipur
6	Chemical sludge from wastewater treatment	Zn 3.0 – 4.0 %	I	35.3	CTDF Udaipur
7.	Concentration or evaporation Residues	-	I	37.3	CTDF Udaipur
8.	Used / Spent Oil	-	I	5.1	Sale to Registered Recycler

9	Filter contaminated with oil	-	I	5.2	CTDF Udaipur/ co- processing in cement Plant
10	Waste or residue containing Oil		I	5.2	Sales to Registered Recycler
11.	Anod Mud	Cd 0.003 – 0.004 % Cu 0.008 – 0.009 % Pb 8.0 – 12.0% Zn0.5 –1.0 %	I	7.2	Co processing in cement plant /Registered recycler/Reprocess
12.	Cooler Cake	Cd 0.003-0.004 % Cu 0.003-0.004 % Zn 3.0 - 4.0 %	I	7.2	CTDF Udaipur
13.	Purification Cake	Z 25-30% Cd 2.92-7.00% Cu 1.27-2.48%	I	7.2	Reuse in process/Sales to registered recyclers
14.	Process residues	-	I	7.2	CTDF Udaipur
15.	Process residues	-	I	7.2	Sales to Registered Recycler/CTDF Udaipur
16.	Zinc ash/skimming/other zinc bearing wastes arising from smelting and refining, zinc dross bottom		IV	14	Sales to Registered Recycler/Reprocess
17	Jarosite cake	Cd 0.030 - 0.040% Pb 4.000- 4.500% Zn 2.000- 2.500%	Ш	OW	Co processing in cement Plant

#### PART "G"

Impact of the Pollution control measures on conservation of natural resources and consequently on the cost of production.

#### 1. Water Conservation:

Effluent Treatment Plant of 5760 KLD capacity is installed to treat the effluent generated from the process. Additionally, RO-ZLD plant with MVR system (3000 KLD Capacity) is also installed to ensure effective treatment and Zero Liquid Discharge (ZLD) a to improve quality and quantity of treated water and its recycling in process. All treated water is being used in process. MVR system in RO ZLD plant also ensures effective and mechanized evaporation and treatment of Reject generated from treatment process.



Effluent treatment plant (ETP)



Sewage treatment plant (STP)



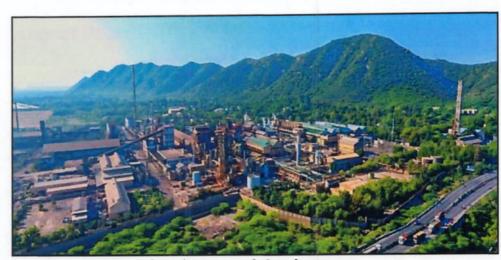
**RO-ZLD** plant

- Sewage treatment Plant with the capacity of 200 KLD inside the plant & 600 KLD inside the colony is installed to treat the domestic sewage of plant & colony. Treated water is being used in horticulture and plantation areas.
- Flow meters Installed for measuring recycled / reuse of treated water.
- Installation of rainwater harvesting system at Laboratory, Guest house building, Admin and Colony.
- Preventive maintenance of all recycle/ fresh water pipelines is being ensured to prevent losses due to spillage and leakages.
- Drip irrigation is provided for plantation area.
- Treated water from CSTP- Udaipur City is main source of water for process.

- Fresh water is being used for Domestic purpose only.
- No Ground water is used in operation.

#### 2. To Maintain Ecological Balance:

- About 76.28-hectare area in and around the plant area is covered under green belt out of 190.05 hectare including lawns, plantation of local species has been ensured.
- 16200nos plantations has been done in ZSD Colony in FY 24-25 to increase our green belt area.
- Regular maintenance with a dedicated team and other resources is being done for existing plant, parks and green belt cover in factory area is carried out.
- Biodiversity study of Flora, Fauna & butterfly for Zinc Smelter, Debari within 10 Km radius have been completed by the expert.
- Preservation of trees and shrubs for providing better niche for the animals.
   Installation of artificial nesting of Birds to promote Biodiversity conservation.
- Engaging the IUCN to Enhancement and protection of biodiversity by impactful assessment of ZSD.
- Visual display for awareness indicating conservation of wild fauna & flora.



Plantation view around the plant area





Avenue Plantation



20000 Plantation in ZSD Colony





16200 Plantation in ZSD colony

#### 3. Air Quality Management:

- Reduction of the generation of fugitive dust by regular sprinkling of water and by using of heavy duty vacuum cleaner.
- Avenue plantation has been ensured to reduce dust emission due to vehicular movement
- Online analysers for SO2, NOx, SPM and O2 emission are installed and connected to PCB server. All PCEs are interlocked.
- All PCM's like Cyclone, scrubber, wet ESP, absorption tower, demister etc. have been installed in all acid plant.
- Bag filters and fume extractors are provided and are being operated efficiently in Zinc Melting, casting unit, Calcine handling system and Moore cake treatment plant.
- All Raw Material, Chemical and Consumables, By products, Products and waste is being stored in Closed Shed to avoid contamination with air, water and soil.
- In process material being transferred in closed conveyors.
- 4 no's of CAAQMS are installed to monitored Ambient Quality Monitoring.



Water spray tanker on Road



Vacuum Road Sweeper



Online Analyzer - CEMS



CAAQMS

#### PART "H"

# Additional investment proposal for environmental protection including abatement of pollution

- The environmental expenditure for the year was 1399.58 Lacs including new plantation and maintenance of existing plantation inside the factory.
- Real time online analyzer for Air & Water quality monitoring installed at Stack, ETP & STP.
- Dispatch of Jarosite to cement industries.

#### PART "I"

# Any other particulars in respect of environment protection and abatement of pollution

- 100 % of Jarosite generated from process is being sent for co-processing in cement industries Gainful utilization of 78579.41MT.
- Capping of Jarosite Pond, I and II has been done as per the prevailing standards. The current 3rd Jarosite Pond Jarosite Pond Secure Landfill is planned to be capped.
- Regular training for safe handling is being given for persons involved for handling & storage of hazardous waste.
- Disposal of Cooler cake, liners, container, spent catalyst, ETP cake to Common HWTSDF at Gudli.
- Waste oil/used oil sold to registered recyclers.
- Lead Acid Batteries sold to registered recyclers.
- Recycling of Anode mud in Leaching resulting into resource conservation.
- 1031.24 MT Sodium Sulphate generated from RO-ZLD unit out of which 1031.24MT has been used in our process.
- ESG committee has been established at site to have an integrated approach towards sustainability & help to achieve HZL sustainability goals 2030.
- Awareness program conducted for employees and their families on the occasion of Water Day, Biodiversity day, Energy day, Earth day & World Environment Day.
- Rajasthan State Pollution Control Board (RSPCB) along with Confederation of Indian Industry (CII) has awarded ZSD with <u>GreenCo Silver rating valid up</u> to 2025.



Awareness session & Poster making competition at summer camp in nearby school





**Awareness Program for Communities** 





Awareness Programs for Employees and Business partner





**Awareness Programs for Employees and Business partner** 





Green Co Silver Rating 2022-25

#### List of Annexure: -

- Annexure I- ETP Outlet Report FTY 2024-25
- Annexure II A- Plant STP Outlet Report FTY 2024-25
- Annexure II B- Colony STP Outlet Report FTY 2024-25
- Annexure III- Ambient Air Quality Monitoring Report FTY 2024-25
- Annexure IV- Stack Emission Report FTY 2024-25
- Annexure V A- Form No. 4 FTY 23-24
- Annexure V B-Form No. 4 FTY 24-25
- Annexure VI- Piezometer Report FTY 2024-25
- Annexure VII- Ambient Noise Monitoring Report FTY 2024-25.

# ETP OUTLET WATER (April 24 -Dec 24)

Parameter	TSS (Mg/L)	TSS BOD (Mg/L)	Chlorid e as Cl (Mg/L)	COD (Mg/L)	Cyanide as CN (Mg/L)	Fluorid e as F ( Mg/L)	£	Sutphid e as S (Mg/L)	Cadmiu Copper Mercury Iron as mas Cd as Cu as Hg Fe (Mg/L) (Mg/L) (Mg/L)	Copper as Cu (Mg/L)	Mercury as Hg (Mg/L)		Lead as Pd (Mg/L)	Nickel Zinc as as Ni Zn (Mg/L)		Oit and Greas e e	Sample date	Report Reference number
Limit	100	30	1000	250	0.2	2	5.5-9.0	2	2	3	0.01	1	0.1	3	R,	10		
April'2024	11	10	257.9	120	<0.02	0.53	8.38	<0.5	<0.01	<0.01	<0.001	0.12	<0.01	<0.01	0.13	<5	20/04/2024	SCS/HZL/W/20240419/38
May '2024	11	15	237.9	109	<0.02	0.82	8.64	<0.5	<0.01	<0.01	<0.001	0.1	<0.01	<0.01	0.1	<5	24/05/2024	SCS/HZL/W/20240523/14
June'2024	<5	12	219.9	80	<0.02	0.75	8.15	<0.5	<0.01	<0.01	<0.001	90.0	<0.01	<0.01	0.1	<5	22/06/2024	SCS/HZL/W/20240622/37
July'2024	<5	15	239.9	120	<0.02	0.92	7.89	<0.5	<0.01	<0.01	<0.001	0.08	<0.01	<0.01	0.1	<5	31/07/2024	SCS/HZL/W/20240730/17
August'2024	32	6	279.9	80	<0.02	0.78	7.75	<0.5	<0.01	<0.01	<0.001	0.15	<0.01	<0.01	0.16	<5	31/08/2024	SCS/HZL/W/20240830/32
September'2024	8	17	219.9	140	<0.02	0.55	8.68	<0.5	<0.01	<0.01	<0.001	0.1	<0.01	<0.01	0.29	<5	18/09/2024	SCS/HZL/W/20240917/21
October'2024	14	19	183.9	160	<0.02	9.0	8.8	<0.5	<0.01	<0.01	<0.001	90.0	<0.01	<0.01	0.36	<5	09/10/2024	SCS/HZL/W/20241008/44
November'2024	31	12	219.9	100	<0.02	0.61	8.05	<0.5	<0.01	<0.01	<0.001	0.1	<0.01	<0.01	0.1	<5	28/11/2024	SCS/HZL/W/20241127/32
December'2024	9	13	183.9	100	<0.02	0.63	7.74	<0.5	<0.01	<0.01	<0.001	90.0	<0.01	<0.01	0.2	<5	18/12/2024	SCS/HZLW/20241217/25

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



ISO-8001:2015 CERTIFIED LABORATORY ISO-44001:2015 CERTIFIED LABORATORY ISO-48001:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250115/25	Date of Registration: 15.01.2025
Report No. SCS/HZL/W/20250115/25(1/2)	Date of Report: 25.01.2025

#### TEST REPORT

Name of Client M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Address Client Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling 15.01.2025 17.01.2025 Date of start of testing Date of end of testing 25.01.2025 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	34 Mg/L	100 Mg/L	APHA (24TH Edition) 2540D
pH value	8.91	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
BOD 1Days at 27°C	22 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	200 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)	0.47 Mg/L	5.0 Mg/L	APHA (24TH 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 (24TH 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	213.9 Mg/L		APHA (24TH Edition) 4500 Cl- B
Iron (as Fe)	0.06 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Fluoride (as F)	0.73 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pyt. Ltd.,

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

- The results refer only to the tested sample and applicable parameters.
- 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.



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

ISO-0001:2016 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250115/25	Date of Registration: 15.01.2025
Report No. SCS/HZL/W/20250115/25(2/2)	Date of Report: 25.01.2025

#### TEST REPORT

Name of Client M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Address Client Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling 15.01.2025 Date of start of testing 17.01.2025 Date of end of testing 25.01.2025 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 (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

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

- The results refer only to the tested sample and applicable parameters.
- 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.

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



IEC-9801;2815 CERTIFIED LABORATORY ISC-14081;2915 CERTIFIED LABORATORY ISC-45081;2818 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250201/48	Date of Registration: 01.02.2025
Report No. SCS/HZL/W/20250201/48(1/2)	Date of Report: 11.02,2025

#### TEST REPORT

Name of Client M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Address Client Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling 03.02.2025 Date of start of testing 05.02.2025 Date of end of testing 11.02.2025 ETP Outlet Water Details of Sample 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	27 Mg/L	100 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540D
pH value	8.49	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
BOD3Days at 27°C	10 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	60 Mg/L	250 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	APHA (24TH 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)	0.06 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 (24TH Edition) 4500CN C&E
Mercury (as Hg)	< 0.001 Mg/L	0.01 Mg/L	APHA (24TH Edition) 3112B
Chloride as Cl	189.9 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)	0.67 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

(Technical Manager) Authorised Signatory

The results refer only to the tested sample and applicable parameters.

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.



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

ISO-9881:2816 CERTIFIED LABORATORY ISO-14981:2816 CERTIFIED LABORATORY ISO-45981:2816 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250201/48	Date of Registration: 01.02.2025
Report No. SCS/HZL/W/20250201/48(2/2)	Date of Report: 11.02.2025

#### TEST REPORT

Name of Client M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Address Client Village: Debari, Udaipur-313024, Rajasthan

03.02.2025 Date of Sampling Date of start of testing 05.02.2025 11.02.2025 Date of end of testing 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

- The results refer only to the tested sample and applicable parameters.
- 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.

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-45001:2015 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250324/29	Date of Registration: 24.03.2025
Report No. SCS/HZL/W/20250324/29(1/2)	Date of Report: 02.04.2025

#### TEST REPORT

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Name of Client Village: Debari, Udaipur-313024, Rajasthan Address Client

Date of Sampling 25.03.2025 26.03.2025 Date of start of testing Date of end of testing 02.04.2025 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	23 Mg/L	100 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540D
pH value	8.14	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
BOD apays at 27°C	8 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	40 Mg/L	250 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	APHA (24 <sup>TII</sup> Edition) 5520 O&G B
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	APHA (24 <sup>rtt</sup> Edition) 3111B
Copper (as Cu)	< 0.01 Mg/L	3.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc (as Zn)	0.04 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 (24TH Edition) 4500CN C&E
Mercury (as Hg)	< 0.001 Mg/L	0.01 Mg/L	APHA (24TH Edition) 3112B
Chloride as Cl	149.9 Mg/L	-	APHA (24TH Edition) 4500 CI-B
Iron (as Fe)	0.05 Mg/L	3 Mg/L	APHA (24 <sup>111</sup> Edition) 3111B
Fluoride (as F)	0.88 Mg/L	2 Mg/L	APHA (24 <sup>11</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.



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

ISO-8001:2815 CERTIFIED LABORATORY ISO-14081;2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250324/29	Date of Registration: 24.03.2025
Report No. SCS/HZL/W/20250324/29(2/2)	Date of Report: 02.04.2025

#### TEST REPORT

Name of Client M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Address Client Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling 25.03.2025 26.03,2025 Date of start of testing Date of end of testing 02.04,2025 ETP Outlet Water Details of Sample Sample collected by SCS Representative

SERVI

JAIPUR

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.,

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

The results refer only to the tested sample and applicable parameters.

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.

STP PLANT OUTLET (April 24 - Dec 24)

(Mg/L)         PH Nitrogen as NITR		TSS		Ammonical	COD (	BOD (	Oil &	Nitrate		
100         5.5-9         50         250         30           5         6.93         5.1         42         7           6         7.04         5.9         45         8           8         7.16         <5         39         6           9         7.25         <5         45         8           1         <5         8.55         <5         40         8           6         7.25         <5         40         8           7         8         8.05         <5         40         7           8         8.05         <5         40         7	Parameter	(Mg/L)	H.	Nitrogen as N ( Mg/L)	Mg/L)	Mg/L)	Grease (Mg/L)	as NO3	Sample Date	Report Number
5       6.93       5.1       42       7         7       7.04       5.9       45       8         6       7.22       5.2       39       6         8       7.16       <5       45       8         6       7.25       <5       46       8         <5       8.55       <5       40       8         <5       7.02       <5       40       7         8       8.05       <5       40       7	Limit as per CTO	100	5.5-9	50	250	30	10	50		
7       7.04       5.9       45       8         6       7.22       5.2       39       6         8       7.16       <5	April'2024	2	6.93	5.1	42	7	<5	4.9	20/04/2024	SCS/HZL/WW/20240419/68
6       7.22       5.2       39       6         8       7.16       <5       45       8         6       7.25       <5       34       6         <5       8.55       <5       40       8         <5       7.02       <5       40       7         8       8.05       <5       40       7	May '2024	7	7.04	5.9	45	8	<5	4.4	24/05/2024	SCS/HZL/WW/20240523/16
8         7.16         <5	June'2024	9	7.22	5.2	39	9	<5	3.7	22/06/2024	SCS/HZL/WW/20240622/39
6       7.25       <5       34       6         <5       8.55       <5       40       8         <5       7.02       <5       40       7         8       8.05       <5       40       7	July'2024	80	7.16	<5	45	8	<5	4.6	30/07/2024	SCS/HZL/WW/20240730/19
<5       8.55       <5       40       8         <5       7.02       <5       40       7         8       8.05       <5       40       7	August'2024	9	7.25	<5	34	9	<5	3.5	30/08/2024	SCS/HZL/WW/20240830/64
<5     7.02     <5     40     7       8     8.05     <5     40     7	September'2024	<5>	8.55	<5	40	8	<5>	3.3	17/09/2024	SCS/HZL/WW/20240917/22
8 8.05 <5 40 7	October'2024	<5	7.02	<5	40	7	<5	4.2	08/10/2024	SCS/HZL/WW/20241008/46
L,	November'2024	8	8.05	<5>	40	7	<5	5	28/11/2024	SCS/HZL/WW/20241127/64
<5   7.7.7   <5   46   9	December'2024	<b>5</b> >	7.22	<5	46	6	<5	5.2	17/12/2024	SCS/HZL/WW/20241217/27

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



ISO-M01;2015 CERTIFIED LABORATORY ISO-14001;2015 CERTIFIED LABORATORY ISO-46001;2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20250115/27	Date of Registration: 15.01.2025
Report No. SCS/HZL/WW/20250115/27	Date of Report: 25.01.2025

#### TEST REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address of Client

Sample sent by

Village: Debari, Udaipur-313024, Rajasthan

Date of Sample Receipt Date of start of testing Date of end of testing Details of Sample

17.01.2025 25.01.2025 STP Outlet Plant SCS representative

15.01.2025

Parameter	Results	Protocol
pH	7.98	APHA (24TH Edition) 4500 H
Total Suspended Solids	7 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24TH Edition) 5520 B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24TH Edition) 4500NH <sub>3</sub> B
COD	48 Mg/L	APHA (24TH Edition) 5220 B
BOD <sub>3Days at 27°C</sub>	9 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	5.6 Mg/L	APHA (24TH Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

The results refer only to the tested sample and applicable parameters.

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.

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/20250201/79	Date of Registration: 01.02.2025
Report No. SCS/HZL/WW/20250201/79	Date of Report: 11.02.2025

#### 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 Date of start of testing

03.02.2025 05.02.2025

Date of end of testing Details of Sample Sample sent by

11.02.2025 STP Outlet Plant SCS representative

Parameter	Results	Protocol
pH	8.07	APHA (24TH Edition) 4500 H
Total Suspended Solids	- 5 Mg/L	APHA (24TH Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24TH Edition) 5520 B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24TH Edition) 4500NH <sub>1</sub> B
COD	35 Mg/L	APHA (24TH Edition) 5220 B
BOD <sub>3Days at 2TC</sub>	6 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	4.2 Mg/L	APHA (24TH Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

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

- The results refer only to the tested sample and applicable parameters.
- 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.

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-14801:2815 CERTIFIED LABORATORY ISO-45901:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20250324/31	Date of Registration: 24.03.2025
Report No. SCS/HZL/WW/20250324/31	Date of Report: 02.04.2025

#### TEST REPORT

Name of Client Address of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan

Date of Sample Receipt Date of start of testing

25.03.2025 26.03,2025

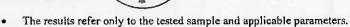
Date of end of testing Details of Sample Sample sent by

02.04.2025 STP Outlet Plant SCS representative

Parameter	Results	Protocol
pH	7.58	APHA (24TH Edition) 4500 H
Total Suspended Solids	< 5 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24TII Edition) 5520 B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24TH Edition) 4500NH <sub>1</sub> B
COD	46 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
BOD <sub>3Days at 27°C</sub>	8 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	5.1 Mg/L	APHA (24TH Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

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



**JAIPUR** 

- 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.

# STP COLONY OUTLET (April 24 - Dec 24)

Parameter	TSS (Mg/L)	H	Ammonical Nitrogen as N ( Mg/L)	COD (	BOD ( Mg/L)	Oil & Grease (Mg/L)	Nitrate as NO3	Total Residual Chlorine (Mg/L)	Fecal Coliform (FC) ( MPN per 100 ml )	Sample Date	Report Number
Limit as per CTO	100	6.5-9	50	250	30	10	20		Not to exceed 1000	The Parent II	
April'2024	10	7.62	3.7	35	7	<5	12	<0.1	Absent	20/04/2024	SCS/HZL/WW/20240419/70
May '2024	8	7.41	4.6	42	8	<5	9.3	<0.1	Absent	24/05/2024	SCS/HZL/WW/20240523/18
June'2024	10	7.63	6.5	47	6	<b>\$</b>	6.1	<0.1	Absent	22/06/2024	SCS/HZL/WW//20240622/41
July'2024	6	7.45	\$	4	88	<5	4.9	<0.1	Absent	30/07/2024	SCS/HZL/WW/20240730/21
August'2024	80	7.62	<b>\$</b>	40	7	<5	4.3	<0.1	Absent	30/08/2024	SCS/HZL/WW/20240830/66
September'2024	8	7.31	<5	48	6	\$	6.7	<0.1	Absent	17/09/2024	SCS/HZL/WW/20240917/24
October'2024	<5	8.38	<5	40	9	\$ \$	3.8	<0.1	Absent	08/10/2024	SCS/HZL/WW/20241008/48
November'2024	14	7.36	<5>	45	6	<5	9.9	<0.1	Absent	28/11/2024	SCS/HZL/WW/20241127/66
December'2024	6	7.1	<b>\$</b>	42	80	<5	9	<0.1	Absent	17/12/2024	SCS/HZL/WW/20241217/29



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

ISO-4801:2015 CERTIFIED LABORATORY ISO-44801;2018 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20250115/29	Date of Registration: 15.01.2025
Report No. SCS/HZL/WW/20250115/29(2/2)	Date of Report: 25.01.2025

#### TEST REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing

15.01.2025 17.01.2025

Date of end of testing

25.01.2025 STP Outlet Colony

Details of Sample 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

- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-9801;2015 CERTIFIED LABORATORY ISO-14001;2015 CERTIFIED LABORATORY ISO-45001-2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20250201/81	Date of Registration: 01.02.2025
Report No. SCS/HZL/WW/20250201/81(2/2)	Date of Report: 11.02.2025

#### TEST REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address Client

: Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling
Date of start of testing

: 03.02.2025 : 05.02.2025

Date of end of testing Details of Sample Sample submitted by 11.02.2025 STP Outlet Colony 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>TII</sup> Edition) 9230 C

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

The results refer only to the tested sample and applicable parameters.

. 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.

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



TC-13363

ISO-9901;2015 CERTIFIED LABORATORY ISO-14861;2915 CERTIFIED LABORATORY ISO-45961;2018 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20250324/33	Date of Registration: 24,03,2025
Report No. SCS/HZL/WW/20250324/33(1/2)	Date of Report: 02.04.2025

#### 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 Date of start of testing

25.03.2025 26.03.2025

Date of end of testing Details of Sample Sample sent by

02,04.2025 STP Outlet Colony SCS representative

Parameter	Results	Protocol
pH	7.42	APHA (24TH Edition) 4500 H
Total Suspended Solids	13 Mg/L	APHA (24TH Edition) 2540 D
Oil & Grease	< 5.0 Mg/L	APHA (24TH Edition) 5520 B
Total Residual Chlorine	< 0.1 Mg/L	APHA (24TH Edition) 4500NH <sub>3</sub> B
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24TH Edition) 5220 B
COD	46 Mg/L	IS 3025 (Part 44)
BOD <sub>3Days at 27°C</sub>	8 Mg/L	APHA (24TH Edition) 4500 B
Nitrate as NO <sub>3</sub>	6.6 Mg/L	APHA (24TH Edition) 4500 H

Per pro SCS Enviro Services Pvt. Lte

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

The results refer only to the tested sample and applicable parameters.

JAIPUR

- 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.

# AMBIENT AIR QUALITY MONITORING REPORT (April 24 - Dec 24)

M	1	Parameter	Ammonia	Carbon Monoxide	Lead	Nitrogen dloxide as NO2	Охопе	PM2.5	Sutphur dloxide	PM10	Benzo-alfa- pyrene	Arsenic	Nickel	Benzene	Samule Date	Report No.
House	Total Page 1	Limit as per NAAQS, 2009	400	2000	1	90	100	80	80	100	1	40	20	cr.		
		МоИ	m/m3	hg/m³	µg/m³	µg/m³	µg/m³	ug/m³	μg/m³	hg/m³	ng/m³	ng/m³	ng/m³	ug/m <sup>3</sup>		
	Near	Near Environment Lab Area	54	1031	0.34	25.8	09	39.1	14	6.99	<1	<5.5	2.3	41	19/04/2024	SCS/HZL/AAQ/20240419/08
	Ne	Near SRP Ground Area	36	687	<0.1	11.6	45	32.3	7.2	54.9	₽	<5.5	0.27	D	19/04/2024	SCS/HZUAAQ/20240419/09
April'2024	NearS	Near Solar Power Plant Area	46	802	0.27	12.8	59	35.9	7.6	58.8	Ę,	<5.5	1.33	41	19/04/2024	SCS/HZIJAAQ/20240419/10
	Nea	Near ETP/RO Plant Area	37	802	0.18	15	47	35.9	8.2	9.09	7	<5.5	0.59	t,	19/04/2024	SCS/HZL/AAQ/20240419/11
	Near	Near Environment Lab Area	39	916	0.26	20.5	48	36.5	12.1	62	41	<5.5	1.92	43	30/08/2024	SCS/HZL/AAQ/20240830/02
A. C.	2	Near SRP Ground Area	35	687	<0.1	11.2	40	29 9	6.9	50.6	41	<5.5	0.16	ci.	30/08/2024	SCS/HZL/AAQ/20240830/03
August 2024	NearS	Near Solar Power Plant Area	42	687	0 19	116	51	38.1	7.2	53	۲,	<5.5	1.08	41	30/08/2024	SCS/HZL/AAQ/20240830/04
	Nea	Near ETP/RO Plant Area	36	687	0.15	13.6	44	34.4	7.8	56.5	Q.	<5.5	0.86	₽	30/08/2024	SCS/HZL/AAQ/20240830/05
	Near	Near Environment Lab Area	42	1031	0.32	19.3	20	43	14	72.5	77	<5.5	2.37	₽	27/11/2024	SCS/HZUAAQ/20241127/02
		Near SRP Ground Area	40	803	0.12	12.5	45	34	7.8	56.3	<1	<5.5	0.44	4	27/11/2024	SCS/HZL/AAQ/20241127/03
November 2024		Near Solar Power Plant Area	46	802	0.25	10.5	54	35.3	7	57.9	Q	<5.5	1.49	<1	27/11/2024	SCS/HZU/AAQ/20241127/04
	Nea	Near ETP/RO Plant Area	43	916	0.3	14.1	49	38	8.3	63.2	বে	<5.5	1.8	٥	27/11/2024	SCS/HZU/AQ/20241127/05

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



TC-13363

15O-9001:2015 CERTWIED LABORATORY 1SO-14001:2015 CERTWIED LABORATORY 1SO-45001:2015 CERTWIED LABORATORY

Sample ID No.: SCS/AAQ/20250201/06	Date of Registration: 01.02.2025
Report No. SCS/HZL/AAQ/20250201/06(1/2)	Date of Report: 11.02.2025

#### AMBIENT AIR QUALITY MONITORING REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address of Client

Village: Debari, Udaipur-313024, Rajasthan 01.02.2025

Date of Monitoring Date of start of testing Date of end of testing Duration of sampling

: 03.02.2025 : 11.02.2025 24 Hrs.

Type of Industry

Non-Ferrous Metal Industry

GPS Coordinate of the Location

24°36'14.17"N 73°48'51.16"E

Ambient Temperature

25.2°C

Name of Location

Near Environment Lab Area

Parameter required

PM10, PM2.5, SO2, NOx O3, CO, NH3, Pb, Ni,

Benzene, B(a)P

#### RESHLTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	77.3 $\mu$ g / m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM2.5)	46.1 μg / m <sup>3</sup>	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	$15.2  \mu g  /  m^3$	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	24.6 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	56.0 μg / m³	100 μg / m <sup>3</sup>	IS 5182 (Part 9)
Carbon Monoxide (CO)	1,145 μg/m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	47.0 μg / m <sup>3</sup>	400 μg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	$0.39  \mu g  /  m^3$	$1 \mu g / m^3$	IS 5182 (Part 22)
Nickel (Ni)	2.85 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>	$5 \mu\mathrm{g}/\mathrm{m}^3$	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP) Particulate phase only	< 1.0 ng / m <sup>3</sup>	1 ng/m <sup>3</sup>	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,





- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-9801, 2015 CERTIFIED LABORATORY ISO-14801: 2015 CERTIFIED LABORATORY ISO-45001: 2018 CÉRTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20250201/06	Date of Registration: 01.02.2025
Report No. SCS/HZL/AAQ/20250201/06(2/2)	Date of Report: 11.02.2025

#### 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
Date of start of testing
Date of end of testing

: 01.02.2025 : 03.02.2025 : 11.02.2025

Duration of sampling
Type of Industry

24 Hrs.Non-Ferrous Metal Industry

GPS Coordinate of the : Location

24°36′14.17″N 73°48′51.16″E

Ambient Temperature Name of Location

25.2°C Near Environment Lab Area

Parameter required

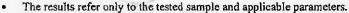
. Ac

ter required : A

RESULTS			
Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	$< 5.5 \text{ ng} / \text{m}^3$	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



- 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.

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



TC-13363

ISO-9601:2015 CERTIFIED LABORATORY ISO-14601:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20250201/14	Date of Registration: 01.02,2025
Report No. SCS/HZL/AAQ/20250201/14(1/2)	Date of Report: 11.02.2025

#### 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 03.02.2025 Date of start of testing 05.02,2025 Date of end of testing : 11.02.2025 Duration of sampling 24 Hrs.

Type of Industry Non-Ferrous Metal Industry

GPS Coordinate of the 24°36'19.44"N Location 73°49'18.41"E

Ambient Temperature 25.3°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 (PM10)	62.0 μg / m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM2.5)	$37.0  \mu g / m^3$	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	8.8 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NOx)	13.0 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	53.0 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 (NH3)	48.0 μg / m <sup>3</sup>	400 μg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	0.35 μg / m <sup>3</sup>	$1  \mu g  /  m^3$	IS 5182 (Part 22)
Nickel (Ni)	$1.29 \text{ ng} / \text{m}^3$	20 ng/m³	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	$< 1.0  \mu g / m^3$	5 μg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP) Particulate phase only	< 1.0 ng/m <sup>3</sup>	l ng/m³	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,

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

Doggeres



- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-9661:2815 CERTHIED LABORATORY ISO-14091:2615 CERTHIED LABORATORY ISO-45991:2018 CERTHIED LABORATORY

County ID N. COOK Constant	
Sample ID No.: SCS/AAQ/20250201/14	Date of Registration: 01.02.2025
Report No. SCS/HZL/AAQ/20250201/14(2/2)	Date of Registration: 01.02.2025
Report No. SCS/1121/AAQ/20250201/14(2/2)	Date of Report: 11.02.2025

#### AMBIENT AIR QUALITY MONITORING REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing

03.02.2025 05.02.2025

Date of end of testing Duration of sampling

: 11.02.2025 : 24 Hrs.

Type of Industry GPS Coordinate of the

Non-Ferrous Metal Industry 24°36'19.44"N

Location Ambient Temperature 73°49'18.41"E

Name of Location

25.3°C : Near ETP / R O Plant Area

Parameter required

RESULTS Observed Value | Limit as per NAAQS Parameter  $< 5.5 \text{ ng} / \text{m}^3$ Arsenic (As)  $6 \text{ ng}/\text{m}^3$ EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,

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

The results refer only to the tested sample and applicable parameters.

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.

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



TC-13363

ISO-0001:2815 CERTERED LABORATORY ISO-14001:2015 CERTERED LABORATORY ISO-45001-2018 CERTERED LABORATORY

Sample ID No.: SCS/AAQ/20250201/07	Date of Registration: 01.02.2025
Report No. SCS/HZL/AAQ/20250201/07(1/2)	Date of Report: 11.02.2025

#### 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 Date of start of testing Date of end of testing

01.02.2025 : 03.02.2025 : 11.02.2025 24 Hrs.

Duration of sampling Type of Industry GPS Coordinate of the

Non-Ferrous Metal Industry

24°36'26.86"N 73°48'50.93"E

Location Ambient Temperature

25.5°C

Name of Location Parameter required Near SRP Ground Area 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



#### pretit te

Parameter	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>10</sub> )	62.5 μg/m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Particulate Matter (PM <sub>2.5</sub> )	37.8 μg / m <sup>3</sup>	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Sulphur Dioxide (SO <sub>2</sub> )	$8.1  \mu g / m^3$	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	13.0 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	49.0 $\mu$ g / m <sup>3</sup>	$100  \mu g  /  m^3$	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> )	43.0 μg / m <sup>3</sup>	400 μg / m <sup>3</sup>	IS 5182 (Part 25)
Lead (Pb)	0.16 μg / m <sup>3</sup>	$1 \mu g / m^3$	IS 5182 (Part 22)
Nickel (Ni)	0.67 ng/m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	$< 1.0  \mu g  /  m^3$	5 μg / m <sup>3</sup>	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP) Particulate phase only	< 1.0 ng/m <sup>3</sup>	1 ng / m <sup>3</sup>	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-6601:2915 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20250201/07	Date of Registration: 01.02,2025
Report No. SCS/HZL/AAQ/20250201/07(2/2)	
The state of the s	Date of Report: 11.02.2025

### AMBIENT AIR QUALITY MONITORING REPORT

Protocol

EPA/625/R-96/010a US EPA IO 3.4

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address of Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Monitoring Date of start of testing Date of end of testing

01.02.2025 : 03.02.2025 11.02.2025

Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry

GPS Coordinate of the Location

24°36'26.86"N 73°48'50.93\*E

Ambient Temperature

25.5°C

Name of Location

Near SRP Ground Area

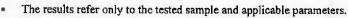
Parameter required RESULTS

Parameter	Observed Value	Limit as per NAAQS
Arsenic (As)	$\leq 5.5 \text{ ng}/\text{m}^3$	6 ng / m <sup>3</sup>

Per pro SCS Enviro Services Pvt. Ltd.,

Jeerel Dr. D. S. Parihar (Technical Manager)

Authorised Signatory



- 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.

Mo.: 9414080354, 9166770354, Fax: 0141-2523723, E-mail- sesenviroservices/a gmail.com, dsparihar/a sesenviro.in, Website: www.sesenviro.in

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/20250201/08	Date of Registration: 01.02.2025
Report No. SCS/HZL/AAQ/20250201/08(1/2)	Date of Report: 11.02.2025

### 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 01.02.2025 Date of start of testing 03.02.2025 Date of end of testing 11.02.2025 Duration of sampling 24 Hrs.

Type of Industry Non-Ferrous Metal Industry

GPS Coordinate of the 24°36'07.66"N Location 73°49'06.12"E

Ambient Temperature 25.8°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> )	60.3 μg / m <sup>3</sup>	$100  \mu g  /  m^3$	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> )	7.4 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Oxide Of Nitrogen (NO <sub>x</sub> )	$11.8  \mu g  /  m^3$	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Ozone (O <sub>3</sub> )	58.0 μg / m <sup>3</sup>	$100  \mu g  /  m^3$	IS 5182 (Part 9)
Carbon Monoxide (CO)	916 μg/m <sup>3</sup>	$2,000  \mu g  /  m^3$	SCS/SOP/AAQ/013
Ammonia (NH <sub>3</sub> )	$48.0  \mu g  /  m^3$	$400  \mu g  /  m^3$	IS 5182 (Part 25)
Lead (Pb)	$0.30  \mu g  /  m^3$	$1 \mu g / m^3$	IS 5182 (Part 22)
Arsenic (As)	$< 1.0 \text{ ng} / \text{m}^3$	6 ng / m <sup>3</sup>	IS 5182 (Part 22)
Nickel (Ni)	0.87 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzene (C <sub>6</sub> H <sub>6</sub> )	$< 1.0  \mu g  /  m^3$	$5 \mu\mathrm{g}/\mathrm{m}^3$	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP) Particulate phase only	$< 1.0 \text{ ng} / \text{m}^3$	1 ng / m <sup>3</sup>	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.



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

ISO-9081:2015 CERTIFIED LABORATORY ISO-14981:2815 CERTIFIED LABORATORY ISO-45981:2818 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20250201/08	Date of Registration: 01.02.2025
Report No. SCS/HZL/AAQ/20250201/08(2/2)	Date of Report: 11.02.2025

### 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 Date of start of testing Date of end of testing

01.02.2025 : 03.02.2025 : 11.02,2025

Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry

GPS Coordinate of the Location

24°36'07.66"N 73°49'06.12"E

Ambient Temperature

25.8°C

Name of Location

: Near Solar Power Plant Area

Parameter required

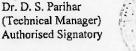
As

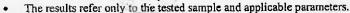
RESULTS

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

Per pro SCS Enviro Services Pvt. Ltd.,

Jeogous Dr. D. S. Parihar (Technical Manager)





- 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.

				Stac	Stack entitission from April 24 - Dec 24	67.3			
2		Azex Furnace	1000		Zinc Metting and Slag Grinding	1		Induction Stack	
HOME	Date	Parameter	кероп мо.	Date	Parameter	REPORT NO.	Date	Parameter	Report No.
		Md			PM			Md	
Norms		50mg/Nm3			50mg/Nm3			50mg/Nm3	
Apr-24	19/04/2024	28.1	SCS/HZL/SE/20240419/16	20/04/2024	29.8	SCS/HZL/SE/20240419/17	20/04/2024	23	SCS/HZL/SE/20240419/18
May-24	23/05/2024	25.6	SCS/HZL/SE/20240523/07	23/05/2024	27.6	SCS/HZL/SE/20240523/08	23/05/2024	24.2	SCS/HZL/SE/20240523/09
Jun-24	22/06/2024	28.3	SCS/HZL/SE/20240622/29	22/06/2024	23.2	SCS/HZL/SE/20240622/30	22/06/2024	28	SCS/HZL/SE/20240622/31
Jul-24	30/07/2024	23.8	SCS/HZL/SE/20240730/10	31/07/2024	20.9	SCS/HZL/SE/20240730/11	30/07/2024	27.4	SCS/HZL/SE/20240730/12
Aug-24	30/08/2024	23	SCS/HZL/SE/20240830/10	31/08/2024	25.5	SCS/HZL/SE/20240830/11	31/08/2024	20.7	SCS/HZL/SE/20240830/12
Sep-24	17/09/2024	26.4	SCS/HZUSE/20240917/14	18/09/2024	28.2	SCS/HZL/SE/20240917/15	17/09/2024	23.3	SCS/HZL/SE/20240917/16
Oct-24	09/10/2024	23.2	SCS/HZL/SE/20241008/37	08/10/2024	24	SCS/HZL/SE/20241008/38	08/10/2024	25.7	SCS/HZL/SE/20241008/39
Nov-24	27/11/2024	26.3	SCS/HZL/SE/20241127/10	28/11/2024	28.7	SCS/HZL/SE/20241127/11	28/11/2024	24	SCS/HZL/SE/20241127/12
Dec-24	17/12/2024	27	SCS/HZL/SE/20241217/18	17/12/2024	24.5	SCS/HZL/SE/20241217/19	17/12/2024	26.4	SCS/HZL/SE/20241217/20

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



TC-13363

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

Sample ID No.: SCS/SE/20250115/18	Date of Registration: 15.01.2025
Report No. SCS/HZL/SE/20250115/18	Date of Report: 25.01.2025

### 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 15.01.2025 Date of start of testing : 17.01.2025 Date of end of testing 25.01.2025 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)	19.4 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pyt. Ltd.,

Joseph Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

ISO-9991:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250115/19	Date of Registration: 15.01.2025
Report No. SCS/HZL/SE/20250115/19	Date of Report: 25.01.2025

### 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 15.01.2025 Date of start of testing 17.01.2025 Date of end of testing 25.01.2025 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)	26.8 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

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

The results refer only to the tested sample and applicable parameters.

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.

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



ISO-9881:2018 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-48001.2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250115/20	Date of Registration: 15.01.2025
Report No. SCS/HZL/SE/20250115/20	Date of Report: 25,01.2025

### 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 15.01.2025 Date of start of testing 17.01.2025 Date of end of testing 25.01.2025 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)	28.2 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

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

Decel

The results refer only to the tested sample and applicable parameters.

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.

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



ISO-6661:2815 CERTIFIED LABORATORY ISO-14601:2015 CERTIFIED LABORATORY ISO-45001:2818 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250201/20	Date of Registration: 01.02.2025
Report No. SCS/HZL/SE/20250201/20	Date of Report: 11.02.2025

### 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 03.02.2025 04.02.2025 Date of start of testing Date of end of testing 11.02.2025 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)	27.5 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

ISO-9881:2815 CERTIFIED LABORATORY ISO-14881:2815 CERTIFIED LABORATORY ISO-45881:2818 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250201/21	Date of Registration: 01.02.2025
Report No. SCS/HZL/SE/20250201/21	Date of Report: 11.02.2025
	Date 01 Kep016. 11.02.2023

### 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 03.02.2025 Date of start of testing : 04.02.2025 Date of end of testing : 11.02.2025 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)	29.7 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

Decens

- The results refer only to the tested sample and applicable parameters.
- 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.

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



ISO-9881:2015 CERT#IED LABORATORY ISO-14881:2015 CERT#IED LABORATORY ISO-45881:2018 CERT#IED LABORATORY

Sample ID No.: SCS/SE/20250201/22	Date of Registration: 01.02.2025
Report No. SCS/HZL/SE/20250201/22	Date of Report: 11.02.2025

### STACK MONITORING REPORT

Name of Client Address of Client M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan

Date of Monitoring Date of start of testing Date of end of testing

03.02.2025 04.02.2025 11.02.2025

Duration of sampling Type of Industry

30 Minutes 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)	22.9 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
		10 1 1200 (1 111 1)

Per pro SCS Enviro Services Pvt. Ltd

Dr. D. S. Parihar (Technical Manager)

**Authorised Signatory** 

- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

ISO-9091:2016 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250324/21	Date of Registration: 24.03.2025
Report No. SCS/HZL/SE/20250324/21	Date of Report: 02.04,2025

### STACK MONITORING REPORT

Name of Client Address of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 25.03.2025

Date of start of testing Date of end of testing Duration of sampling

26.03.2025 : 02.04.2025 30 Minutes

Type of Industry

Non-Ferrous Metal Industry

Weather conditions

Sunny Name of Location

Parameter required

Stack Attached to Azex Furnace

: PM

RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	29.3 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

Deleur Dr. B. S. Parihar

(Technical Manager) Authorised Signatory

The results refer only to the tested sample and applicable parameters.

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.

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



TC-13363

ISO-9001;2815 CERTIFIED LABORATORY ISO-14001;2015 CERTIFIED LABORATORY ISO-45001;2818 CERTIFIED LABORATORY

Date of Registration: 24.03.2025
Date of Report: 02.04.2025

### STACK MONITORING REPORT

Name of Client Address of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan

Date of Monitoring Date of start of testing Date of end of testing

25.03.2025 26.03.2025 02.04.2025

Duration of sampling Type of Industry

30 Minutes : Non-Ferrous Metal Industry

Weather conditions

Sunny Name of Location

Parameter required

Stack Attached to Zinc Melting and Slag Grinding

: PM

RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	28.4 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

(Technical Manager) Authorised Signatory



- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

ISD-9081:2016 CERTIFIED LABORATORY ISO-14991:2015 CERTIFIED LABORATORY ISO-45991:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250324/23	Date of Registration: 24.03.2025
Report No. SCS/HZL/SE/20250324/23	Date of Report: 02.04.2025

### STACK MONITORING REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 25.03.2025

Date of start of testing Date of end of testing Duration of sampling

26.03.2025 02.04.2025 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)	25.0 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pvt. Ltd.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.

				Stack emission from April 24 - Dec 24	il 24 -Dec 24			
		Roaste	ter II			Roaster III	r III	
	2000	Parame	eter		Joseph C	Parameter	ster	
Month	sample	Acid Mist mg/Nm3	SO2 mg/Nm 3	Report No.	sample	Acid Mist mg/Nm3	SO2 mg/Nm 3	Report No.
	Norms	950	50		Norms	950	50	
Apr-24	19/04/2024	28.5	193.7	SCS/HZL/SE/20240419/20	19/04/2024	25.8	162	SCS/HZL/SE/20240419/19
May-24	24/05/2024	28.1	180.6	SCS/HZL/SE/20240523/10 24/05/2024	24/05/2024	29	171.4	SCS/HZL/SE/20240523/11
Jun-24	22/06/2024	25.5	165.9	SCS/HZL/SE/20240622/32 22/06/2024	22/06/2024	28.4	188.9	SCS/HZL/SE/20240622/33
Jul-24	30/07/2024	22	155.4	SCS/HZL/SE/20240730/13 31/07/2024	31/07/2024	26.9	174.6	SCS/HZL/SE/20240730/14
Aug-24	31/08/2024	27	184.4	SCS/HZL/SE/20240830/14	31/08/2024	28.9	193.7	SCS/HZL/SE/20240830/13
Sep-24	17/09/2024	23	192	SCS/HZL/SE/20240917/18 18/09/2024	18/09/2024	24.5	182	SCS/HZL/SE/20240917/17
Oct-24	09/10/2024	28.6	197.1	SCS/HZL/SE/20241008/41 08/10/2024	08/10/2024	27	194.5	SCS/HZL/SE/20241008/40
Nov-24	28/11/2024	24.6	152	SCS/HZL/SE/20241127/14 28/11/2024	28/11/2024	29.5	167.4	SCS/HZL/SE/20241127/13
Dec-24	Dec-24 17/12/2024	28.3	194.3	SCS/HZL/SE/20241217/21 18/12/2024	18/12/2024	25.4	188.5	SCS/HZL/SE/20241217/22

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



TC-13363

ISO-8901.2018 CERTIFIED LABORATORY ISO-14901:2015 CERTIFIED LABORATORY ISO-45081:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250115/22	Date of Registration: 15.01.2025
Report No. SCS/HZL/SE/20250115/22	Date of Report: 25.01.2025

### 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 16.01.2025 Date of start of testing 17.01.2025 Date of end of testing 25.01,2025 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	26.1 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

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

The results refer only to the tested sample and applicable parameters.

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.

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



TC-13363

ISO-9681:2815 CERTIFIED LABORATORY ISO-14981:2815 CERTIFIED LABORATORY ISO-45991:2818 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250115/21	Date of Registration: 15.01.2025
Report No. SCS/HZL/SE/20250115/21	Date of Report: 25.01.2025

### 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 15.01.2025 Date of start of testing 17.01.2025 Date of end of testing 25.01.2025 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>	174.4 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	25.9 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

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

Authorised Signatory

The results refer only to the tested sample and applicable parameters.

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.

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



TC-13363

ISO-9801:2815 CERTIFIED LABORATORY ISO-14881:2815 CERTIFIED LABORATORY ISO-45891:2818 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250201/24	Date of Registration: 01.02.2025
Report No. SCS/HZL/SE/20250201/24	Date of Report: 11.02.2025

### STACK MONITORING REPORT

Name of Client Address of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan 01.02.2025

Date of Monitoring Date of start of testing Date of end of testing Duration of sampling

03.02.2025 : 11.02.2025 : 30 Minutes

Type of Industry

Non-Ferrous Metal Industry

Weather conditions Name of Location

Sunny 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>	175.3 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	26.1 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)



- The results refer only to the tested sample and applicable parameters.
- 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.

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/SE/20250201/23	Date of Registration: 01.02.2025
Report No. SCS/HZL/SE/20250201/23	Date of Report: 11.02.2025

### 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 Date of start of testing

03.02.2025 04.02.2025 11.02.2025

Date of end of testing Duration of sampling

30 Minutes

Type of Industry

Non-Ferrous Metal Industry

Weather conditions

Sunny

Name of Location Parameter required

Stack Attached to Roaster III SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	184.6 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.,

Jeoceal Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

180-9081:2815 CERTIFIED LABORATORY 180-14881:2815 CERTIFIED LABORATORY ISD-46881:2815 CERTIFIED LABORATORY

Sample 1D No.: SCS/SE/20250324/24	Date of Registration: 24.03.2025
Report No. SCS/HZL/SE/20250324/24	Date of Report: 02.04.2025

### 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 Date of start of testing

25.03.2025 : 26.03.2025 02.04.2025

Date of end of testing Duration of sampling Type of Industry

30 Minutes Non-Ferrous Metal Industry

Weather conditions

Sunny

Name of Location Parameter required

Stack Attached to Roaster II SO<sub>2</sub> & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO2	193.0 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	28.7 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

JAIPUR Authorised Signatory

- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

ISC-9001;2015 CERTHIED LABORATORY ISC-14501;2015 CERTHIED LABORATORY ISC-45001;2016 CERTHIED LABORATORY

Carrie ID N. GCCGCCCCCCC	
Sample ID No.: SCS/SE/20250324/26	Date of Registration: 24.03.2025
Depart No. CCCRITI (CE (2020224)	Date of Registration, 24.03,2023
Report No. SCS/HZL/SE/20250324/26	Date of Report: 02.04.2025

### 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 Date of start of testing

29.03.2025 : 31.03.2025 02.04.2025

Date of end of testing Duration of sampling

30 Minutes

Type of Industry Weather conditions Non-Ferrous Metal Industry

Name of Location Parameter required

Stack Attached to Roaster III SO2 & Acid Mist Sulphuric Acid

Parameter	Observed Value	Protocol
Sulphur Di Oxide as SO <sub>2</sub>	172.0 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Acid Mist Sulphuric Acid	29.8 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

- The results refer only to the tested sample and applicable parameters.
- 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.

		Stack emission from April 24 -Dec 24	ım April 24 -Dec	24
		MCTP	۵	
Month	Date of	Parameter	eter	1
	sample	PM	Lead (Pb)	report No.
		mg/Nm3	mg/Nm3	
	Norms	50	10	
Apr-24	19/04/2024	16.8	0.14	SCS/HZL/SE/20240419/15
May-24	24/05/2024	20.3	0.1	SCS/HZL/SE/20240523/06
Jun-24	22/06/2024	24	0.12	SCS/HZL/SE/20240622/28
Jul-24	30/07/2024	26.5	0.16	SCS/HZL/SE/20240730/09
Aug-24	30/08/2024	18.5	0.12	SCS/HZL/SE/20240830/09
Sep-24	18/09/2024	16.1	0.17	SCS/HZL/SE/20240917/13
Oct-24	08/10/2024	18.7	0.21	SCS/HZL/SE/20241008/36
Nov-24	27/11/2024	16.2	0.13	SCS/HZL/SE/20241127/09
Dec-24	17/12/2024	18	0.14	SCS/HZL/SE/20241217/17

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



TC-13363

ISO-9001:2018 CERTIFIED LABORATORY ISO-14901:2016 CERTIFIED LABORATORY ISO-46901:2016 CERTIFIED LABORATORY

Sample ID No.; SCS/SE/20250115/17	Date of Registration; 15.01.2025
Report No. SCS/HZL/SE/20250115/17	Date of Report: 25.01.2025

### 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 15.01.2025 Date of start of testing : 17.01.2025 Date of end of testing : 25.01.2025 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)	20.5 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

- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

ISO-9801:2916 CERTIFIED LABORATORY ISO-11801:2815 CERTIFIED LABORATORY ISO-45861-2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250201/19	Date of Registration: 01.02.2025
Report No. SCS/HZL/SE/20250201/19	Date of Report: 11.02.2025

### 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 01.02.2025 Date of start of testing 03.02.2025 Date of end of testing : 11.02.2025 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)	18.6 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Lead as Pb	0.11 mg / Nm <sup>3</sup>	USEPA Method 29

Per pro SCS Enviro Services Pvt. Ltd.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

ISO-9661:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-46001:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250324/25	Date of Registration: 24.03.2025
Report No. SCS/HZL/SE/20250324/25	
	Date of Report: 02.04,2025

### 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 24.03.2025 Date of start of testing 26.03.2025 Date of end of testing 02.04.2025 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)	16.0 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Lead as Pb	0.15 mg / Nm <sup>3</sup>	USEPA Method 29

Per pro SCS Enviro Services Pvt. Ltd.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.

						Stack emission from April 24 -Dec 24	124-Dec 24					
			DG Stac	DG Stack / CPP-I					DG Stack / CPP-II	/ CPP-II		
			Para	Parameter					Parameter	neter		
Month	Date of sample	PM mg/Nm3	NOx ( as NO2) mg/Nm3	Carbon Monoxide (CO) mg/Nm3	NMHC (as C) mg/Nm3	Report No.	Date of sample	PM mg/Nm3	NOx ( as NO2) mg/Nm3	Carbon Monoxide (CO)	NMHC (as C) mg/Nm3	Report No.
	Norms	75	710	150	100		Norms	75	710	150	100	
Apr-24	Apr-24 19/04/2024	50	390	116.3	55.6	SCS/HZL/SE/20240419/14 19/04/2024	19/04/2024	46.7	360	98.3	44.2	SCS/HZL/SE/20240419/13
May-24	23/05/2024	49.5	350	108.4	59.9	SCS/HZL/SE/20240523/05 23/05/2024	23/05/2024	48.2	380	83.5	49.7	SCS/HZL/SE/20240523/04
Jun-24	22/06/2024	47.2	440	95.2	65.5	SCS/HZL/SE/20240622/27   22/06/2024	22/06/2024	48.2	410	74.4	42.5	SCS/HZL/SE/20240622/26
Aug-24	Aug-24 30/08/2024	49.4	425	123	72.4	SCS/HZL/SE/20240830/08 30/08/2024	30/08/2024	48.6	390	110.2	61.5	SCS/HZL/SE/20240830/07
Nov-24	Nov-24 27/11/2024	47.8	440	115	77.6	SCS/HZU/SE/20241127/08 27/11/2024	27/11/2024	45	470	120	70.8	SCS/HZL/SE/20241127/07



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



TC-13363

180-8001;2015 CERTIFIED LABORATORY 180-14061;2615 CERTIFIED LABORATORY 180-45061;2818 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250115/39	Date of Registration: 15.01.2025
Deposit No. CCCHTTI /CE /000F011F100	
Report No. SCS/HZL/SE/20250115/39	Date of Report: 25.01.2025

### STACK MONITORING REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address of Client

Village: Debari, Udaipur-313024, Rajasthan : 16.01.2025

Date of Monitoring Date of start of testing Date of end of testing

: 17.01.2025 25.01.2025

Duration of sampling

30 Minutes : Non-Ferrous Metal Industry

Type of Industry Weather conditions

Sunny

Name of Location Parameter required

: DG Stack / CPP-I : PM, NO<sub>N</sub>, CO & NMHC

RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	46.1 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
NOx (as NO <sub>2</sub> )*	410.0 mg / Nm <sup>3</sup>	IS 11255 (Part 7)
Carbon Monoxide (CO)	94.2 mg / Nm <sup>3</sup>	SCS/SOP/SE/26
NMHC (as C)	60.8 mg / Nm <sup>3</sup>	SCS/SOP/SE/31

Per pro SCS Enviro Services Pvt. Ltd..

(Technical Manager)

The results refer only to the tested sample and applicable parameters.

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.

**JAIPUR** 

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



TC-13363

ISO-9081;2915 CERTIFIED LABORATORY ISO-14061;2016 CERTIFIED LABORATORY ISO-45001;2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250115/38	Date of Registration: 15.01.2025
Report No. SCS/HZL/SE/20250115/38	Date of Report: 25.01.2025
	Date of Repor

### STACK MONITORING REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan

Address of Client Date of Monitoring Date of start of testing

16.01.2025 17.01.2025 : 25.01.2025

Date of end of testing Duration of sampling Type of Industry

30 Minutes Non-Ferrous Metal Industry

: Sunny

Weather conditions Name of Location Parameter required RESULTS

: DG Stack / CPP-II : PM. NOx, CO & NMHC

Parameter	Observed Value	Protocol
Particulate Matter (PM)	42.0 mg / Nm³	IS 11255 (Part 1)
NOx (as NO <sub>2</sub> )	380.0 mg / Nm <sup>3</sup>	IS 11255 (Part 7)
Carbon Monoxide (CO)	85.6 mg / Nm <sup>3</sup>	SCS/SOP/SE/26
NMHC (as C)	53.3 mg/Nm <sup>3</sup>	SCS/SOP/SE/31

Per pro SCS Enviro Services Pvt. Ltd.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

ISO-9091:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2010 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250324/20	Date of Registration: 24.03.2025
Report No. SCS/HZL/SE/20250324/20	Date of Report: 02.04,2025

### 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 24.03.2025 Date of start of testing 26.03.2025 Date of end of testing 02.04.2025 Duration of sampling 30 Minutes

Type of Industry Non-Ferrous Metal Industry

Weather conditions Sunny

Name of Location DG Stack / CPP-I Parameter required PM, NOx, CO & NMHC RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	46.9 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
NOx (as NO <sub>2</sub> )*	583.0 mg / Nm <sup>3</sup>	IS 11255 (Part 7)
Carbon Monoxide (CO)	118.2 mg / Nm <sup>3</sup>	SCS/SOP/SE/26
NMHC (as C)	73.1 mg / Nm <sup>3</sup>	SCS/SOP/SE/31

Per pro SCS Enviro Services Pvt. Ltd.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.

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



TC-13363

ISO-9001:2915 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20250324/19	Date of Registration: 24,03,2025
Report No. SCS/HZL/SE/20250324/19	Date of Report: 02.04.2025

### STACK MONITORING REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 24.03.2025

Date of start of testing Date of end of testing Duration of sampling

26.03.2025 02.04.2025 30 Minutes

Type of Industry Non-Ferrous Metal Industry Weather conditions

Sunny Name of Location DG Stack / CPP-II Parameter required : PM, NO<sub>x</sub>, CO & NMHC

RESULTS

Parameter	Observed Value	Protocol
Particulate Matter (PM)	45.5 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
NOx (as NO <sub>2</sub> )	562.3 mg / Nm <sup>3</sup>	IS 11255 (Part 7)
Carbon Monoxide (CO)	114.6 mg / Nm <sup>3</sup>	SCS/SOP/SE/26
NMHC (as C)	66.8 mg / Nm <sup>3</sup>	SCS/SOP/SE/31

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

The results refer only to the tested sample and applicable parameters.

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.

JAIPUR





DZS/ENV/RPCB/A08/HW/2023/24

Date: 17.06.2024

To,
The Member Secretary,
Rajasthan State Pollution Control Board,
4-Institutional Area, Jhalana Dungri,
Jaipur (Raj.) – 302004.

Sub: Annual Return (Form-4) under The Hazardous and other Wastes

(Management and Transboundary Movement) Rules, 2016.

Ref.: Authorization vide No. RPCB/HWM/2022-2023/HDF/HSW/88 dtd 17/03/2023

Dear Sir,

Please find enclosed herewith annual return regarding disposal of Hazardous waste under The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for the period of FY 2023-24

ofC

Thanking you.

Yours Sincerely,

Manas Tyagi SBU Director,

Zinc Smelter Debari

CC: Regional Officer,

Rajasthan State Pollution Control Board,

F-470, Near UCCI Building,

Mewar Industrial Area, Udaipur (Raj.) - 313001.

### FORM 4

## [(See rules 6(5), 13(8), 16(6) and 20(2)]

Name and address of facility:	Hindustan Zinc Limited, Zinc Smelter Debari, Udaipur, Rajasthan – 313024
2. Authorisation No. and date of issue:	Authorization vide No RPCB/HWM/2022-2023/HDF/HSW/88 dtd 17/03/2023
<ol> <li>Name of the authorised person and full address with telephone, fax number and e-mail:</li> </ol>	Manas Tyagi Site Director Zinc Smelter Debari, Udaipur – 313024 Tel 0294-2658028, Fax - 0294-2658147 E-mail: Manas.Taygi@vedanta.co.in
<ol> <li>Production during the year (product wise), wherever applicable:</li> </ol>	Zn Ingot: 81356.13 MT Sulphuric Acid: 274786 MT

## Part A. To be filled by hazardous waste generators

## 1. Total Quantity of Waste Generated Category Wise:

	Category Wise Waste Generated FY:23-24					
Sr.No	Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Generated (MT)		
1	Spent catalyst*	17.2	CTDF	20		
2	Empty barrels/container s contaminated with hazardous. chemicals/wastes	33.1	CTDF	0.0		
3	Chemical sludge from waste water treatment	35.3	CTDF	12327.28MT(Which will be 4565.6 dry MT)		
4	Concentration or evaporation residues	37.3	CTDF	703.34		
5	Used or spent oil	5.1	Sales to registered Recycler	40.62		
6	Anode Mud	7.2	Sales to registered Recycler/Reuse	1414		
7	Cooler cake	7.2	CTDF	654		
8	Process residues	7.2	CTDF	33.2		
9	Process residues	7.2	Sales to registered recycler	169.7		
10	Purification Cake	7.2	Sales to registered recyclers	1270.62		
11	Jarosite	ow	Co processing in Cement Kiln	69213.93		
12	Discarded Asbestos	15.2	CTDF	67.9		

## 2. Total Quantity of Waste Disposed Category Wise:

### FORM 4

## {(See rules 6(5), 13(8), 16(6) and 20(2)]

## (I) To Disposal Facility:

Category Wise Waste Disposed FY:23-24					
Sr.No	Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Disposed (MT)	
1.	Spent catalyst*	17.2	CTDF	20	
2.	Empty barrels/container s contaminated with hazardous. chemicals/wastes	33.1	CTDF	0	
3.	Chemical sludge from waste water treatment	35.3	CTDF	12327.28MT(Which will be 4565.6 dry MT)	
4.	Concentration or evaporation residues	37.3	CTDF	703.34	
5.	Cooler cake	7.2	CTDF	654	
6.	Process residues	7.2	CTDF	33.2	
7.	Discarded Asbestos	15.2	CTDF	67.9	

## (II) To Recycler or Co-processors or Pre-processor:

	Category Wise Waste Recycling FY:23-24					
Sr.No	Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Recycle (MT)		
1.	Used or spent oil	5.1	Sales to registered Recycler	40.62		
2.	Anode Mud	7.2	Sales to registered Recycler	555.88		
3.	Process residues	7.2	· Sales to registered recycler	169.7		
4.	Purification Cake	7.2	Sales to registered recyclers	1270.62		
5.	OW Jarosite	III/ OW	Co-processors	139233.56 MT which will be 82732.76 dry MT)		

## (III) Others:

3. Quantity utilised in-house, If any:-

FORM 4

[(See rules 6(5), 13(8), 16(6) and 20(2)]

	Category Wise Waste Utilised in House (2023-2024)					
Sr.No	Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Disposed (MT)		
1.	Anode Mud	7.2	REUSE	858.58		

## 4. Quantity in storage at the end of the year: NA

	Category Wise Waste Stored (Stock Till 31th March, 2024)					
Sr.No	Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Disposed (MT)		
1	NA	NA	NA	0		

Part B. To be filled by Treatment, storage and disposal facility operators: NA

Part C. To be filled by recyclers or co-processors or other users: NA

Date:17.06.2024

Signature of the Occupier Or Operator of the Disposal Facility





DZS/ENV/RPCB/A08/HW/2024-2025/

Date: 23.04.2025

To,

The Member Secretary, Rajasthan State Pollution Control Board, 4-Institutional Area, Jhalana Dungri, Jaipur (Raj.) - 302004.

Sub:

Annual Return (Form-4) under The Hazardous and other Wastes

(Management and Transboundary Movement) Rules, 2016.

Ref.: Authorization vide No. RPCB/HWM/2022-2023/HDF/HSW/88 dtd 17/03/2023

Dear Sir.

Please find enclosed herewith Annual return regarding Disposal of Hazardous waste under The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for the period of FY 2024-25

Thanking you.

Yours Sincerely,

(SBU Director,

Zinc Smelter Debari)

Regional Officer, CC:

Rajasthan State Pollution Control Board,

F-470, Near UCCI Building,

Mewar Industrial Area, Udaipur (Raj.) - 313001.



OIC

## FORM-4

[See rules 6(5), 13(8), 16(6) and 20(2)]

## FORM FOR FILLING ANNUAL RETURNS

[ To be submitted to the State Pollution Control Board by 30th Day of June of every year for the

1.	Name and Address of Facility	Hindustan Zinc Limited,   Zinc Smelter Debari,   Udaipur, Rajasthan – 313024		
2.	Authorization No. and Date of issue	Authorization vide No. RPCB/HWM/2022-2023/HDF/HSW/98 dtd 17/03/2023		
3.	Name of the authorized person and full address with telephone, fax number and e-mail	Vivek Yadav Site Director Zinc Smelter Debari, Udaipur – 313024 Tel 0294-2658028, Fax - 0294-2658147 E-mail: Vivek.Yadav@vedanta.co.in		
4.	Production during the year (Product wise), wherever applicable	Zn Ingot: 87472.7 MT Sulphuric Acid: 320357 MT		

	Part A. To be filled by Hazardous	waste Generators
1.	Total quantity of waste generated category wise	Please ref. Annexure -1
2.	Quantity dispatched	Please ref. Annexure -1
	(i) To disposal facility	Please ref. Annexure -1
	(ii) To recycler or co-processors or pre-processors	Please ref. Annexure -1
	(iii) Others	Please ref. Annexure -1
3.	Quantity utilized in-house, if any	Please ref. Annexure -1
4.	Quantity in storage at the end of the year	Please ref. Annexure -1

Part B. 10 De filled by Treatment, Storage	and disposal facility operators
Total quantity received	NA
Quantity in stock at the beginning of the year	NA NA
Quantity treated	NA
Quantity disposed in landfill as such and after	Nil
treatment	(Being dispatch to Cement industries)
Quantity incinerated (if applicable)	NA NA
Quantity processed other than specified above	NA
Quantity in storage at the end of the year	NA NA
	Total quantity received Quantity in stock at the beginning of the year Quantity treated Quantity disposed in landfill as such and after treatment Quantity incinerated (if applicable) Quantity processed other than specified above

Part C. To be filled by recyclers or co-processors or other users			
1.	Total quantity received during the year	NA	
	(i) Domestic sources	NA	
	(ii) Imported (if applicable)	NA	
2.	Quantity in stock at the beginning of the year	NA	
3.	Quantity recycled or co-processed or used	NA	
4.	Quantity of products dispatched (wherever applicable)	NA	
5.	Quantity of waste generated	NA	
6.	Quantity of waste disposed	NA	
7.	Quantity re-exported (wherever applicable)	NA	
8.	Quantity in storage at the end of the year	NA	

Signature of the Occupier

Date: 23.04.2025

Place: Zinc Smelter Debari, Udaipur

Name: Vivek Yadav Designation: SBU Director

## FORM 4

## [(See rules 6(5), 13(8), 16(6) and 20(2)]

1.	Name and address of facility:	Hindustan Zinc Limited, Zinc Smelter Debari, Udaipur, Rajasthan – 313024	
2.	Authorisation No. and date of Issue:	Authorization vide No RPCB/HWM/2022-2023/HDF/HSW/88 dtd 17/03/2023	
3.	Name of the authorised person and full address with telephone, fax number and e-mail:	Vivek Yadav Site Director Zinc Smelter Debari, Udaipur – 313024 Tel 0294-2658028, Fax - 0294-2658147 E-mail: Vivek.Yadav@vedanta.co.in	
4.	Production during the year (product wise), wherever applicable:	Zn Ingot: 87472.70 MT Sulphuric Acid: 320357 MT	

## Part A. To be filled by hazardous waste generators

## 1. Total Quantity of Waste Generated Category Wise:

	Category Wise Waste Generated FY:24-25					
Sr.No	Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Generated (MT)		
1	Spent catalyst*	17.2	CTDF	18.43		
2	Chemical sludge from waste water treatment	35.3	CTDF	11220.72 MT		
3	Concentration or evaporation residues	37.3	CTDF	443.7		
4	Used or spent oil	5.1	Sales to registered Recycler	23.97		
5	Anode Mud	7.2	Sales to registered Recycler/Reuse	1038.9		
6	Cooler cake	7.2	CTDF	963		
7	Process residues	7.2	CTDF	547.4		
8	Purification Cake	7.2	Sales to registered recyclers	1560		
9	Jarosite	ow	Co processing in Cement Kiln	69048		
10	Discarded Asbestos	15.2	CTDF	50		

# FORM 4

# [(See rules 6(5), 13(8), 16(6) and 20(2)]

# 2. Total Quantity of Waste Disposed Category Wise:

# (I) To Disposal Facility:

Category Wise Waste Disposed FY:24-25						
Sr.No	Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Disposed (MT)		
1.	Spent catalyst*	17.2	CTDF	18.43		
2.	Chemical sludge from waste water treatment	35.3	CTDF	11220.72MT		
3.	Concentration or evaporation residues	37.3	CTDF	443.7		
4.	Cooler cake	7.2	CTDF	967.2		
5.	Process residues	7.2	CTDF	547.4		
6.	Discarded Asbestos	15.2	CTDF	50		

# (II) To Recycler or Co-processors or Pre-processor:

Category Wise Waste Recycling FY:24-25						
Sr.No	Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Recycle (MT)		
1.	Used or spent oil	5.1	Sales to registered Recycler	21.94		
2.	Anode Mud	7.2	Sales to registered Recycler	301.4		
3.	Purification Cake	7,2	Sales to registered recyclers	1574.72		
4.	OW Jarosite	III/ OW	Co-processors	131193.42MT which will be 78579.41 dry MT)		

# FORM 4

[(See rules 6(5), 13(8), 16(6) and 20(2)]

# (III) Others:

# 3. Quantity utilised in-house, If any:-

	Category Wise Waste	Utilised in H	louse (2024-202	5)
Sr.No	Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Disposed (MT)
1.	Anode Mud	7.2	REUSE	737.5

# 4. Quantity in storage at the end of the year: NA

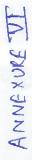
		<b>Category Wise Waste Stor</b>	ed (Stock 1	ill 31th March,2	(025)
Sr,No		Type of Hazardous Waste	Waste Category	Hazardous Waste Disposal Mode	Total Quantity Waste Disposed (MT)
1	NA		NA	NA	0

Part B. To be filled by Treatment, storage and disposal facility operators: NA

Part C. To be filled by recyclers or co-processors or other users: NA

Date:23.04.2025

Signature of the Occupier Or Operator of the Disposal Facility



# PIEZOMETER TEST REPORT (April 24 - Dec 24)

н		- Continue to	Month	OMO	Sample date	Report No.	April'2024	Sample date	Report No.	August'2024	Sample date	Report No.	November 2024
н		H	6.5-9.5				7.54			7.82			7.55
н		Iron as Fe	0.3	mg/L			0.05			0.04			200
	Plezometer No1	Cadmium as Cd	2000	mail	NCUCIPUIST.	OCIOLAN COCIAN INTERPO	V0 000	Promotive.	Control Assessment Control of Control				20.0
		DO CHILINGS	0.003	120	12/12/12/12/	3C3/HZUZ40413/33	<0.003	30/08/2024	SCS/HZL/W/20240630/33		28/11/2024	SCS/HZLW/20241127/33	<0.003
		Lead as PD	10.03	mg/L			<0.01			<0.01			<0.01
		Zinc as Zn	5	mg/L			2.89			1.95			0.63
		ЬН	6.5-9.5				7.25			7.56			7.68
		Iron as Fe	0.3	mø/L			<0.01			60.01			00.00
2	Plezameter No2	Cadmium as Cd	0.003	I/pu	19/04/2024	SCS/HZI AM/20240419/40	CO 003	PEDELBUIDE	SCIENTI AMMONADANO	10.00	Acces 4 4000		<0.01
		Lead as Ph	0.03	md/l			2007	+207/00/00°	SCHOOL STATE OF STATE	50.003	20/11/2024	SUS/M2UZ4112//34	<0.003
		Ting as 70	2	1000		1	70.07			10.03			<0.01
1		Dist.	0 0				0.84			0.31			0.22
		£ .	6.9-6.0				7.63			7.8			7.94
	:	Iron as Fe	0.3	T/S/ILL			<0.01						<0.01
es	Piezometer No3	Cadmium as Cd	0.003	mg/L	19/04/2024	SCS/HZL/W/20240419/41	<0.003	30/08/2024	SCS/HZL/W/20240830/35	<0.003	28/11/2024	SCS/HZL/W/20241127/35	<0.003
		Lead as Pb	0.01	mg/L			<0.01						<0.01
		Zinc as Zn	לו	mg/L			0.4			0.26			0.0
		ЬН	6.5-9.5				6.73			6.95			200
		Iron as Fe	0.3	me/L			<0.01			5003			0.0
4	Piezometer No4	Cadmium as Cd	0.003	me/l	19/04/2024	SCS/HZL/W/20240419/42	<0.000	NCDC/8010F	SCENETI AND MADE AND SAME		10000111101	COLUMN ASSESSMENT OF PROPERTY.	<0.01
		lead as Ph	100	mo/l	704	711111111111111111111111111111111111111	20.00	4707/00/Inc	3C3/INCAL W12U24U63U130		28/11/2024	SCS/HZL/W/20241127/36	<0.003
		Zine as 7n	100	1/6/11			10.01			<0.D1			<0.01
-		nd	2 0 0				7.4			3.34			1.97
			0.3-9.0				7.14			7.38			7.29
7	:	Iron as Fe	0.3	J/gm			<0.01			<0.01			<0.01
n	Piezometer No5	Cadmium as Cd	0.003	J/gm	19/04/2024	SCS/HZL/W/20240419/43	<0.003	30/08/2024	SCS/HZL/W/20240830/37	<0.003	28/11/2024	SCS/HZL/W/20241127/37	<0.003
		Lead as Pb	0.01	πg/L			<0.01			<0.01			<0.01
1		Zinc as Zn	2	mg/L			2.5			1.82			1.14
		H	6.5-9.5				7.9			8.13			7.83
		Iron as Fe	0.3	mg/L			<0.01			<0.01			<0.01
9	Piezometer No6	Cadmium as Cd	0.003	mg/L	19/04/2024	SCS/HZL/W/20240419/44	<0.003	30/08/2024	SCS/HZL/W/20240830/38	<0.003	28/11/2024	SCS/HZL/W/20241127/38	<0.003
		Lead as Pb	0.03	mg/L			0.02			0.01			<0.01
		Zinc as Zn	2	mg/L			0.28			0.2			0.14
		Н	6.5-9.5				7,62			7.78			7.6
		Iron as Fe	0.3	mg/L			<0.01			<0.01			0,00
7	Plezometer No7	Cadmium as Cd	0.003	mg/L	19/04/2024	SCS/HZL/W/20240419/45	<0.003	30/08/2024	SCS/HZL/W/20240830/39	<0.003	28/11/2024	SCS/HZI /W/20241127/39	CO 003
		Lead as Pb	0.01	mg/L			0.01			0.01			1000
		Zinc as Zn	S	mg/L			0.1			90.0			0.03
		H	6.5-9.5	,			7.2			7.48			7.65
		Iron as Fe	0.3	Т%п			<0.01			<0.01			000
00	Plezometer No8	Cadmium as Cd	0.003	mg/L	19/04/2024	SCS/HZL/W/20240419/46	<0.003	30/08/2024	SCS/HZL/W/20240830/40	<0.003	28/11/2024	SCS/HZL/W/20241127/40	<0.03
		Lead as Pb	0.01	mg/L			<0.01			<0.01			50.01
		Zinc as Zn	5	T/β/ш			0.16			0.11			900
		H.	6.5-9,5	٠			7.42			7.58			7.36
Ī		Iron as Fe	0.3	mg/L			<0.01			<0.01			<0.01
on on	Piezometer No9	Сафтіит as Cd	0.003	mg/L	19/04/2024	SCS/HZL/W/20240419/47	<0.003	30/08/2024	SCS/HZL/W/20240830/41	<0.003	28/11/2024	SCS/HZL/W/20241127/41	<0.003
		Lead as Pb	0.01	mg/t.			<0.01			<0.01			<0.01
		Zinc as Zn	S	mg/L			60.0			0.05			0.02
		FH	6.5-9.5	•			7.4			7.65			7,5
			0.3	- mg/L			<0.01			<0.01			<0.01
10	Piezometer No10	Ö	0.003	mg/L	19/04/2024	SCS/HZL/W/20240419/48	<0.003	30/08/2024	SCS/HZL/W/20240830/42	<0.003	28/11/2024	SCS/HZL/W/20241127/42	<0.003
		Lead as Pb	0.01	mg/l.			<0.01			<0.01			<0.01
1		UZ SE ZUIZ	2	TARK!			1.42			0.88			0.47

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



TC-13363

ISO-9991:2815 CERTIFIED LABORATORY ISO-14901:2915 CERTIFIED LABORATORY ISO-45901:2918 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250201/49	Date of Registration: 01.02.2025
Report No. SCS/HZL/W/20250201/49	Date of Registration: 01.02.2025
14 Neport : 10. SCS/HZIL/ W/20250201/49	Date of Report: 11.02.2025

### TEST REPORT

Name of Client

: M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing : 05.02.2025

: 03.02,2024

Date of end of testing Details of Sample Sample submitted by : SCS Representative

: 11.02.2025 : Piezometer No. 1 Water

Parameter	Results	Protocol
pH	7.89	APHA (24TH Edition) 4500 H
Iron as Fe		APHA (24TH Edition) 3111B
Cadmium as Cd		APHA (24 <sup>TR</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Zinc as Zn		APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager W

**Authorised Signatory** 

The results refer only to the tested sample and applicable parameters.

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.

JAIPUR

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



ISO-9601:2015 CERTIFIED LABORATORY ISO-44601:2015 CERTIFIED LABORATORY ISO-46001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250201/50	Date of Registration: 01.02.2025
Report No. SCS/HZL/W/20250201/50	Date of Report: 11.02.2025
	224 OX 110 PO 11 2 X 10 2 2 0 2 3

### TEST REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing : 05.02.2025 Date of end of testing : 11.02.2025

: 03.02.2025

Details of Sample Sample submitted by : SCS Representative

: Piezometer No. 2 Water

Parameter	Results	Protocol
pH	7.07	APHA (24TH Edition) 4500 H
Iron as Fe		APHA (24TH Edition) 3111B
Cadmium as Cd		APHA (24TH Edition) 3111B
Lead as Pb		APHA (24TH Edition) 3111B
Zinc as Zn		APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

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



The results refer only to the tested sample and applicable parameters.

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.

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



TC-13363

180-4001:2015 CERTIFIED LABORATORY 180-14001:2015 CERTIFIED LABORATORY 190-45001:2016 CERTIFIED LABORATORY

Date of Registration: 01.02.2025
Date of Report: 11.02.2025

# TEST REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing Date of end of testing : 11.02.2025

03.02.2025 : 05.02.2025

Details of Sample Sample submitted by : SCS Representative

: Piezometer No. 3 Water

Parameter	Results	Protocol
pH	8.16	APHA (24TH Edition) 4500 H
Iron as Fe		APHA (24 <sup>TH</sup> Edition) 3111B
Cadmium as Cd	< 0.003 Mg / L	APHA (24 <sup>TII</sup> Edition) 3111B
Lead as Pb	< 0.01 Mg/L	APHA (24TH Edition) 3111B
Zinc as Zn	0.25 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar Dr. D. S. Parihar (Fechnical Manager)

**Authorised Signatory** 

JAIPUR

The results refer only to the tested sample and applicable parameters.

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.

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



TC-13363

of Registration: 01.02.2025
Date of Report: 11.02.2025

### TEST REPORT

Name of Client

: M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing Date of end of testing

: 03.02.2025 : 05.02.2025 : 11.02.2025

Details of Sample Sample submitted by

Piezometer No. 4 Water : SCS Representative

Parameter	Results	Protocol	
рН		APHA (24TH Edition) 4500 H	
Iron as Fe	< 0.01 Mg/L	APHA (24TH Edition) 3111B	
Cadmium as Cd	< 0.003 Mg / L	APHA (24TH Edition) 3111B	
Lead as Pb	< 0.01 Mg/L	APHA (24TH Edition) 3111B	
Zinc as Zn	1.62 Mg / L	APHA (24 <sup>TH</sup> Edition) 3111B	

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Decele

Authorised Signatory



The results refer only to the tested sample and applicable parameters.

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.

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



TC-13363

IBO-9901;2015 CERTIFIED LABORATORY ISO-14061;2015 CERTIFIED LABORATORY ISO-46001;2016 CERTIFIED LABORATORY

Samula ID W. COSSTUDENCE	
Sample ID No.: SCS/W/20250201/53	Date of Registration: 01.02.2025
Report No. SCS/HZL/W/20250201/53	
17.00.000.000.0000000000000000000000000	Date of Report: 11.02.2025

### TEST REPORT

Name of Client

: M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing Date of end of testing

03.02.2025 05.02.2025 11.02.2025

Details of Sample Sample submitted by

Piezometer No. 5 Water : SCS Representative

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

Per pro SCS Enviro Services Pvt. Ltd.,

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



The results refer only to the tested sample and applicable parameters.

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.

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



(BO-9091:2015 CERTIFIED LABORATORY 19O-14001:2016 CERTIFIED LABORATORY 19O-46001:2018 CERTIFIED LABORATORY

Sample ID No.; SCS/W/20250201/54	
Panart No. 00007777 0000001/34	Date of Registration: 01.02,2025
Report No. SCS/HZL/W/20250201/54	
	Date of Report: 11.02.2025

# TEST REPORT

Name of Client Address Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing 03.02.2025 05.02,2025

Date of end of testing Details of Sample

: 11.02.2025 Piezometer No. 6 Water

Sample submitted by : SCS Representative

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

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Decement JAIPUR **Authorised Signatory** 

The results refer only to the tested sample and applicable parameters.

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.

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



TC-13363

ISO-9681:1015 CERTIFIED LABORATORY ISO-14601:2815 CERTIFIED LABORATORY ISO-45601:2818 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250201/55	
Persont No. CCCCCCC (VIII)	Date of Registration: 01.02.2025
Report No. SCS/HZL/W/20250201/55	Date of Report: 11.02.2025

### TEST REPORT

Name of Client Address Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 03.02.2025

Date of start of testing Date of end of testing

05.02.2025 : 11.02.2025

Details of Sample Sample submitted by

: Piezometer No. 7 Water : SCS Representative

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

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

JAIPUR Authorised Signatory

The results refer only to the tested sample and applicable parameters.

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.

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



TC-13363

ISO-9661:2616 CERTFIED LABORATORY ISO-14001:2815 CERTFIED LABORATORY ISO-45001:2916 CERTFIED LABORATORY

Sample ID No.: SCS/W/20250201/56	
Penert No. CCC/1177 01/202-201/30	Date of Registration: 01.02.2025
Report No. SCS/HZL/W/20250201/56	Date of Report: 11.02.2025
	Date of Report: 11.02.2025

# TEST REPORT

Name of Client Address Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Date of Sampling
Date of start of testing

Village: Debari, Udaipur-313024, Rajasthan 03.02.2025

Date of start of testing
Date of end of testing

: 05.02.2025 : 11.02.2025

Details of Sample Sample submitted by

: Piezometer No. 8 Water: SCS Representative

Parameter	Results	Protocol
pH		APHA (24 <sup>7H</sup> Edition) 4500 H
Iron as Fe	< 0.01 Mg/L	APHA (24TH Edition) 3111B
Cadmium as Cd Lead as Pb	< 0.003 Mg / L	APHA (24TH Edition) 3111B
Zinc as Zn	< 0.01 Mg/L	APHA (24TH Edition) 3111B
Zinc as Zii	0.10 Mg / L	APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

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



The results refer only to the tested sample and applicable parameters.

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.

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

180-9001:2015 CERTIFIED LABORATORY 150-14081:2015 CERTIFIED LABORATORY 180-45081:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20250201/57 Report No. SCS/HZL/W/20250201/57	Date of Registration: 01.02.2025  Date of Report: 11.02.2025
	Date of Report: 11.02.2025

# TEST REPORT

Name of Client Address Client

: M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 03.02.2025

Date of start of testing Date of end of testing

05.02.2025 : 11.02.2025

Details of Sample Sample submitted by

: Piezometer No. 9 Water : SCS Representative

Parameter	Results	Protocol
Н	7.54	APHA (24TH Edition) 4500 H
Iron as Fe	< 0.01 Mg/L	APHA (24TH Edition) 3111B
Cadmium as Cd	< 0.003 Mg/L	APHA (24TH Edition) 3111B
Lead as Pb	< 0.01 Mg / L	APHA (24TH Edition) 3111B
Zinc as Zn	0.03 Mg/L	APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)



The results refer only to the tested sample and applicable parameters.

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.

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



140-9861;2815 CERTFIED LABORATORY ISO-14081;2015 CERTFIED LABORATORY ISO-45081;2016 CERTFIED LABORATORY

Sample ID No.: SCS/W/20250201/58	
	Date of Registration: 01.02.2025
Report No. SCS/HZL/W/20250201/58	
	Date of Report: 11.02.2025

### TEST REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 03.02.2025

Date of start of testing Date of end of testing

05.02.2025 11.02.2025

Details of Sample Sample submitted by : Piezometer No. 10 Water

: SCS Representative

Parameter	Results	Protocol
pH		APHA (24TH Edition) 4500 H
Iron as Fe	< 0.01 Mg / I.	APHA (24 <sup>TII</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.,

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



The results refer only to the tested sample and applicable parameters.

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.



# AMBIENT NOISE MONITORING REPORT (April 24-Dec 24)

		Month			April:2024		Month			Augustioned		1				
		Eran	r	Links			+	_ [		Tengar v		MONTO			November 2024	F-2024
2 8 10		ż	Uay	N S			Freq.	Day	Night			Freg.	Dav	Night		
ć.	S.No. Location	Norms dB(A)	75	2	Sample Date	Report No.	Norms dB(A)	75	70 Samp	Sample Date	Report No.	Normsd B(A)	12	_	Sample Date	Report No.
1	1 Near Envt. Lab		58.3	47.9	19/04/2024	19/04/2024 SCS/HZI /AN/20240419/21		0 91	40.4	200000						
2	Near Bailway Gate /SRP Area		R2 E	51.4	A DOUGHOUSE	COCCUPATION TO THE COCCUPATION OF THE COCCUPATION O	1	- 1	4	6/2024	30/00/2024 SCS/HZL/AN/20240830/15		59.4	52.1	27/11/2024	SCS/HZL/AN/20241127/15
	None LTD 4 and		040	1	+202#nucT	13/04/2024 3C3/HZL/AN/20240419/22		7.	53.5 30/0	8/2024   \$	30/08/2024   SCS/HZL/AN/20240830/16		66.1	55	27/11/2024	SCS/HZL/AN/20241197/16
	Ned Ell Aled		63	56.1	19/04/2024	19/04/2024 SCS/HZL/AN/20240419/23		66.2	59.4 30/0	30/08/2024 \$	SCS/HZL/AN/20240830/17		8	57 E	27/11/P00A	COCCUE AND COCCUE AND COCCUE
$\neg$	Near DG Room Area		58.9	50.4	19/04/2024	19/04/2024 SCS/HZL/AN/20240419/24		60.3	52.7 30/0	30/08/2024 S	SCS/HZI /AN/20240830/18		3 63	2 2	27111/2024	SCS/ HZUAN/ZU24112//1/
	Near ZSD Main Gate Area		65.6	56.4		19/04/2024 SCS/HZL/AN/20240419/25		67.5	L		SCS/HZI /AN/20240B30/10		020	2 5	27111/2024	SCS/HZL/AN/20241127/18
9	Near ZE Area		689	64.7	19/04/2024	19/04/2024 SCS/HZL/AN/20240419/26			╀	2/2004	20/08/2004 CCC/UZI (ANIMOZADOSO)		8 2	7.10	2//11/2024	SCS/HZL/AN/20241127/19
7	Near Weigh Bridge Area		99	55.4	19/0/C/C/D/D/	TOTOLOGICAL TANGOLD AND ACADA			+	042024	CS/ FIZ L/ AIN/ ZUZ4U63U/ZU		71.6	7.	27/11/2024	SCS/HZL/AN/20241127/20
α	Near MCTP Entrance Area		0.00	2 2	40.00000	/7/6T+0+707/NUTTINOO			+	6/2024	30/08/2024 SCS/HZL/AN/20240830/21		67.2	55.7	27/11/2024	SCS/HZL/AN/20241127/21
_	Month City and Control		7 1	33.8	19/04/2024	19/04/2024 SCS/HZL/AN/20240419/28		65.3	55 30/08	30/08/2024 S	SCS/HZL/AN/20240830/22		62.4	52.9	27/11/2024	SCS/H71/AN/20241197/22
2	Near Roaster Area		70.9	65	19/04/2024	19/04/2024   SCS/HZUAN/20240419/29		69.4	64.2 30/08	30/08/2024 S	SCS/HZL/AN/20240830/23		677	52 E	22/11/19094	77//71147070
9	Near Workshop Area		68.5	59.4	19/04/2024	19/04/2024 SCS/HZL/AN/20240419/30		63	56.8 30/08		SCS/HZI /AN/20240820/24		5	200	Z// 11/2024	SCS/HZL/AN/20241127/23
11	11 Near Solar Area		58.5	50.3	19/04/2024	19/04/2024 SCS/HZL/AN/20240419/31			+	3 1/20/2/8	30/08/2024 CCC/UZI /AN/20240222002		2 6	33.2	Z// / 1/2024	SCS/HZUAN/20241127/24
12	12 Near Hospital Area		53.9	44.8	19/04/2024	19/04/2024 SCS/HZI JAN/20240419/22			1	2020	C2115204420240620153		0.70	51.3	2//11/2024	SCS/HZL/AN/20241127/25
7.	13 Noor CTD Ave.		┿		7777	303112 UNIV 20240413132		- 1	43.4 30/08	30/08/2024 S	SCS/HZL/AN/20240830/26		53.7	4	27/11/2024	SCS/HZL/AN/20241127/26
	and are diseased		+	4.00	19/04/2024	19/04/2024 SCS/HZL/AN/20240419/33		65	58.2 30/08	30/08/2024  St	SCS/HZL/AN/20240830/27		67.5	80.8	27/11/2024	SCC/HZI/ANI/202411272
2	Near Store		22	45.7	19/04/2024	19/04/2024 SCS/HZUAN/20240419/34	-	53.4	44.6 30/08	30/08/2024 St	SCS/HZL/AN/20240830/28		57.2	A6	27/11/2024	COST ISLICATION CONTRACTOR
12	Near Leaching Area		68.4	ß	19/04/2024	19/04/2024 SCS/HZL/AN/20240419/35		69.1	90/06	30/08/2024 St	SCS/HZL/AN/20240830/29		71.9	68.5	27/11/2024	SCS/HZL/AN/2024112//28
														3	#707/TT//7	SCS/12/12/129

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-45001:2816 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20250201/25 Date of Registration: 01.02.2025 Report No. SCS/HZL/AN/20250201/25 Date of Report: 11.02.2025

# 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

01.02.2025

Date of start of testing

: : 01.02.2025

Date of end of testing Duration of sampling

: 02.02.2025 24 Hrs.

Type of Industry

Non-Ferrous Metal Industry

Name of Location Parameter required Results : Near Environment Lab Area

Ambient Noise

Kes	ui	u
	-	

Parameter	Results	s dB (A)
	Day Time	Night Time
Leq	58.7	53.5
Category of Zones	Leg in	dB(A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

- 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.,

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

- The results refer only to the tested sample and applicable parameters.
- 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-45001:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20250201/26	Detect Detection of the second
Report No. SCS/HZL/AN/20250201/26	Date of Registration: 01.02.2025
	Date of Report: 11.02.2025

# 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 Date of start of testing 01.02.2025

Date of end of testing

01.02.2025 : 02.02.2025

Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry

Name of Location

: Near Railway Gate / SRP Area

Parameter required

: Ambient Noise

Results

Kesult:	s dB (A)
Day Time	Night Time
65.0	57.6
Leg in	dB(A)
Day	Night
75	70
65	55
55	45
50	40
	Day Time 65.0  Leq in Day 75 65 55

- 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.,

Jeones Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-9601:2015 CERTIFIED LABORATOR ISO-14961:2015 CERTIFIED LABORATO ISO-45861:2016 CERTIFIED LABORATO

Carrie ID NI GOGGESTION	
Sample ID No.: SCS/AN/20250201/27	Date of Desistantian Or or organ
Depart No CCCARGE LANGUAGES	Date of Registration: 01.02.2025
Report No. SCS/HZL/AN/20250201/27	Date of Report: 11.02.2025
	Date of Report. 11.02.2025

# 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 Date of start of testing 01.02.2025

Date of end of testing

: 01.02.2025 : 02.02.2025 24 Hrs.

Duration of sampling Type of Industry

: Non-Ferrous Metal Industry

Name of Location Parameter required : Near ETP Area : Ambient Noise

Parameter	Results	dB (A)
	Day Time	Night Time
eq	60.5	56.9
Category of Zones	Leq in	dB(A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

- 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.

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

- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-0001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

Sample ID No. COS/AN/20250001/00	
Sample ID No.: SCS/AN/20250201/28	Date of Registration: 01.02.2025
Report No. SCS/HZL/AN/20250201/28	Date of Registration: VI.VZ.Z0Z5
ACCOST 17.0. GCG/112.C# A14/20250201728	Date of Report: 11.02.2025

# 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 01.02.2025 Date of start of testing 01.02.2025 Date of end of testing 02.02.2025 Duration of sampling : 24 Hrs.

Type of Industry : Non-Ferrous Metal Industry

Name of Location : Near DG room Area Parameter required Ambient Noise

Parameter	Result	s dB (A)
	Day Time	Night Time
Leq	60.7	52.2
Category of Zones	Leg in	n dB(A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

- 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.,

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

- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-9601:3815 CERTHIED LABORATORY ISO-14661:2615 CERTHIED LABORATORY ISO-45661:2016 CERTHIED LABORATORY

Cample ID No. CCCLANICOGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	
Sample ID No.: SCS/AN/20250201/29	Date of Registration: 01.02.2025
Report No. SCS/HZL/AN/20250201/29	
Troportito, BCD/IIZDIA MC1/20230201/29	Date of Report: 11.02.2025

# 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
Date of start of testing

: 01.02.2025 : 01.02.2025

Date of end of testing Duration of sampling

: 02.02.2025 : 24 Hrs.

Type of Industry
Name of Location
Parameter required

Non-Ferrous Metal IndustryNear ZSD Main Gate Area

ed : Ambient Noise

Results

Parameter	Results	s dB (A)
	Day Time	Night Time
Leq	66.7	62.4
Category of Zones	Leq in	n 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

- The results refer only to the tested sample and applicable parameters.
- 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.

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

MC-9681:2015 CERTIFIED LABORATORY ISO-14081:2015 CERTIFIED LABORATORY ISO-15601:2818 CERTIFIED LABORATORY

of Registration: 01.02.2025
DA ACCESSES ACTOM. VI.UZ.2023
Date of Report: 11.02,2025
]

### 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

01.02.2025

Date of start of testing Date of end of testing

01.02.2025 02.02.2025

Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry

Name of Location Parameter required : Near ZE Area : Ambient Noise

Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	72.5	65.0
Category of Zones	Leq in	dB(A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

- 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.,

Joolee Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-9881:2815 CERTIFIED LABORATOR ISO-14981:2016 CERTIFIED LABORATO ISO-45091:2018 CERTIFIED LABORATO

Sample ID No. CCC/ANIZOACOAN	
Sample ID No.: SCS/AN/20250201/31	Date of Registration: 01.02.2025
Report No. SCS/HZL/AN/20250201/31	
1 120200201101	Date of Report: 11.02.2025

# 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 Date of start of testing 01.02.2025

Date of end of testing

01.02.2025 02.02.2025

Duration of sampling Type of Industry

24 Hrs. : Non-Ferrous Metal Industry

Name of Location Parameter required

: Near Weigh Bridge Area : Ambient Noise

Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	64.4	57.5
Category of Zones	Leq in	dB(A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

- 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.,

Joeeper Dr. D. S. Parihar

(Technical Manager)

Authorised Signatory

- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-8001:2016 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-41001:2010 CERTIFIED LABORATORY

Semple ID No. COCHANGO PROPERTY	
Sample ID No.: SCS/AN/20250201/32	Data of Danist ati 01 00 0000
Report No. SCS/HZL/AN/20250201/32	Date of Registration: 01.02.2025
ACPORT NO. SCS/HZL/ANV/20250201/32	Date of Report: 11.02.2025
	Date of Report: 11.02.2025

# 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
Date of start of testing

01.02.2025 01.02.2025

Date of end of testing Duration of sampling

: 02.02.2025 : 24 Hrs.

Type of Industry
Name of Location

: Non-Ferrous Metal Industry : Near MCTP Entrance Area

Parameter required

Ambient Noise

Results

Parameter	Results	s dB (A)
	Day Time	Night Time
Leq	64.0	55.0
Category of Zones	Leq in	ı 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

Deces

- The results refer only to the tested sample and applicable parameters.
- 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.

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

9801:2015 CERTIFIED LABORATORY -14001:2015 CERTIFIED LABORATORY -45001:2018 CERTIFIED LABORATORY

Sample ID No.; SCS/AN/20250201/33	
Report No. SCS/HZL/AN/20250201/33	Date of Registration: 01.02.2025
11 11 11 11 11 11 11 11 11 11 11 11 11	Date of Report: 11.02.2025

# 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 Date of start of testing

01.02.2025 01.02.2025

Date of end of testing Duration of sampling

: 02.02.2025 24 Hrs.

Type of Industry

: Non-Ferrous Metal Industry

Name of Location Parameter required

: Near Roaster Area : Ambient Noise

Ragnite

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	69.6	65.7
Category of Zones	Leg in	dB(A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

- 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

- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-8001.2016 CERTIFIED LABORATOR ISO-14001:2016 CERTIFIED LABORATO ISO-45901:2018 CERTIFIED LABORATO

Sample ID No.: SCS/AN/20250201/34	
P 12 1101 BCS/AU(20230201/34	Date of Registration: 01.02.2025
Report No. SCS/HZL/AN/20250201/34	
	Date of Report: 11.02.2025

# 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

01.02.2025

Date of start of testing Date of end of testing

01.02.2025 02.02.2025 24 Hrs.

Duration of sampling Type of Industry

Non-Ferrous Metal Industry Near Workshop Area

Name of Location Parameter required

Ambient Noise

Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	62.3	50.1
Category of Zones	Leg in	ı dB(A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

- 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

Per pro SCS Enviro Services Pvt. Ltd..

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

The results refer only to the tested sample and applicable parameters.

- 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.

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

ISO-BOST 2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20250201/35	
Report No. SCS/HZL/AN/20250201/35	Date of Registration: 01.02.2025
Report No. 3C3/HZL/ANY/20250201/35	Date of Report: 11.02.2025

# 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 Date of start of testing

01.02.2025 01.02.2025

Date of start of testing
Date of end of testing
Duration of sampling

02.02.2025 24 Hrs.

Type of Industry

: Non-Ferrous Metal Industry

Name of Location Parameter required : Near Solar Area

neter required : Ambient Noise

Parameter	Results	dB(A)
	Day Time	Night Time
Leq	55.2	48.5

_ <del></del>	T0,2
Leq in dB(A)	
Day	Night
75	70
65	55
55	45
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

- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-4691:2015 CERTIFIED LABORATORY ISO-14001:2815 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

Comple ID No CODY MICROSTOR	
Sample ID No.: SCS/AN/20250201/36	Date of Registration: 01.02.2025
Report No. SCS/HZL/AN/20250201/36	Date of Registration: 01.02.2025
**************************************	Date of Report: 11.02.2025

# 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 Date of start of testing

: 01.02.2025 : 01.02.2025

Date of end of testing Duration of sampling

02.02.2025 : 24 Hrs.

Type of Industry

: Non-Ferrous Metal Industry

Name of Location Parameter required

: Near Hospital Area : Ambient Noise

Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	55.0	44.6
Category of Zones	Leq in dB(A)	dB(A)
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

- 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.,

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



- The results refer only to the tested sample and applicable parameters.
- 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.

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

IEG-9801:3016 CERTHIED LABORATORY ISG-14881:3815 CERTHIED LABORATORY ISG-45801:2815 CERTIFIED LABORATORY

Sample ID No . SCC/AN/20250201/25	
Sample ID No.: SCS/AN/20250201/37	Date of Registration: 01.02.2025
Report No. SCS/HZL/AN/20250201/37	
F517.0. CG5/ILDZ/H1/120230201/37	Date of Report: 11.02.2025

# 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 Date of start of testing

: 01.02.2025 01.02.2025

Date of end of testing

02.02,2025

Duration of sampling Type of Industry

: 24 Hrs. : Non-Ferrous Metal Industry

Name of Location Parameter required : Near STP Area

Ambient Noise

Parameter	Results dB (A)	
	Day Time	Night Time
_eq	66,1	63.0
Category of Zones	Leq in dB	dB(A)
	Day	Night
ndustrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

- 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

- The results refer only to the tested sample and applicable parameters.
- 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.

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

ISO-9881:2015 CERTIFIED LABORATORY ISO-14881:2815 CERTIFIED LABORATORY ISO-45881:2818 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20250201/38	
Report No. SCS/HZL/AN/20250201/38	Date of Registration: 01.02,2025
THE STATE OF THE S	Date of Report: 11.02.2025

# AMBIENT NOISE MONITORING REPORT

Name of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan

Date of Monitoring
Date of start of testing

01.02.2025 01.02.2025

Date of end of testing Duration of sampling

02.02.2025 24 Hrs.

Type of Industry
Name of Location

Non-Ferrous Metal Industry

Name of Location Parameter required Near Store Ambient Noise

Results

Leq

Result	s dB (A)
 Day Time	Night Time
CO (	

		48.4
Category of Zones	Leq in dB(A)	
Total	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

Parameter

- 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

The results refer only to the tested sample and applicable parameters.

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.

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

ISO-6661:2813 CERTIFIED LABORATI ISO-14061:2015 CERTIFIED LABORATI ISO-15061:2018 CERTIFIED LABORATI

Sample ID No.: SCS/AN/20250201/39	
Report No. SCS/HZL/AN/20250201/39	Date of Registration: 01.02.2025
T-1475 GG/11211/A14/20230201/39	Date of Report: 11.02.2025

# 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

01.02.2025

Date of start of testing Date of end of testing

01.02.2025 02.02.2025

Duration of sampling

24 Hrs.

Type of Industry Name of Location

Non-Ferrous Metal Industry

Parameter required

Near Leaching Area Ambient Noise

Results

Parameter	Result	s dB (A)
	Day Time	Night Time
Leq	72.5	69.2

Category of Zones	Leq in	dB(A)
	Day	Night
ndustrial	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

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

The results refer only to the tested sample and applicable parameters.

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.