



#### **REGISTERED A.D.**

DZS/ENV/A-01/ENV/2024/

Date: 27/11/2024

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

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

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

Dear Sir,

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

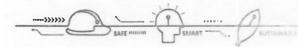
Thanking you,
Yours faithfully

(Vivek dadav )

SBU Director, ZSD

C.C.: 1. Regional Officer,
Rajasthan State Pollution Control Board
F-470, Mewar Industrial Area, UCCI-UDAIPUR (RAJ)-313001

- Scientist 'D' & In charge
  Zonal Office (Central),
  Central Pollution Control Board, 3rd Floor, Sahkar Bhawan,
  North T.T. Nagar, Bhopal- 462003
- 3. The Deputy Director (S)/ Scientist- C,
  Ministry of Environment, Forest & Climate Change
  Integrated Regional Office, A- 209 & 218, Aranya Bhawan,
  Jhalana Institutional Area, Jaipur (Rajasthan) 302004





Six Monthly Compliance Report

of

Environmental Clearance Conditions

for



Zinc Smelter Debari

M/s Hindustan Zinc Limited

Debari – 313024, Udaipur, Rajasthan

For the period

1st April 2024 to 30th Sept 2024

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

Nov, 2024

S. No.	Particulars	
1	Name of Project	Details
		M/s Hindustan Zinc Limited, Zinc Smelter Debari
2	Address of Project	10/3 mindustan Zinc Limited Zinc Smolter Dalast
3	<b>Environment Clearance</b>	Village Debari, District- Udaipur, Rajasthan
	Letter no & Date	Letter No. J-11011/479/2006-IA .II (I) dated 19th March
	Status of Project	Operational
	elter Debari of Uindoo	

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

S. No.	Unit	Capacity	Year of Commissioning	Production
1	Zinc Smelter	Zn: 1,00,000 TPA		(FY 23-24)
etails o	of Concents to 0		1968	78214MT

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

Unit Name	CTO / HINA Defe
	CTO / HWA References File Nos.
	CTO Details
Zinc Smelter, Debari	F(HDF)/Udaipur(Girwa)/1328(1)/2022-2023/7460-7462 Dtd:17/03/2023
<b>Captive Power Plant</b>	
(D.G. Set 2x7.4 MW)	F(HDF)/Udaipur(Girwa)/1338(1)/2023-2024/6961-6963 Dtd: 07/02/2024
MCTP	F(HDF)/Udaipur(Girwa)/1330(1)/2023-2024/4374-4376 Dtd:
111011	09/10/2023
Zinc Smelter	
Township	F(CPM)/Udaipur(Girwa)/17(1)/2018-2019/2817-2819 Dtd:
	11/11/2019
Zinc Smelter	F(BMW)/Udaipur(Girwa)/7008(1)/2021-2022/1340-1341, dtd:
Hospital	21/01/2022.
	HWA Details
Zinc Smelter, Debari	F(HSW)/Udaipur(Girwa)/7034(1)/2022-2023/7463-7465 Dtd: 17/03/2023

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

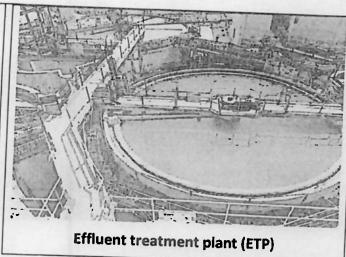
Clearance Letter No.: J-11011/479/2006-IA.II (I) dated 19th / 25th March, 2008

Period of Compliance Report: 01st April 2024 to 30 Sept 2024

#### **Specific Conditions:**

Sr.No	Condition	Compliance
	The company shall install on-line stack emission monitoring equipments for continuous monitoring of SO2, NOx, SPM and O2 and all the pollution control measures shall be interlocked. The company shall install fume extractors and bag filters to control the emissions from all melting and casting units including Moore cake treatment plant. Cyclone, scrubber, wet ESP, Fluoride removal	All PCM's like Cyclone, scrubber, wet ESP, absorpti tower, demister, etc. have been installed.  Bag filters and fume extractors are provided and a operated efficiently in Zinc Melting, casting un Calcine handling system and Moore cake treatmen plant.  Online analysers for SO <sub>2</sub> , NOx, SPM and emission are installed and connected to PCB server. All PCB are interlocked. AAQ monitoring reports for the period April 24 to Sept'24 are attached as Annexum—1 and also reported to Pollution Control Board.  Cyclone at Roster  Gas cleaning plant  Online analyzer  Online analyzer

	(H <sub>2</sub> SO <sub>4</sub> ) produced and acid mist let than 50 mg/Nm <sup>3</sup> .	Yarame	Roa	ster-2	Roa	ster-3
		ter	SO2	Acid	SO2	Acid
			(mg/N	Mist	(mg/N	Mist
			m3)	(mg/N	m3)	(mg/N
		Month		m3)		m3)
		April' 24	193.7	28.5	162.0	25.8
		May 24	180.6	28.1	171.4	29.0
		June' 24	165.9	25.5	188.9	28.4
		July'24	155.4	22	174.6	26.9
		Aug'24	184.4	27.0	193.7	28.9
		Sept'24	192.0	23.0	182	24.5
3	Secondary fugitive emissions from all	All stack me to Sept'24 a	onitoring ire attach	reports for ed as <b>Anne</b>	r the perio	od April :
	monitored and data submitted to the Regional Office at Lucknow, CPCB and RSPCB.	1 B.				
	Total water requirement from Udai Sagar Dam shall not exceed 8,000 m3/day as per the agreement signed with Govt. of Rajasthan. No ground water will be used.  As reflected in the EIA/EMP, all the effluent generated from gas cleaning plant, Sulphuric acid plant, anode & cathode washing, demineralization plant and cooling tower shall be treated in the effluent treatment plant (ETP). The treated effluent shall conform to the prescribed standards and recycled to maintain the 'zero' discharge. Sewage shall be treated in sewage treatment plant (STP).	Total water m³/day. Sources of f water from ground wate. The effluent Treation (Capacity 30 and Zero Lic quality and recycling in process. A also ensures and treatmer process.	resh water Common r is abstrates s from the atment Pland further 00 KLD) to quantity process. A additional effective	er is Man Sewage T acted for us these sour ant follow in RO-ZLI to ensure harge (ZLI of treated Il treated v RO-ZLD w and mecha	siwakal and reatment se.  I ces are to ed by ETFO with MV effective to one of the water water is besident of the MVR sanized evaluation.	reated in P(Capacity R system improve and itselfing used system is apporation



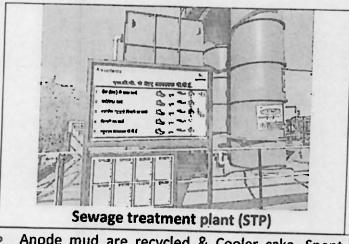
The sample of treated effluent are regularly collected and analyzed as per IS & CPCB approved procedures & treated effluent confirms the limits prescribed by the Board.

The treated water is recycled and zero discharge is maintained.

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

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

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



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

Anode mud are recycled & Cooler cake, Spent catalyst are disposed at CTDF Gudli. Copies of manifest are submitted to RSPCB every month.

Waste oil/used oil are sold to registered

5

waste management facility (CHWMF) at Gudli of M/s Ramky.

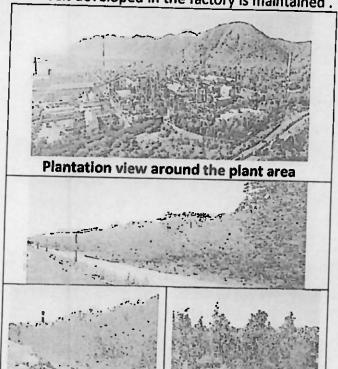
The Jarosite sludge shall be neutralized with hydrated lime and disposed off in secured landfill (SLF) inside the plant premises. ETP sludge in the form of cake shall be recycled in | • the Moore cake treatment Plant. Waste/used oil shall be sold to registered recyclers. Valid membership to CHWMF shall be obtained.

As proposed in EIA/EMP, canopy based green belt of adequate width and density in and around the around the periphery of plant in 67.5 ha. Out of total 190.05 ha. Shall be developed as per CPCB guidelines.

recyclers.

- 100 % of Jarosite generated from process is being sent for co-processing in cement industries.
- ETP sludge is disposed off in common hazardous waste management facility (CHWMF) at Gudli of M/s Re sustainability.
- All the process residues & other Hazardous wastes are handled & disposed as per granted Authorization & HWR-2016.
- Membership no. 373 obtained for CHWMF through UCCI, Udaipur vide letter no. UCCI/HWM-373/2023-24.

Around 76 hectare area is covered under green belt out of lease area of 190.05 hectare including lawns. Green belt developed in the factory is maintained.



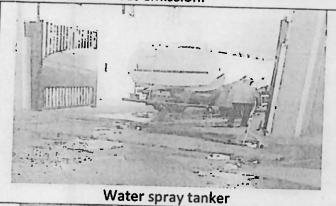
Permission and recommendations of the State Forest Department regarding impact of the proposed expansion on surrounding 18 reserve forests shall be obtained and all the recommendations shall be implemented. Further, Conversation Plan for the conservation of wild

In consultation with forest department following actions are taken for conservation of wild fauna around premises:

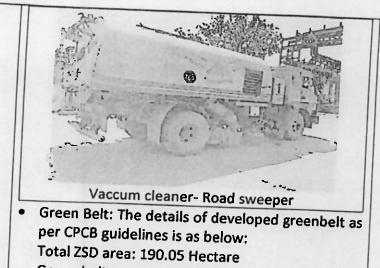
- Display board for awareness indicating conservation of wild fauna.
- Total 20000 no. plantation done in FY 23-24.
- Total 16200 no Plantation done till FY 24-25
- Preservation of trees and shrubs for

rorest D	consultation with the Sta epartment shall be prepare emented.	red providing better niche for the animals.  Regular maintenance with dedicated team and other resources is being done for exist plant, parks and green belt cover in factory area is carried out.  Awareness program conducted for employees and their families on the occasio of National energy conservation day, Water day, Biodiversity day, Earth day & World Environment Day.
health memployees Cadmium (Conference of Cadmium necessary arranged uncompetent physician shout memore of the cessation of Cadmium necessation of Cadmium necessary arranged uncompetent physician shout memore necessation of Cadmium necessary necessation of Cadmium necessary necessation of Cadmium necessary nece	employment whichever is	Regularly, all the employees are undergoing periodical medical check-ups for health impact due to industrial activity. Check up for lead and cadmium is carried out for all workmen working in that area and randomly for others. The blood samples are analyzed by expert team of HZL. We are having qualified & experienced medical officers with us.  1. Dr. Sumit Siroya — MBBS,PGDD,FID, AFIH with 13 years experience.  Records are maintained as per requirement.
for Environme	mmendations made in Corporate Responsibility ent Protection (CREP) for hall be implemented.	Meeting SO <sub>2</sub> emission 950 mg/NM <sup>3</sup> 1.5 Kg/tonne of 100% H <sub>2</sub> SO <sub>4</sub> produced, 50 mg/Nm <sup>3</sup> of acid mist.  Online SO <sub>2</sub> monitoring system has been installed at Acid Plant-2 & Acid Plant-3 and real time data

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







# Total ZSD area: 190.05 Hectare Green-belt area: 76.0 Hectare

#### **General Conditions:**

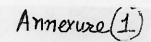
Sr. No	Condition	Compliance Status
1	The project authorities must strictly adhere to the stipulations made by the Rajasthan State Pollution Control Board (RSPCB) and the State Government.	Noted
2	No expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Noted
1 3 4 6 10	The gaseous emissions from various process units shall conform to the standards prescribed by the concerned authorities from time to time.  The Rajasthan State Pollution Control Board (RSPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.  At no time, the emissions level shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not	against specific condition no. 1 & 2 and are well

	be restarted until the control measures are rectified to achieve the desired efficiency.	e				
Adequate number of ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO2 and NOx are anticipated in consultation with the Rajasthan State Pollution Control Board.  Data on ambient air quality and stack emission shall be regularly submitted to the Ministry including its Regional Office at Lucknow and the CPCB/		estable Pollut to state of Third carried accredent 1. The on research	ambient air qualished in constitution Control Brutory authority party monito dout by Natited laborato result are subgular basis.	ultation with the post of the period of the	th Rajast rts are s cally. blient at and M ned as A concern a rage va elow:	han Sta ubmitt ir quali noEF&( unnexu authorid
	RSPCB once in six months.	Parameter	Avera	ge Value (	in μg/ m	3)
	The object in six months.		Laboratory	Near Railway gate	Near ETP	Near Solar
		PM <sub>10</sub>	64.75	52.75	58.55	55.9
		PM <sub>2.5</sub>	37.8	31.1	35.15	37
		SO <sub>2</sub>	13.05	7.05	8.0	7.4
	Fugitive emissions, acid mist	NO <sub>2</sub>	23.15 ng of all sa	11.4	14.3	12.2
	vapours, fumes and SO <sub>2</sub> shall be controlled and work environment monitored for prevailing contaminants regularly. Fugitive dust emissions in the handling area and at various transfer points shall be minimized by provision of dust suppression system.  Bag filters shall be installed in Roaster, calcine handling & storage section, Zn atomizing unit, Dross milling section to control fugitive emissions.  The company shall improve overall nousekeeping by asphalting the	done. Als has been a Bag filters fugitive er All the reminimize	suppression o mechanized deployed to cl are installed	regular wad road swellean roads. at said local chalted & lust, mechal	tions to cemente	ying is nachine control ed. To
e V	nternal roads and to reduce the generation of fugitive dust from rehicle movements. Industrial wastewater shall be properly collected, treated so as to	The same	ole of treated	d effluent		
1 10					216 -0-	

	conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time.  The treated wastewater shall be recycled in this plant as well as utilization for plantation purpose.	CPCB approved procedures & treated effluen conforms the limits prescribed by the Board.  The treated water is recycled and zero discharge is maintained.
7	The project authorities must strictly comply with the rules and regulations with regards to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rule, 2003.  Authorization from the state pollution control board must be obtained for collection, storage, treatment and disposal of hazardous waste.	Bullet Back by KSPCB under the HW
8	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation.  The ambient noise level should conform the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) to 70 dBA (nighttime).	<ul> <li>Noise control measures including acoustic hoods, silencers, enclosures etc. have been provided on all sources of noise generation.</li> <li>Ambient noise level is monitored by MoEF&amp;CC, RSPCB &amp; NABL approved laboratory. Report for the period April'24 to Sept'24 is attached as Annexure -5.</li> </ul>
	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<ul> <li>Periodic Medical Examination for occupational health is done on regular basis and records are maintained.</li> <li>A 16 bedded occupation health centre with qualified doctor is available.</li> </ul>

10	The project proponent shall also comply with all the anxies	Diotection	n measures -
comply with all the environmental protection measures and safeguards maintained as per the EIA/EMP/ risk analysis and DMP report.		safeguards recommended analysis and DMP re implemented.  For emission control, ESP, I and gas cleaning tower h with adequate stacks h	in the EIA/EMP/r port have be  Bag houses, cyclor ave been install
		<ul> <li>For Effluent Control, zo maintained through ETP, RC</li> <li>For Hazardous waste maintained technology being minimization and disposal or</li> </ul>	ero discharge 0-ZLD and STP. nanagement, be g used for wast f Hazardous wast
1	The project authorities shall provide Rs. 76.00 crores towards environmental pollution control measures to implement the conditions stipulated by the Ministry	<ul> <li>is done as per Authorization</li> <li>Incurred Rs. 76 Crore toward pollution control measures.</li> <li>Breakup expenditure for Resunder:</li> </ul>	rds environmenta
	of Environment and Forests as well	Area/Equipments	Cost
	as the Government and submit and	Acid Dlant	(Rs. in Crores)
	implementation schedule for all the	Acid Plant Gas Cleaning	33.0
	conditions stipulated herein to this		. 16.0
	Ministry and its Regional Office at	ESP,Bag Filter,Stacks Stack Analyser	13.0
	Lucknow.		0.5
	The funds so provided shall not be	Covered conveyers	2.0
	diverted for any other purposes.	Modification/addition in water/ Effluent Treatment Facilities/RO Plant	5.0
		Solid waste disposal facilities (Jarosite SLF etc)	5.0
		R.A. a.	
		Monitoring Facilities (Additional)	0.5
		Monitoring Facilities (Additional)  Green belt  Total	0.5 1.0

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



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



TC-13363

ISC-4601:2015 CERTIFIED LABORATOR ISC-44001:2015 CERTIFIED LABORATOR ISC-46001:2016 CERTIFIED LABORATOR

Sample ID No.: SCS/AAQ/20240419/08	
Report No. SCS/HZL/AAQ/20240419/08(1/2)	Date of Registration: 19.04.2024
	Date of Report: 30 04 2024

### AMBIENT AIR QUALITY 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

19.04.2024 22.04.2024 30.04.2024 24 Hrs.

Duration of sampling Type of Industry GPS Coordinate of the

Non-Ferrous Metal Industry

Location

24°36′14.29″N 73°48′51.02″E

Ambient Temperature Name of Location

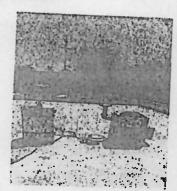
35.4°C

Parameter required

RESULTS

Near Environment Lab 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



Parameter	Observed Value	Limit as per NAAQS	T-
Particulate Matter (PM <sub>10</sub> )	660 / 1		Protocol
Particulate Matter (PM2.5)	66.9 μg / m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Sulphur Dioxide (SO <sub>2</sub> )	39.1 μg / m <sup>3</sup>	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Oxide Of Nitrogen (NO <sub>x</sub> )	14.0 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Ozone (O <sub>3</sub> )	25.8 μg / m <sup>3</sup>	80 μg/m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	60.0 μg / m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 9)
Ammonia (NH <sub>3</sub> )	1,031 μg / m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/013
Lead (Pb)	43.0 μg/m <sup>3</sup>	400 μg / m <sup>3</sup>	IS 5182 (Part 25)
Nickel (Ni)	0.34 μg / m <sup>3</sup>	1 μg/m <sup>3</sup>	IS 5182 (Part 22)
Benzene (C <sub>6</sub> H <sub>6</sub> )	2.30 ng / m <sup>3</sup>	20 ng/m <sup>3</sup>	IS 5182 (Part 26)
Benzo(α)Pyrene (BaP)	< 1.0 μg / m <sup>3</sup>	5 μg / m <sup>3</sup>	IS 5182 (Part 11)
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.,

Doreel Dr. D. S. Parihar (Technical Manager) MAIPUR **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-8001:2015 CERTIFIED LABORATORY ISO-14091:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/08	ISO-45001:2019 CERTIFIED LABO
Report No. SCS/HZL/AAQ/20240419/08(2/2)	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
A REPUTATION A	

### AMBIENT AIR QUALITY MONITORING REPORT

Name of Client Address of Client Date of Monitoring

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan : 19.04.2024

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

22.04.2024 30.04.2024 24 Hrs.

Type of Industry GPS Coordinate of the

Non-Ferrous Metal Industry

Location Ambient Temperature : 24°36′14.29″N 73°48'51.02"E : 35.4°C

Name of Location Parameter required RESULTS

: Near Environment Lab Area

: As

Parameter	Observed Value	Tv	
Arsenic (As)	Observed Value	Limit as per NAAQS	Protocol
Per pro SCS Foreign S	$< 5.5 \text{ ng} / \text{m}^3$	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 ... 1963 (Technical Manager) Authorised Signatory

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



180-1991;2015 CERTIFIED LABO 180-14901;2015 CERTIFIED LAB

Sample ID No · SCS/A A C COS AS A C COS AS A C COS AS A C COS AS A C C C C C C C C C C C C C C C C C	
Sample ID No.: SCS/AAQ/20240419/09	
Report No. SCS/HZL/AAQ/20240419/09(1/2)	Date of Registration: 19.04.2024
2,20240419/09(1/2)	
	Date of Report: 30.04.2024

#### AMBIENT AIR QUALITY MONITORING REPORT

Name of Client

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

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 19.04.2024

Date of start of testing Date of end of testing

22.04.2024 30.04,2024 24 Hrs.

Duration of sampling Type of Industry

Non-Ferrous Metal Industry

GPS Coordinate of the Location

24°36′26.59"N 73°48'50.67"E

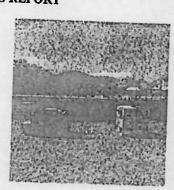
Ambient Temperature

35.7°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



RESULTS

Parameter	Observed Value	X 4	
Particulate Matter (PM10)		Limit as per NAAQS	Protocol
Particulate Matter (PM2.5)	54.9 μg/m <sup>3</sup>	$100  \mu g  /  m^3$	IS 5182 (Part 23)
Sulphur Dioxide (SO <sub>2</sub> )	$32.3  \mu g / m^3$	$60  \mu g  /  m^3$	IS 5182 (Part 24)
Oxide Of Nitrogen (NO <sub>X</sub> )	$7.2 \mu \text{g} /\text{m}^3$	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Ozone (O <sub>3</sub> )	11.6 μg/m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	45.0 μg / m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 9)
Ammonia (NH <sub>3</sub> )	687 μg / m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/013
ead (Pb)	36.0 μg / m <sup>3</sup>	$400  \mu g  /  m^3$	IS 5182 (Part 25)
Vickel (Ni)	$< 0.10  \mu g  /  m^3$	1 μg/m <sup>3</sup>	IS 5182 (Part 22)
Benzene (C <sub>6</sub> H <sub>6</sub> )	0.27 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzo(a)Pyrene (BaP)	< 1.0 μg / m <sup>3</sup>	$5 \mu g / m^3$	IS 5182 (Part 11)
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.,

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

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# SCS scs enviro services private limited

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

ISO-9001:2015 GERTIFIED LABORATORY ISO-14001:2015 GERTIFIED LABORATORY ISO-45001:2618 GERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/09 Report No. SCS/AAQ/20240419/09	ISO-14001:2015 CERTIFIED LAE ISO-45001:2018 CERTIFIED LAE
	Date of Registration: 19.04.2024
AMRIENT ATT ONLY	Date of Report: 30.04.2024

## AMBIENT AIR QUALITY 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

19.04.2024 22.04.2024 30.04.2024

Date of end of testing Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry

GPS Coordinate of the Location

24°36'26.59"N 73°48'50.67"E

Ambient Temperature Name of Location

35.7°C Near SRP Ground Area

Parameter required RESULTS

Parameter

Arsenic (As)

As

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

Per pro SCS Enviro Services Pvt. Ltd.,

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

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



 $20 \text{ ng/m}^3$ 

 $5 \mu g / m^3$ 

 $1 \text{ ng}/\text{m}^3$ 

Sample ID No.: SCS/AAQ/20240419/10	INCAMBITED LABOR
Report No. SCS/HZL/AAQ/20240419/10(1/2)	D. I. Committee of the
AAQ/20240419/10(1/2)	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024

## AMBIENT AIR QUALITY 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

19.04.2024 22.04.2024 30.04.2024

Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry

GPS Coordinate of the Location

24°36′07.51°N 73°49'05.65"E

Ambient Temperature Name of Location

: 36.0°C Near Solar Power Plant Area

Parameter required

RESULTS

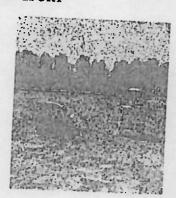
Benzene (C<sub>6</sub>H<sub>6</sub>)

Benzo(a)Pyrene (BaP)

Particulate phase only

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



IS 5182 (Part 26)

IS 5182 (Part 11)

IS 5182 (Part 12)

Parameter	01		MANAGER AND COMPANY OF THE
Particulate Matter (PM10)	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PM <sub>2.5</sub> )	30.8 μg/m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Sulphur Dioxide (SO <sub>2</sub> )	35.9 μg/m <sup>3</sup>	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Oxide Of Nitrogen (NOx)	7.6 μg/m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Ozone (O <sub>3</sub> )	$12.8  \mu g  /  m^3$	80 μg / m <sup>3</sup>	10 5102 (PRIT 2)
	59.0 μg/m <sup>3</sup>		IS 5182 (Part 6)
Carbon Monoxide (CO)	802 μg/m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 9)
Ammonia (NH <sub>3</sub> )	46.0 μg/m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/013
ead (Pb)	0.27 μg / m <sup>3</sup>	400 μg/m <sup>3</sup>	IS 5182 (Part 25)
Arsenic (As)	< 1.0 ng / m <sup>3</sup>	<u>l μg/m³</u>	IS 5182 (Part 22)
Vickel (Ni)	1.33 ng / m <sup>3</sup>	6 ng / m <sup>3</sup>	IS 5182 (Part 22)

1.33 ng/m<sup>3</sup>

 $< 1.0 \, \mu g / m^3$ 

 $< 1.0 \text{ ng} / \text{m}^3$ 

Per pro SCS Enviro Services Pvt. Ltd.,

mee Dr. D. S. Parihar All Un (Technical Manager) Authorised Signatory

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# SCS scs enviro services private limited

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

ISO-8001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240419/10	ISO-45001:2018 CERTIFIED LAB
Report No. SCS/HZL/AAQ/20240419/10(2/2)	Date of Registration: 19.04.2024
	Date of Report; 30.04.2024
AMRIPAT ATD OFF	3 44 OF REPORT: 30.04.2024

Limit as per NAAQS

б ng / m<sup>3</sup>

### AMBIENT AIR QUALITY MONITORING REPORT

Name of Client Address of Client Date of Monitoring Date of start of testing Date of end of testing

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan 19.04.2024 22.04.2024 30.04.2024 24 Hrs.

Duration of sampling Type of Industry GPS Coordinate of the

Non-Ferrous Metal Industry 24°36'07.51"N

Location Ambient Temperature 36.0°C

73°49'05.65"E

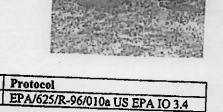
Observed Value

Name of Location Parameter required

Parameter

Near Solar Power Plant Area

RESULTS



Arsenic (As)  $< 5.5 \text{ ng} / \text{m}^3$ Per pro SCS Enviro Services Pvt. Ltd.,

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

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SCS scs enviro services private limited 7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216



TC-13363

Sample ID No.: SCS/AAQ/20240419/11	TOUNGS 1:2018 CERTIFIED LABOR
Report No. SCS/HZL/AAQ/20240419/11(1/2)	Data of D
AAQ/20240419/11(1/2)	Date of Registration: 19.04.2024
	Date of Report: 30.04,2024

### AMBIENT AIR QUALITY 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

19.04.2024 22.04.2024 30.04.2024

Duration of sampling Type of Industry

24 Hrs.

GPS Coordinate of the Location

Non-Ferrous Metal Industry 24°36′19.33″N 73°49'18.41"E

Ambient Temperature Name of Location

RESULTS

: 36.3°C

Parameter required

: Near ETP / R O Plant 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



Parameter	Observed Value	I imit as now NA A CO	<del></del>
Particulate Matter (PM <sub>10</sub> )	60.6 μg / m <sup>3</sup>	PATTINAQU	Protocol
Particulate Matter (PM2.5)		$100  \mu g  /  m^3$	IS 5182 (Part 23)
Sulphur Dioxide (SO2)	$35.9  \mu g / m^3$	$60  \mu g  /  m^3$	IS 5182 (Part 24)
oxide Of Nitrogen (NO <sub>X</sub> )	8.2 μg/m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Dzone (O <sub>3</sub> )	15.0 μg/m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	47.0 μg / m <sup>3</sup>	100 μg/m <sup>3</sup>	IS 5182 (Part 9)
mmonia (NH <sub>3</sub> )	802 μg/m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/013
cad (Pb)	37.0 μg / m <sup>3</sup>	$400  \mu g  /  m^3$	IS 5182 (Part 25)
ickel (Ni)	0.18 μg/m³	$1 \mu g/m^3$	IS 5182 (Part 22)
enzene (C <sub>6</sub> H <sub>6</sub> )	0.59 ng / m <sup>3</sup>	$20 \text{ ng/m}^3$	IS 5182 (Part 26)
enzo(a)Pyrene (BaP)	< 1.0 μg/m <sup>3</sup>	5 μg/m <sup>3</sup>	IS 5182 (Part 11)
articulate phase only	$< 1.0 \text{ ng/m}^3$	l ng/m <sup>3</sup>	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar, J. J. UR (Technical Manager) Authorised Signatory

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

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

Sample ID No.: SCS/AAQ/20240419/11	130-14801:2015 CERTIFIED LABO 180-45001:2018 CERTIFIED LABO
Report No. SCS/HZL/AAQ/20240419/11(2/2)	Date of Registration: 19.04.2024
	Date of Report; 30.04.2024
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### 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 19.04.2024

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

22.04.2024 30.04.2024 24 Hrs.

Type of Industry GPS Coordinate of the

Non-Ferrous Metal Industry

Location

24°36′19.33°N 73°49'18.41"E

Ambient Temperature Name of Location

36.3°C : Near ETP / R O Plant Area

Parameter required

RESULTS Parameter Observed Value | Limit as per NAAQS Arsenic (As) Protocol  $< 5.5 \text{ ng} / \text{m}^3$ 6 ng / m3 EPA/625/R-96/010a US EPA IO 3.4 Per pro SCS Enviro Services Pvt. Ltd.,

10000e Dr. D. S. Parihar, JASPUT (Technical Manager) Authorised Signatory

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SCS scs enviro services private limited 7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216



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

### Ambient air quality 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

30.08,2024 02.09.2024 06.09.2024

Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry

GPS Coordinate of the Location

24°36′14.29"N 73°48′51.00″E

Ambient Temperature Name of Location

27.1°C Near Environment Lab Area

Parameter required PM10, PM2.5, SO2, NO, O3, CO, NH3, Pb, Ni, Benzene, B(a)P

RESULTS

Particulate Matter (PM <sub>10</sub> )	Observed Value	Limit as per NAAQS	Tp., .
Particulate Matter (PM <sub>10</sub> )	62.0 μg / m <sup>3</sup>	100 μg / m <sup>3</sup>	Protocol
Sulphur Dioxide (SO <sub>2</sub> )	36.5 μg / m <sup>3</sup>		IS 5182 (Part 23)
Ovide Of Nile	12.1 μg / m <sup>3</sup>	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Oxide Of Nitrogen (NO <sub>X</sub> )	,20.5 μg / m <sup>3</sup>	80 µg / m <sup>3</sup>	IS 5182 (Part 2)
Ozone (O <sub>3</sub> )	48.0 μg / m <sup>3</sup>	80 µg/m³	IS 5182 (Part 6)
Carbon Monoxide (CO)		100 μg / m <sup>-3</sup>	IS 5182 (Part 9)
Ammonia (NH <sub>3</sub> )	916 μg/m <sup>3</sup>	2,000 μg / m	SCS/SOP/AAQ/013
Lead (Pb)	39.0 μg / m <sup>3</sup>	400 μg / m·	IS 5182 (Part 25)
Nickel (Ni)	0.26 μg / m <sup>3</sup>	1 μg/m <sup>3</sup>	IS 5182 (Part 22)
Benzene (C <sub>6</sub> H <sub>6</sub> )	1.92 ng/m <sup>3</sup>	20 ng/m <sup>3</sup>	IS 5182 (Part 26)
Benzo(α)Pyrene (BaP)	< 1.0 μg/m <sup>3</sup>	5 μg / m <sup>3</sup>	IS 5182 (Part 11)
Particulate phase only	< 1.0 ng/m <sup>3</sup>	1 ng/m³	IS 5182 (Part 12)

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

Jeones



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

ISO-4681:2618 CERTIFIED LABORATORY ISO-14661:2818 CERTIFIED LABORATORY ISO-46861:2618 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240830/02	
Date of F	legistration: 30.08.2024
Dat	e of Report: 06.09.2024

### AMBIENT AIR QUALITY MONITORING REPORT

6 ng / m3

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

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

: 02.09.2024 06.09.2024 24 Hrs.

Type of Industry GPS Coordinate of the

Non-Perrous Metal Industry

Location

24°36'14.29"N 73°48'51.00"E

Ambient Temperature Name of Location

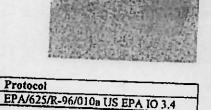
27.1°C

Parameter required

Parameter

Near Environment Lab Area

RESULTS



Observed Value | Limit as per NAAQS Arsenic (As) < 5.5 ng/m<sup>3</sup> Per pro SCS Enviro Services Pvt. Ltd...

Joanne

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



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



Sample ID No.: SCS/AAQ/20240830/03  Report No. SCS/HZL/AAQ/20240830/03(1/2)	Date of Registration: 30.08.2024
11.1.4724240830/03(1/2)	Date of Report: 06.09.2024

#### AMBIENT AIR QUALITY MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring Date of start of testing

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024 02.09.2024

Date of end of testing Duration of sampling Type of Industry

06.09.2024 24 Hrs.

GPS Coordinate of the

Non-Ferrous Metal Industry 24°36'26.39"N

Location Ambient Temperature

73°48'50.85"E 26.5°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



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			_

Parameter Particulate Material	Observed Value	Limit as per NAAQS	
Particulate Matter (PM <sub>10</sub> )	50.6 μg/m <sup>3</sup>	- things	Protocol
Particulate Matter (PM2.5)	29.9 μg/m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Sulphur Dioxide (SO <sub>2</sub> )		60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Oxide Of Nitrogen (NOx)	6.9 μg/m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Ozone (O <sub>3</sub> )	11.2 μg/m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	40.0 μg/m <sup>3</sup>	$100  \mu g / m^3$	IS 5182 (Part 9)
Ammonia (NH <sub>3</sub> )	687 μg / m <sup>.1</sup>	2.000 μg / m <sup>3</sup>	SCS/SOP/AAQ/013
Lead (Pb)	35.0 μg / m <sup>3</sup>	$400  \mu g  /  m^3$	IS 5182 (Part 25)
Nickel (Ni)	0.10 μg/m <sup>3</sup>	1 μg / m <sup>3</sup>	IS 5182 (Part 22)
Benzene (C <sub>6</sub> H <sub>6</sub> )	0.16 ng/m <sup>3</sup>	20 ng/m <sup>3</sup>	IS 5182 (Part 26)
Benzo(α)Pyrene (BaP)	< 1.0 μg/m <sup>3</sup>	5 μg/m <sup>3</sup>	IS 5182 (Part 11)
Particulate phase only	< 1.0 ng / m <sup>3</sup>	l ng/m <sup>3</sup>	IS 5182 (Part 12)

Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 



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

Sample ID No.: SCS/AAQ/20240830/03	
Report No. SCS/HZL/AAQ/20240830/03(2/2)	Date of Registration: 30.08.2024
350/65(2/2)	Date of Report: 06.09.2024

### AMBIENT AIR QUALITY MONITORING REPORT

6 ng/m<sup>3</sup>

Protocol

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

30.08.2024 02.09.2024

Date of end of testing Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry

GPS Coordinate of the Location

24°36'26.39"N

Ambient Temperature

73°48'50.85"E 26.5°C

06.09.2024

Name of Location Parameter required

Parameter

Near SRP Ground Area

RESULTS



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

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

Per pro SCS Enviro Services Pvt. Ltd.,

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



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



TC-13363

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

### AMBIENT AIR QUALITY MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024 02.09.2024 06.09.2024

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

24 Hrs. Non-Ferrous Metal Industry

Type of Industry GPS Coordinate of the Location

24°36'07.65"N

Ambient Temperature

73°49'06.16"E 26.8°C

Name of Location Parameter required

RESULTS

Near Solar Power Plant 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



Parameter	Observed Value		
Particulate Matter (PM10)		Limit as per NAAQS	Protocol
Particulate Matter (PM2.5)	53.0 μg/m <sup>3</sup>	100 µg / m <sup>3</sup>	IS 5182 (Part 23)
Sulphur Dioxide (SO <sub>2</sub> )	38.1 μg / m <sup>3</sup>	60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Oxide Of Nitrogen (NO <sub>X</sub> )	7.2 μg / m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Ozone (O <sub>1</sub> )	11.6 μg/m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 6)
Carbon Monoxide (CO)	51.0 μg/m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 9)
Ammonia (NH <sub>3</sub> )	687 μg / m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/013
cad (Pb)	42.0 μg / m <sup>3</sup>	400 μg / m <sup>3</sup>	IS 5182 (Part 25)
Arsenic (As)	0.19 μg/m <sup>3</sup>	1 μg / m <sup>3</sup>	IS 5182 (Part 22)
Vickel (Ni)	< 1.0 ng / m <sup>3</sup>	6 ng/m³	IS 5182 (Part 22)
Benzene (C <sub>6</sub> H <sub>6</sub> )	1.08 ng / m <sup>3</sup>	20 ng / m <sup>3</sup>	IS 5182 (Part 26)
Benzo(α)Pyrene (BaP)	< 1.0 μg / m <sup>3</sup>	5 μg / m <sup>3</sup>	IS 5182 (Part 11)
articulate phase only	< 1.0 ng / m <sup>3</sup>	l ng/m <sup>3</sup>	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,

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



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

ISO-8601:2015 CERTWIED LABORATORY ISO-14661:2015 CERTWIED LABORATORY ISO-46601:2015 CERTWIED LABORATORY

Sample ID No - SCC	The second section of the second seco
Sample ID No.: SCS/AAQ/20240830/04	
Report No. SCS/HZL/AAQ/Z0240830/04(2/2)	Date of Pasing It
47.20240830/04(2/2)	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024
AMDERNA	7 01 01 010,07.2024

### AMBIENT AIR QUALITY MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring Date of start of testing

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024 02.09,2024

Date of end of testing Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry

GPS Coordinate of the Location

24°36'07.65"N 73°49'06.16"E

06.09.2024

Ambient Temperature Name of Location

: 26.8°C Near Solar Power Plant Area

Parameter required RESULTS

: As

Notice to the same of the same	
Protocol	

Parameter Observed Vol. 174	
Arsenic (As)  Observed Value Lim  5.5 ng/m³	it as per NAAQS   Protocol
Per pro SCS Enviro Services Pvt. Ltd.,	6 ng / m <sup>3</sup> EPA/625/R-96/010a US EPA 10 3.4
A Pro oco Chano Services Pat' Tiq"	- 10 OF A 10 1,4

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



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TC-13363

Sample ID No. SCOUL	TANKO LANGO
Sample ID No.: SCS/AAQ/20240830/05	
Report No. SCS/HZL/AAQ/20240830/05(1/2)	Date of Date
<del>2/2-02-08:30/05(1/2)</del>	Date of Registration: 30.08.2024
	Date of Report: 06.09,2024
	2400012. 00.09.2024

### AMBIENT AIR QUALITY 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

30.08.2024 02.09.2024 06.09.2024

Duration of sampling Type of Industry

24 Hrs. Non-Ferrous Metal Industry 24°36'19.57"N

GPS Coordinate of the Location

73°49'18.16"E 27.1°C

Ambient Temperature Name of Location Parameter required

Near ETP / R O Plant Area

PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>3</sub>, O<sub>3</sub>, CO, NH<sub>3</sub>, Pb, Ni,

Benzene, B(a)P



1400000	zene, B(a)P	10,141	
Parameter Particulate Matter (PM <sub>10</sub> )	Observed Value	Limit as per NAAQS	Protocol
Particulate Matter (PMax)	56.5 μg/m <sup>3</sup>	100 μg / m <sup>3</sup>	IS 5182 (Part 23)
Sulphur Dioxide (SO <sub>2</sub> )	34.4 µg / m <sup>3</sup>	. 60 μg / m <sup>3</sup>	IS 5182 (Part 24)
Oxide Of Nitrogen (NO <sub>X</sub> ) Ozone (O <sub>3</sub> )	7.8 µg/m <sup>3</sup> 13.6 µg/m <sup>3</sup>	80 μg / m <sup>3</sup>	IS 5182 (Part 2)
Carbon Monoxide (CO)	44.0 μg/m <sup>3</sup>	80 μg / m <sup>3</sup> 100 μg / m <sup>3</sup>	IS 5182 (Part 6) IS 5182 (Part 9)
Ammonia (NH <sub>3</sub> )	687 μg/m <sup>3</sup>	2,000 μg / m <sup>3</sup>	SCS/SOP/AAQ/013
Lead (Pb)	36.0 μg / m <sup>3</sup> 0.15 μg / m <sup>3</sup>	400 μg/m <sup>3</sup>	IS 5182 (Part 25)
Nickel (Ni) Benzene (C <sub>6</sub> H <sub>6</sub> )	0.86 ng / m <sup>3</sup>	1 μg / m <sup>3</sup>	IS 5182 (Part 22)
Benzo(α)Pyrene (BaP)	1.0 μg/m <sup>3</sup>	20 ng / m <sup>3</sup> 5 µg / m <sup>3</sup>	IS 5182 (Part 26) IS 5182 (Part 11)
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

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



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

1001:2015 CERTIFIED LABORA 14001:2015 CERTIFIED LABORI 16001:2018 CERTIFIED LABORI

Sample ID No.: SCS/AAQ/20240830/05	180-4500 (2818 CERTIFIED LAND
Report No. SCS/HZL/AAQ/20240830/05(2/2)	Date of Registration: 30.08.2024
AMRIPAT	Date of Report: 06.09.2024

### AMBIENT AIR QUALITY 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

30.08.2024 02.09.2024 06.09.2024

Duration of sampling Type of Industry GPS Coordinate of the

24 Hrs. Non-Ferrous Metal Industry

Location

24°36'19.57"N 73°49'18.16"E

Ambient Temperature Name of Location

27.1℃ Near ETP / R O Plant Area

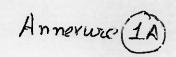
Parameter required

RESULTS Parameter Observed Value | Limit as per NAAQS Arsenic (As) Protocol < 5.5 ng/m<sup>3</sup> Per pro SCS Enviro Services Pvt. Ltd. 6 ng / m3 EPA/625/R-96/010a US EPA IO 3.4





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SCS scs enviro services private limited 7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216



Sample ID No.: SCS/SE/20240419/19	
Report No. SCS/HZL/SE/20240419/19	Date of Registration: 19.04.2024
5.2.20240417/17	Date of Report: 30.04.2024

#### 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 Duration of sampling

19.04.2024 22.04.2024 30.04.2024 : 30 Minutes

Type of Industry Weather conditions Name of Location

: Non-Ferrous Metal Industry

: Sunny

Parameter required

Stack Attached to Roaster III SO2 & Acid Mist Sulphuric Acid

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

Per pro SCS Enviro Services Pvt. Ltd.,

( 0000e Dr. D. S. Parihari (Technical Manager) Authorised Signatory

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



#FO-9091201# CERTIFIED LABORATORY ISO-14881:201# CERTIFIED LABORATORY ISO-48881:201# CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240419/20	. 180-45812818 CERTWIED LABO
Report No. SCS/HZL/SE/20240419/20	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
O'D A COVE DATE	

#### 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 Date of end of testing

19.04.2024 22.04.2024 30.04.2024

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 SO2 & Acid Mist Sulphuric Acid

Parameter	. 302 & Acid Mist Sulphuric Acid	
Sulphur Di Oxide as SO2	Observed Value	
Acid Miss Colored as SO2	193.7 Mg/M³	Protocol
Acid Mist Sulphuric Acid	28.5 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Per pro SCS Envire Services Pvt. Ltc	20.3 Mg / M <sup>2</sup>	SCS/SOP/SE/28
THE PERMITS PAY THE	,	

Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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SCS scs enviro services private limited 7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216



TC-13363

ISO-0001:2815 CERTIFIED LABORATORY 180-14661:2816 CERTIFIED LABORATORY ISO-46661:2816 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240523/10	180-45601:2016 CERTIFIED LABO
Report No. SCS/HZL/SE/20240523/10	
SE/20240523/10	Date of Registration: 23.05.2024
	Date of Report: 31.05.2024
STACK MONITON	The area

#### STACK MONITORING REPORT

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

24.05.2024 Date of start of testing Date of end of testing : 25.05,2024 Duration of sampling : 31.05.2024 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

T at atteffel	307 & Acid Mist Sulphuric Acid	
Sulphur Di Oxide as SO2	Observed Value	Duration
Acid Mist Sulphuric Acid	180.6 Mg / M <sup>3</sup>	Protocol
Per COR P	28.1 Mg / M <sup>3</sup>	IS 11255 (Part 2)
Per pro SCS Enviró Services Pyt Ltd.,		SCS/SOP/SE/28
Id.,		

Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 

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JAIPUR



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



TC-13363

Report No. SCS/SE/2024	10523/11	190-4686 (12816 GERTIFIED LABO
Report No. SCS/HZL/SE/202		e of Registration: 23.05.2024
		Date of Report: 31.05.2024
Name of Client	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 : 24.05.2024 Date of end of testing : 25.05,2024

Duration of sampling : 31.05.2024 Type of Industry 30 Minutes

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	SO2 & Acid Mist Sulphuric Acid	
Sulphur Di Oxide as SO2	Observed Value	
Acid Mist Sulphuric Acid	171.4 Mg / M <sup>3</sup>	Protocol
A Supriuric Acid		IS 11255 (Part 2)
Per pro SCS Enviro Services Pvt. Ltd	29.0 Mg / M <sup>3</sup>	SCS/SOP/SE/28
TOTAL LIG		110226

Dr. D. S. Parihar (Technical Manager)

**Authorised Signatory** 



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



TC-13363

Sample ID No. SCO.	ISO-45461:2618 GERTFIED LANC
Sample ID No.: SCS/SE/20240622/32  Report No. SCS/HZL/SE/20240622/32	
SCS/HZLJSE/20240622/32	Date of Registration: 22.06.2024
	Date of Report: 02.07.2024
STACK MONUMO	PULL 02.01.2024

#### STACK MONITORING REPORT

Name of Client Address of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan 22.06.2024

Date of Monitoring Date of start of testing Date of end of testing 24.06.2024 Duration of sampling 02.07.2024 30 Minutes Type of Industry

: Non-Ferrous Metal Industry Weather conditions

: Sunny Name of Location : Stack Attached to Roaster II Parameter required SO2 & Acid Mist Sulphuric Acid

Parameter	. 501 & Acid Mist Sulphuric Acid	
Sulphur Di Oxide as SO <sub>2</sub>	Observed Value	<del></del>
Acid Mist Sulphuric Acid	165.9 Mg/M <sup>3</sup>	Protocol
	2000	IS 11255 (Part 2)
Per pro SCS Enviro Services Pvt. Ltd.,	25.5 Mg / M <sup>3</sup>	SCS/SOP/SE/28
Total Tyt. Ltd.,		

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



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



Sample ID M.	190-19601(2018 CERTIFIED LABO
Sample ID No.: SCS/SE/20240622/33	
	242 - 672
	ate of Registration: 22.06.2024
	Date of Report: 02.07.2024
STACK MONIMO	314. 02.07.2024

#### 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 Duration of sampling

22.06.2024 24.06.2024 02.07.2024 30 Minutes

Type of Industry Weather conditions

: Non-Ferrous Metal Industry

: Sunny

Name of Location : Stack Attached to Roaster III Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

ulphur Di Oxide as SO2	Observed Value	
Acid Miet Cul-L	188.9 Mg / M <sup>3</sup>	Protocol
Acid Mist Sulphuric Acid	20 424 444	IS 11255 (Part 2)
Per pro SCS Enviro Services Pvt. Ltd.,	28.4 Mg / M <sup>3</sup>	SCS/SOP/SE/28

Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 



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



190-6001:2015 CERTIFIED LABORATO 190-14001:2015 CERTIFIED LABORATI 190-46001:2010 CERTIFIED LABORATI

Samula VD AV	ISO-49091;2019 CERTIFIED LABO
Sample ID No.: SCS/SE/20240730/13	
Report No. SCS/HZL/SE/20240730/13	Date of Registration; 30.07.2024
	Date of Report: 06.08.2024
STACK MONITOR	0. Report: 00.08.2024

### STACK MONITORING REPORT

Name of Client Address of Client Date of Monitoring

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan 30.07.2024

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

01.08.2024 06,08.2024 30 Minutes

Type of Industry Weather conditions

: Non-Ferrous Metal Industry

Sunny Name of Location Parameter required

: Stack Attached to Roaster II : SO2 & Acid Mist Sulphuric Acid

Parameter	. 302 & Acid Mist Sulphuric Acid	
Sulphur Di Oxide as SO2	Observed Value	
Acid Mist Sulah	155.4 Mg / M <sup>3</sup>	Protocol
Acid Mist Sulphuric Acid	22034-1343	IS 11255 (Part 2)
Per pro SCS Enviro Services Pvt. Ltd.	22.0 Mg / M°	SCS/SOP/SE/28
Scialces LAT Tid		

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

Authorised Signatory

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



18 O-0001;2015 CERTIFIED LABOR 18 O-14003;2015 CERTIFIED LABOR 18 O-45003;2015 CERTIFIED LABOR

Sample ID No. SCOURT	190-45001:2018 CERTIFIED LAB
Sample ID No.: SCS/SE/20240730/14 Report No. SCS/HZL/SE/20240730/14	
SGG112L/SE/20240730/14	Date of Registration: 30.07.2024
STACK MONTH	Date of Report: 06.08.2024

### STACK MONITORING REPORT

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

31.07.2024 Date of start of testing Date of end of testing 01.08.2024 06.08.2024 Duration of sampling 30 Minutes Type of Industry

: Non-Ferrous Metal Industry Weather conditions

: Sunny Name of Location : Stack Attached to Roaster III Parameter required : SO<sub>2</sub> & Acid Mist Sulphuric Acid

ulphur Di Oxide as SO2	Observed Value	
rid Mist Cul-1	174.6 Mg / M <sup>3</sup>	Protocol
cid Mist Sulphuric Acid		IS 11255 (Part 2)
Per pro SCS Enviro Services Pvt. Ltd.	26.9 Mg / M <sup>3</sup>	SCS/SOP/SE/28

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

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This report in full or in part, shall not be used for advertising or as evidence in any court of law.

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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-0001:2015 CERTIFIED LABORAT ISO-14001:2015 CERTIFIED LABORA ISO-46001:2012 CERTIFIED LABORA

Sample ID No.: SCS/SE/20240830/13	ISO-45001;2012 CERTIFIED LABO
Date Date Date Date Date Date Date Date	e of Registration: 30.08.2024
	Date of Report: 06.09.2024
STACK MONITORING	

### STACK MONITORING REPORT

Name of Client Address of Client

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

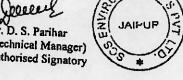
Date of Monitoring Date of start of testing 31.08.2024 Date of end of testing 02.09.2024 06.09.2024 Duration of sampling Type of Industry 30 Minutes

: Non-Ferrous Metal Industry Weather conditions

: Sunny Name of Location : Stack Attached to Roaster III Parameter required SO2 & Acid Mist Sulphuric Acid

Parameter	Acid Mist Sulphuric Acid	
Sulphur Di Oxide as SO2	Observed Value	
Acid Mist Cul. 1	193.7 Mg / M <sup>3</sup>	Protocol
Acid Mist Sulphuric Acid	20.00	IS 11255 (Part 2)
Per pro SCS Enviro Services Pir bid	28.9 Mg / M <sup>3</sup>	SCS/SOP/SE/28
Pin Services PM. Frd		OC 0/301/30/28

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



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



TC-13363

Sample ID Av.	ISC-18001:2018 CERTIFIED LANC
Sample ID No.: SCS/SE/20240830/14	
Report No. SCS/HZL/SE/20240830/14	Date of Paris
3340050/14	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024
CT A COLUMN	200712024

### 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 31.08.2024 Date of end of testing 02.09.2024 Duration of sampling 06.09.2024 Type of Industry

30 Minutes : 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

- A MANAGET	002 & Acid Mist Sulphuric Acid	
Sulphur Di Oxide as SO2	Observed Value	B
Acid Mist Sulphuric Acid	184.4 Mg / M <sup>3</sup>	Protocol
	7777	IS 11255 (Part 2)
Per pro SCS Enviro Services Pvt. Ltd.,		SCS/SOP/SE/28

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



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



Sample ID No.: SCS/SE/20240917/17	ISO-460012018 CERTIFIED LANC
Report No. SCS/HZL/SE/20240917/17	Date of Registration: 17.09.2024
CTA CVI	Date of Report: 29.09.2024

## STACK MONITORING REPORT

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

Date of start of testing 18.09.2024 Date of end of testing 19.09.2024 Duration of sampling 29.09.2024 30 Minutes Type of Industry

: Non-Ferrous Metal Industry Weather conditions Sunny

JAIFUR

Name of Location Stack Attached to Roaster III Parameter required SO<sub>2</sub> & Acid Mist Sulphuric Acid

Sulphur Di Oxide as SO <sub>2</sub>	Observed Value	
Acid Mist Sul 1	182.0 Mg / M <sup>3</sup>	Protocol
Acid Mist Sulphuric Acid		IS 11255 (Part 2)
Per pro SCS Enviro Services Pvt. Ltd	24.5 Mg / M <sup>3</sup>	SCS/SOP/SE/28

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

Authorised Signatory

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



Sample ID No. Conve	
Sample ID No.: SCS/SE/20240917/18	
Report No. SCS/HZL/SE/20240917/18	Date of Darty
31/2024091//18	Date of Registration: 17.09.2024
	Date of Report: 29.09.2024
	10011, 27,07,2024

### 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

17.09.2024 : 19.09.2024 29.09.2024

Duration of sampling Type of Industry Weather conditions

30 Minutes : Non-Ferrous Metal Industry

: Sunny Name of Location

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

Parameter	Total Mist Sulphune Acid	
Sulphur Di Oxide as SO <sub>2</sub>	Observed Value	Protocol
Acid Mist Sulphuric Acid	192.0 Mg/M <sup>3</sup>	IS 11255 (Part 2)
Per pro SCS Enviro Services Pyt-Ltd.,	23.0 Mg / M <sup>3</sup>	SCS/SOP/SE/28
Pro DOS ENVIROS ENVICES PAY LIG.,		

Jeceus D. D. S. Parihar

(Technical Manager) **Authorised Signatory** 

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

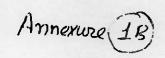
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JAIFUR





SCS scs enviro services private limited 7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA)



TC-13363

CIN NO.: U74140RJ2013PTC042216 Sample ID No.: SCS/SE/20240419/16 Report No. SCS/HZL/SE/20240419/16

Date of Registration: 19.04.2024 Date of Report: 30.04.2024

### STACK MONITORING REPORT

Name of Client Address of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan 19.04.2024

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

22.04.2024 30.04.2024 : 30 Minutes

Type of Industry Weather conditions

: Non-Ferrous Metal Industry

Sunny

Name of Location Parameter required

Particulate Matter (PM)

Stack Attached to Azex Furnace

PM

RESULTS Parameter

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

Per pro SCS Enviro Services Pvt. Ltd.,

nonce Dr. D. S. Parihar (Technical Manager) Authorised Signatoryco

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



TC-13363

190-908122016 CERTIFIED LABOR 180-1460123016 CERTIFIED LABOR 180-4800122018 CERTIFIED LABOR

Sample ID No.: SCS/SE/20240419/1			ISO-48991:2018 CERTIFIED LABOR
Report No. SCS/HZL/SE/20240419/1			
505/11ZLJ8E/20240419/	17	Date of Regi	stration: 19.04.2024
		Date of	Report: 30.04.2024
	STACK		

## 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

20.04.2024 22.04.2024 : 30.04.2024

Date of end of testing Duration of sampling Type of Industry Weather conditions

30 Minutes Non-Ferrous Metal Industry

Sunny

Name of Location Parameter required

Stack Attached to Zinc Melting and Slag Grinding

RESULTS

rticulate Matter (PM)	Observed Value	
er pro SCS Enviro Services Pvt. La	20.0	Protocol

(1000gie Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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



TC-13363

Sample ID No : SCS (ON the control of the control o	ISO-45501:28 IS CERTWIED LABOR
Sample ID No.: SCS/SE/20240419/18	
	Date of Parishaut
	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
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### 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 20.04.2024 22.04.2024

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

30.04.2024 30 Minutes

Type of Industry Weather conditions Name of Location

: Non-Ferrous Metal Industry

Sunny

Parameter required RESULTS

Stack Attached to Induction Stack

PM

Parameter Particulate Matter (PM)

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

Per pro SCS Enviro Services Pvt. Ltd.,

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

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



TC-13363

Sample ID No. SCOON !-	ISO-48881(3018 GERTIFIED LABO
Sample ID No.: SCS/SE/20240523/07	
Report No. SCS/HZL/SE/20240523/07	Date of Pagintustic
	Date of Registration: 23.05.2024
	Date of Report: 31.05.2024
STACK MONUMENT	

## STACK MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring Date of start of testing

23.05.2024 25.05.2024 : 31.05.2024

Date of end of testing Duration of sampling Type of Industry

: 30 Minutes : Non-Ferrous Metal Industry

Weather conditions Name of Location

Parameter required

: Stack Attached to Azex Furnace : PM

RESULTS

Parameter Particulate Matter (PM)	Observed Value 25.6 mg / Nm <sup>3</sup>	Protocol
Per pro SCS Enviro Services Pvt. Ltd.,	2010 mg \ 141ft.	IS 11255 (Part 1)

Dr. D. S. Parihar (Technical Manager)



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



TC-13363

Sample ID No.: SCS/SE/20240523/08	IBO-450012010 CERTIFIED LABO
Report No. SCS/HZL/SE/20240523/08	
OUNTEL/SE/20240523/08	Date of Registration: 23.05.2024
	Date of Report: 31.05.2024
STACK MON	Monme

## 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 Duration of sampling

23.05.2024 25.05.2024 31.05.2024 30 Minutes

Type of Industry

Non-Ferrous Metal Industry

Weather conditions Name of Location

Sunny

Parameter required

Stack Attached to Zinc Melting and Slag Grinding

RESULTS Parameter Particulate Matter (PM)

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

Per pro SCS Enviro Services Pvt. Ltd.,

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



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



TC-13363

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

Date of Registration: 23.05.2024 Date of Report: 31.05.2024

## STACK MONITORING REPORT

Name of Client

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

Address of Client Date of Monitoring

23.05.2024 25.05.2024 31.05.2024

Date of start of testing Date of end of testing Duration of sampling Type of Industry

30 Minutes

Weather conditions

Non-Ferrous Metal Industry Sunny

Name of Location Parameter required

Particulate Matter (PM)

Stack Attached to Induction Stack

PM

RESULTS Parameter

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

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 



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



TC-13363

Protocol

IS 11255 (Part 1)

Sample ID No.: SCS/SE/20240622/29	ISO-4500123018 CERTIFIED LAB
I I I I I I I I I I I I I I I I I I I	Date of Registration: 22.06.2024
	Date of Report: 02.07.2024
STACK MONTHS	F 51 0 2.0 7.20 Z4

### 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 Duration of sampling

22.06.2024 24.06.2024 02.07.2024 30 Minutes

Type of Industry Weather conditions

Non-Ferrous Metal Industry

Name of Location

Sunny

Parameter required RESULTS

Stack Attached to Azex Furnace

28.3 mg / Nm<sup>3</sup>

PM

rarameter	<del></del>
Particulate Matter (PM)	Observed Value
Para Const	28.3 mg / Nm <sup>3</sup>

Per pro SCS Enviro Services Pvt. Ltd.,

Jeers Dr. D. S. Parihar

(Technical Manager) Authorised Signatory



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



180-1801/2016 GERTFIED LABORATORY 180-14081/2016 GERTFIED LABORATORY 180-46081/2016 GERTFIED LABORATORY

Sample ID No.: SCS/SE/20240622/30	ISO-4600125010 GENTFIED LABO
	Date of Registration: 22.06.2024
STACK MONTES	Date of Report: 02.07.2024

## STACK MONITORING REPORT

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

Date of start of testing 22.06.2024 Date of end of testing 24.06.2024 Duration of sampling : 02.07.2024 Type of Industry 30 Minutes

Non-Ferrous Metal Industry Weather conditions : Sunny Name of Location

: Stack Attached to Zinc Melting and Slag Grinding Parameter required RESULTS

Parameter		
Particulate Matter (PM)	Observed Value	2
Per pro SCS Enviro Services Pvt. Ltd	23.2 mg / Nm <sup>3</sup>	Protocol IS 11255 (Part 1)
Ltd	•	15 11233 (Part 1)

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



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



TC-13363

ISC-9081;2915 CERTIFIED LABORATOR: ISC-14091;2915 CERTIFIED LABORATOR ISC-15091;2915 CERTIFIED LABORATOR

Sample ID No. O.C.	INC-1886 (12818 CERTIFIED LAB
Sample ID No.: SCS/SE/20240622/31	
Report No. SCS/HZL/SE/20240622/31	Date of Registration: 22.06.2024
	Date of B
STACK MONUME	Date of Report: 02.07.2024

### 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 Duration of sampling

22.06.2024 24.06.2024 02.07.2024 30 Minutes

Type of Industry Weather conditions

: Non-Ferrous Metal Industry

: Sunny

Name of Location

: Stack Attached to Induction Stack

Parameter required : PM RESULTS

articulate Matter (PM)	Observed Value	
Per pro SCS Enviro Services Pvt. Ltd.,	280 - 121 1	Protocol IS 11255 (Part 1)

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



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



Sample ID No.: SCS/SE/20240730/10	INC14861:2016 CERTIFIED LABOR INC14861:2016 CERTIFIED LABOR
Report No. SCS/HZL/SE/20240730/10	D. Co
	Date of Registration: 30.07.2024
STACK MONITORING	Date of Report: 06.08.2024

## 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

30.07.2024 01.08.2024 06.08.2024 30 Minutes

Duration of sampling Type of Industry Weather conditions

: Non-Ferrous Metal Industry

Name of Location Sunny

Parameter required

Stack Attached to Azex Furnace PM

RESULTS

Parameter	
Particulate Matter (PM)	Observed Value
Per pro SCR E	
Per pro SCS Enviro Services Pvt. Ltd.,	IS 11255 (Part 1)
Comel	

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

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



TC-13363

ISO-8801:2015 CERTIFIED LABORATORY ISO-14801:2015 CERTIFIED LABORATOR ISO-45801:2015 CERTIFIED LABORATOR

G	CERTIFIED LABOR
Sample ID No - SCS/SD/GGG	
Sample ID No.: SCS/SE/20240730/11	
Report No. SCS/HZL/SE/20240730/11	Det. 42
112LJSE/20240730/11	Date of Registration: 30.07.2024
	D
	Date of Report: 06.08.2024
	55117 00.08.2024
CTA CYC >	

### 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

Date of start of testing

31.07.2024 01.08.2024 06.08.2024

Date of end of testing Duration of sampling Type of Industry

30 Minutes

Weather conditions

Non-Ferrous Metal Industry

Name of Location

Sunny

Parameter required RESULTS

Stack Attached to Zinc Melting and Slag Grinding

: PM

Parameter Particulate Matter (PM)

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

Per pro SCS Enviro Services Pvt. Ltd.,

Descerel Dr. D. S. Palihar JAPUR (Technical Manager) Authorised Signatory

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- 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-4601:2015 CERTIFIED LABORATORY ISO-44601:2015 CERTIFIED LABORATORY ISO-45801:2015 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/202		ISC-4500 1:2015 CERTIFIED LAB
Report No. SCS/HZL/SE/20	40730/12 240730/12	Date of D.
	-10/30/12	Date of Registration: 30.07.2024  Date of Report: 06.08.2024
Name of Client	STACK MONITORING RE	PORT

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

30.07.2024 01.08.2024 06.08.2024

Duration of sampling Type of Industry Weather conditions

30 Minutes Non-Ferrous Metal Industry

Sunny

Name of Location Parameter required

Stack Attached to Induction Stack

: PM

RESULTS

articulate Matter (PM)	Observed Value	•
modiate Watter (PM)	27.4 (1)	Protocol
er pro SCS Enviro Services Pvt.	27.4 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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



190-9001:2013 CERTIFIED LABORATOR 190-14001:2013 CERTIFIED LABORATO 180-46001:2016 CERTIFIED LABORATO

Sample ID No.: SCS/SE/20240830/10	
Report No. SCS/HZL/SE/20240830/10	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024

### STACK MONITORING REPORT

Name of Client 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 Duration of sampling

30.08.2024 02.09.2024 06.09.2024 30 Minutes

Type of Industry Weather conditions

: Non-Ferrous Metal Industry

Name of Location

Sunny

Parameter required

: Stack Attached to Azex Furnace

: PM RESULTS

Parameter		
Particulate Matter (PM)	Observed Value	Protocol
Per pro SCS Enviro Services Pvt. Ltd	23.0 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Pro des Elivilo Services Pvi Itd.,		

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



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



TC-13363

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

### STACK MONITORING REPORT

Name of Client Address of Client

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan 31.08.2024

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

02.09.2024 06.09.2024 30 Minutes

Type of Industry Weather conditions

Non-Ferrous Metal Industry

: Sunny

Name of Location Parameter required

Stack Attached to Zinc Melting and Slag Grinding

PM

RESULTS Parameter Particulate Matter (PM)

Observed Value	
	Protocol
25.5 mg / Nm <sup>-3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pyt\_Ltd.

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



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



TC-13363

MO-8601:2615 CERTIFIED LABORATORY MO-14001:2615 CERTIFIED LABORATORY MO-45001:2616 CERTIFIED LABORATORY

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

### STACK MONITORING REPORT

Name of Client Address of Client

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

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

31.08.2024 02.09.2024 06.09.2024

Type of Industry Weather conditions

: 30 Minutes : Non-Ferrous Metal Industry

: Sunny

Name of Location

: Stack Attached to Induction Stack

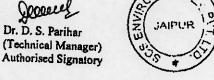
: PM

Parameter required RESULTS

Parameter	01	
Particulate Matter (PM)	Observed Value	Protocol
Per nee SCC T	20.7 mg / Nm <sup>3</sup>	IS 11255 (Part 1)

Per pro SCS Enviro Services Pyth

Dr. D. S. Parihar (Technical Manager)



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



TC-13363

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

### 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

17.09.2024 19.09.2024 29.09.2024

Duration of sampling Type of Industry Weather conditions

30 Minutes Non-Ferrous Metal Industry

Sunny

Name of Location Stack Attached to Azex Furnace

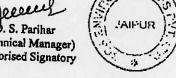
Parameter required : PM RESULTS

Parameter Particulate Matter (PM)

Observed Value Protocol 26.4 mg / Nm3 IS 11255 (Part 1)

Per pro SCS Enviro Services Put. Ltd.

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



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



TC-13363

ISO-8691/2016 CERTIFIED LABORATO ISO-14001/2015 CERTIFIED LABORAT ISO-46601/2016 CERTIFIED LABORAT

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

### STACK MONITORING REPORT

Name of Client Address of Client Date of Monitoring

M/s. Hindustan Zinc Limited, Zinc Smelter, Debari Village: Debari, Udaipur-313024, Rajasthan 18,09.2024 : 19.09.2024

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

29.09.2024 30 Minutes

Type of Industry Weather conditions

Non-Ferrous Metal Industry

Sunny

Name of Location Parameter required

Stack Attached to Zinc Melting and Slag Grinding

: PM

RESULTS

* wi sincle!	Ohear IV	
Particulate Matter (PM)	Observed Value	Protocol
	28.2 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Per pro SCS Enviro Services Patrilled		15 11255 (Part 1)

SCS Enviro Services Pyt: Ltd

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

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JAIPUR

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



ISO-9001/2913 CERTIFIED LABORATORY ISO-14001-2015 CERTIFIED LABORATORY ISO-42001/2018 CERTIFIED LABORATORY

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

### 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 Duration of sampling

17.09.2024 19.09.2024 29.09.2024 30 Minutes

Type of Industry Weather conditions

: Non-Ferrous Metal Industry

Name of Location

: Sunny Stack Attached to Induction Stack

Parameter required

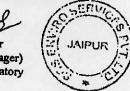
: PM

RESULTS Parameter Particulate Matter (PM)

	Observed Value		
23.3 mg / Nm <sup>3</sup>	Protocol	-	
	IS 11255 (Part 1)	-	

Per pro SCS Enviro Services Pvt. Ltd.,

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



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SCS scs enviro services private limited 7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216



TC-13363

180-4800112018 CERTIFIED LABOR
Date of Registration: 19.04.2024
Date of Report: 30.04.2024

### STACK MONITORING REPORT

Name of Client

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

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan : 19.04.2024

Date of start of testing Date of end of testing Duration of sampling Type of Industry

: 22.04.2024 30.04.2024 30 Minutes

Weather conditions

: Non-Ferrous Metal Industry

Name of Location

: Sunny : Stack Attached to MCTP

Parameter required

: PM & Lead RESULTS

Particulate Matter (PM)	Observed Value	
the diate Matter (PM)	16.8 mg / Nm <sup>3</sup>	Protocol
Lead as Pb		IS 11255 (Part 1)
Per pro SCS Enviro Services Pvt. Lt	0.14 mg / Nm <sup>3</sup>	USEPA Method 29

consect Dr. D. S. Pariliar (Technical Manager)

Authorised Signatory

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SCS scs enviro services private limited 7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216



TC-13363

ISC-8681:3616 CERTFIED LABORATORY ISC-14091:3616 CERTFIED LABORATORY ISC-46091:2616 CERTFIED LABORATORY

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

### STACK MONITORING REPORT

Name of Client

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

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan : 24.05.2024

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

: 25.05.2024 31.05.2024 : 30 Minutes

Type of Industry Weather conditions

: Non-Ferrous Metal Industry

Name of Location

: Sunny

Parameter required RESULTS

: Stack Attached to MCTP

: PM & Lead

Parameter	Ob 187.	
Particulate Matter (PM)	Observed Value	Protocol
Lead as Pb	20.3 mg / Nm <sup>3</sup>	IS 11255 (Part 1)
Leau as Po	0.10 mg / Nm <sup>3</sup>	
D 000 m · - ·		USEPA Method 29

Per pro SCS Enviro Services Pvt. Ltd.,

Joseph Dr. D. S. Parihar

(Technical Manager) **JAIPUR Authorised Signatory** 

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



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

### STACK MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 22.06.2024

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

24.06.2024 02.07.2024 30 Minutes

Type of Industry Weather conditions

Non-Perrous Metal Industry

: Sunny

Name of Location

: Stack Attached to MCTP

Parameter required RESULTS

: PM & Lead

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

Per pro SCS Enviro Services Pvt. Ltd.,

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



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



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

### 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 30.07.2024

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

01.08.2024 06.08.2024 30 Minutes

Type of Industry Weather conditions

Non-Ferrous Metal Industry

: Sunny

Name of Location Parameter required

: Stack Attached to MCTP

: PM & Lead RESULTS

Parameter Particulate Matter (PM)	Observed Value	
Tandarde Matter (PM)	26.5 mg / Nm <sup>3</sup>	Protocol
Lead as Pb		IS 11255 (Part 1)
Per pro SCS Enviro Services Pvt. L	0.16 mg / Nm <sup>3</sup>	USEPA Method 29

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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





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

### STACK MONITORING REPORT

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

Date of Monitoring 30.08.2024 Date of start of testing 02.09.2024 Date of end of testing 06.09.2024 Duration of sampling 30 Minutes

Type of Industry Non-Ferrous Metal Industry Weather conditions

Sunny Name of Location

Stack Attached to MCTP Parameter required : PM & Lead RESULTS

Parameter Observed Value Particulate Matter (PM) Protocol 18.5 mg/Nm<sup>3</sup> Lead as Pb IS 11255 (Part 1) 0.12 mg / Nm3 Per pro SCS Enviro Services Pvt. Ltd., **USEPA Method 29** 

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



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



TC-13363

USEPA Method 29

ISO-800 1:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-46001:1016 CERTIFIED LABORATORY

Sample ID No.: SCS/SE/20240917/13	
Report No. SCS/HZL/SE/20240917/13	Date of Registration: 17.09.2024
20021110	Date of Report: 29.09.2024

### 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 18.09.2024

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

19.09.2024 29.09.2024 30 Minutes

Type of Industry Weather conditions

Non-Ferrous Metal Industry

Sunny

Name of Location Parameter required

Stack Attached to MCTP

PM & Lead

RESULTS Parameter

Dentaral
Protocol
IS 11255 (Part 1)

Particulate Matter (PM) Lead as Pb mg/Nm 0.17 mg / Nm3 Per pro SCS Enviro Services Pyr. Ltd.

Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 

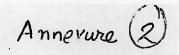
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SCS scs enviro services private limited 7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216



180-9691:3915 CERTIFIED LABORATORY 180-14691:2915 CERTIFIED LABORATORY 180-48091:3918 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/38	
Report No. SCS/HZL/W/20240419/38(1/2)	Date of Registration: 19.04.2024
10415158(112)	Date of Report: 30.04.2024

### **TEST REPORT**

Name of Client

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

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 20.04.2024

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

22.04.2024 30.04.2024

ETP Outlet Water Sample collected by SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland	Protocol
Total Suspended Solids	11 Mg/L	Surface Water	
pH value	8.38	100 Mg/L	APHA (24TH Edition) 2540D
BOD3Days at 27°C		5.5 to 9.0	
Chemical Oxygen Demand	10 Mg/L	30 Mg/L	IS 3025 (Part 44)
Oil & Grease	120 Mg/L	250 Mg/L	APHA (24TH Edition) 5220B
Cadmium (as Cd)	< 5.0 Mg/L	10 Mg/L	
Copper (as Cu)	< 0.01 Mg/L	2.0 Mg/L	APHA (24TH Edition) 3111B
Zinc (as Zn)	< 0.01 Mg/L	3.0 Mg/L	APHA (24TH Edition) 3111B
	0.13 Mg/L	5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Nickel (as Ni)	< 0.01 Mg/L	3 Mg/L	APHA (24TH Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	2 Mg/L	ADUA (24TH ENGO) 3[1]B
Cyanide (as CN)	< 0.02 Mg/L	0.2 Mg/L	APHA (24TH Edition) 4500SF
Mercury (as Hg)	< 0.001 Mg/L		APHA (24TH Edition) 4500CN C&F
Chloride as Cl	257.9 Mg/L	0.01 Mg/L	APHA (24TH Edition) 3112B
ron (as Fe)		-	APHA (24TH Edition) 4500 CI- B
Fluoride (as F)	0.12 Mg/L	3 Mg/L	APHA (24TH Edition) 3111B
Per pro SCS Enviro Services Dev. L.	0.53 Mg/L	2 Mg/L	APHA (24TH Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

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

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

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

Sample ID No.: SCS/W/20240419/38	19U-45001:2018 CERTIFIED LAB
Report No. SCS/HZL/W/20240419/38(2/2)	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024

### TEST REPORT

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 20.04.2024 22.04.2024

Date of start of testing Date of end of testing Details of Sample Sample collected by

30.04.2024 **ETP Outlet Water** SCS Representative

Parameter	Results	Standard Standard	
Lead (as Pb)		Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Per pro SCS Enviro Serv	V.01 Mg/L	0115.0	APHA (24TH Edition) 3111B

Coul Dr. D. S. Parihar

(Technical Manager)

Authorised Signatory

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



TC-13363

Sample ID No.: SCS/W/20240523/14	
Report No. SCS/HZL/W/20240523/14(1/2)	Date of Registration: 23.05.2024
	Date of Report: 31.05.2024

### TEST REPORT

Name of Client Address Client

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

Date of Sampling Date of start of testing

Village: Debari, Udaipur-313024, Rajasthan 24.05.2024 25.05.2024

Date of end of testing Details of Sample Sample collected by

31.05.2024 **ETP Outlet Water** SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland	Fiologoj
Total Suspended Solids	11 Mg/L	Surface Water	
pH value	8.64	100 Mg/L	
BOD3Days at 27°C		5.5 to 9.0	APHA (24TH Edition) 4500-H
Chemical Oxygen Demand	15 Mg/L	30 Mg/L	IS 3025 (Part 44)
Oil & Grease	109 Mg/L	250 Mg/L	APHA (24TH Edition) 5220B
Cadmium (as Cd)	< 5.0 Mg/L	10 Mg/L	APHA (24TH Edition) 5520 O&G B
Copper (as Cu)	< 0.01 Mg/L	2.0 Mg/L	APHA (24TH Edition) 3111B
Zinc (as Zn)	< 0.01 Mg/L	3.0 Mg/L	APUA (24THE HILL) STITIB
Nickel (as Ni)	0.10 Mg/L	5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Coletia (as IVI)	< 0.01 Mg/L		APHA (24TH Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	3 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Cyanide (as CN)	< 0.02 Mg/L	2 Mg/L	APHA (24TH Edition) 4500SF
Mercury (as Hg)	< 0.001 Mg/L	0.2 Mg/L	APHA (24TH Edition) 4500CN C&B
Chloride as C!	237.9 Mg/L	0.01 Mg/L	APHA (24TH Edition) 3112B
ron (as Fe)	010 Me/	-	APHA (24TH Edition) 4500 CI- B
luoride (as F)	0.10 Mg/L	3 Mg/L	APHA (24TH Edition) 3111B
er pro SCS Enviro Services Pvt. Lt	0.82 Mg/L		APHA (24 <sup>TII</sup> Edition) 4500F D

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

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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-901:2015 CERTIFIED LABORATORY ISO-14901:2015 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

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

### **TEST REPORT**

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 24.05.2024

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

25.05.2024 31.05.2024 ETP Outlet Water

Details of Sample : ETP Outlet Water Sample collected by : SCS Representative

;

Parameter	Results	Standard as per Schedule VI of the EP	Protocol
Lead (as Pb)	< 0.01 Mg/L	Act 1986 for Inland Surface Water	
Per COOP : 0	O.O.I. HIELD	0.1 Mg/L	APHA (24TI Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

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

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## SCS

## SCS ENVIRO SERVICES PRIVATE LIMITED

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



TC-13363

HO-9601;2016 CERTIFIED LABORATORY ISO-14001;2016 CERTIFIED LABORATORY HO-45001;2010 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240622/37	
Report No. SCS/HZL/W/20240622/37(1/2)	Date of Registration: 22.06.2024
TOTALIST (112)	Date of Report: 02.07.2024

### TEST REPORT

Name of Client Address Client

Sample collected by

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

Date of Sampling
Date of start of testing
Date of end of testing
Details of Sample

22,06,2024 24,06,2024

02.07.2024 ETP Outlet Water SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Total Suspended Solids	< 5 Mg/L	100 Mg/L	ADLIA (24TH P.IV. ) DOLOR
pH value	8.15	5.5 to 9.0	APHA (24TH Edition) 2540D
BOD3Days at 27°C	12 Mg/L	30 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500-H IS 3025 (Part 44)
Chemical Oxygen Demand	80 Mg/L	250 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	ADUA (24TH F. W. ) CEOO CO.
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	APHA (24TH Edition) 5520 O&G B
Copper (as Cu)	< 0.01 Mg/L		APHA (24TH Edition) 3111B
Zinc (as Zn)	0.10 Mg/L	3.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Nickel (as Ni)	< 0.01 Mg/L	5.0 Mg/L	APHA (24 <sup>th</sup> Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	3 Mg/L	APHA (24TH Edition) 3111B
Cyanide (as CN)		2 Mg/L	APHA (24TH Edition) 4500SF
Mercury (as Hg)	< 0.02 Mg/L	0.2 Mg/L	APHA (24TH Edition) 4500CN C&E
Chloride as Cl	< 0.001 Mg/L	0.01 Mg/L	APHA (24TH Edition) 3112B
Iron (as Fe)	219.9 Mg/L		APHA (24TH Edition) 4500 Cl- B
Fluoride (as F)	0.06 Mg/L	3 Mg/L	APHA (24TH Edition) 3111B
1001100 (831)	0.75 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

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



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

Sample ID No.: SCS/W/20240622/37	
D. 10. 3CS/W/2024002237	Date of Registration: 22.06.2024
Report No. SCS/HZL/W/20240622/37(2/2)	
	Date of Report: 02.07.2024

### TEST REPORT

Name of Client Address Client

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

Date of Sampling Date of start of testing

Village: Debari, Udaipur-313024, Rajasthan 22.06.2024

Date of end of testing Details of Sample Sample collected by

02.07.2024 ETP Outlet Water SCS Representative

24.06.2024

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.,

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

JAIPUR **Authorised Signatory** 

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SERVI



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



3363 (SO-0001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-14001:2016 CERTIFIED LABORATORY

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

#### **TEST REPORT**

Name of Client

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

Address Client

Village: Debari, Udaipur-313024, Rajasthan

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

31.07.2024 01.08.2024 06.08.2024

Details of Sample
Sample collected by

ETP Outlet Water SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Total Suspended Solids	< 5 Mg/L	100 Mg/L	APHA (24TH Edition) 2540D
pH value	7.89	5.5 to 9.0	APHA (24TH Edition) 4500-H
BOD3Days at 27°C	15 Mg/L	30 Mg/L	IS 3025 (Part 44)
Chemical Oxygen Demand	120 Mg/L	250 Mg/L	APHA (24 <sup>TII</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L	
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	
Copper (as Cu)	< 0.01 Mg/L	3.0 Mg/L	
Zinc (as Zn)	0.10 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	239.9 Mg/L	0.07 1/18/2	APHA (24 <sup>TH</sup> Edition) 4500 Cl- B
Iron (as Fe)	0.08 Mg/L	3 Mg/L	APHA (24 Edition) 3111B
Fluoride (as F)	0.92 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500F D

Per pro SCS Enviro Services Pvt. Ltd.,

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

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

LABORATORY
Date of Registration: 30.07.2024
Date of Report: 06.08.2024

### 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 Date of end of testing Details of Sample

31.07.2024 01.08.2024 06.08.2024

**ETP Outlet Water** Sample collected by SCS Representative

Parameter		representative	
	Results	Standard	
		Standard as per Schedule VI of the EP	*
Lead (as Pb)		Act 1986 for Inland Surface Water	Protocol
Per pro SCS Enviro S		0.1 Mg/L	APUA (OATHER III
Fra a con Titalia 2	ervices Pvt. Ltd		APHA (24 <sup>TII</sup> Edition) 3111B

Jeennel Dr. D. S. Parihar **JAIPUR** (Technical Manager) Authorised Signatory 7.2

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



Sample ID No. Con-	SO-18812018 CERTIFIED LABO
Sample ID No.: SCS/W/20240830/32	
Report No. SCS/HZL/W/20240830/32(1/2)	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024
	от керога; 00.09.2024

### 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 Date of end of testing Details of Sample Sample collected by

06.09.2024 ETP Outlet Water

31.08.2024

02.09.2024

Parameter	Results	T 2.	
T-w) G	Acsults	Standard as per Schedule VI of the EP Act 1986 for Inland	Lintocol
Total Suspended Solids	32 Mg/L	Surface Water	
pH value		100 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540D
BOD <sub>3Days at 27°C</sub>	7.75	5.5 to 9.0	APHA (24 <sup>TH</sup> Edition) 4500-H
Chemical Oxygen Demand	9 Mg/L	30 Mg/L	IS 3025 (Part 44)
Oil & Grease	80 Mg/L	250 Mg/L	APHA (24TH mark)
Cadmium (as Cd)	< 5.0 Mg/L	10 Mg/L	
Copper (as Cu)	< 0.01 Mg/L	2.0 Mg/L	APHA (24TH Edition) 5520 O&G B
Zinc (as Zn)	<: 0.01 Mg/L	3.0 Mg/L	APHA (24 <sup>th</sup> Edition) 3111B
Nickel (as Ni)	0.16 Mg/L	5.0 Mg/L	APHA (24 <sup>th</sup> Edition) 3111B
Sulphide (as S)	< 0.01 Mg/L	3 Mg/L	APHA (24TH Edition) 3111B
Cyanide (as CN)	< 0.5 Mg/L	2 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Mercury (as Hg)	0.02 Mg/L	0.2 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500SF
Chloride as Cl	< 0.001 Mg/L	0.01 Mg/L	APHA (24TH Edition) 4500CN C&F
ron (as Fe)	279.9 Mg/L		APHA (24 <sup>TH</sup> Edition) 3112B
Pluoride (as F)	0.15 Mg/L	3 Mg/L	APHA (24TH Edition) 4500 CI- B
	0.78 Mg/I		APHA (24TH Edition) 3111B
er pro SCS Enviro Services Pvt. Lt		2 Mg/L	APHA (24 <sup>TII</sup> Edition) 4500F D

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



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

460-4441/2618 CERTIFIED LABORATORY 18CI-14041/2015 CERTIFIED LABORATORY 18CI-45041/2016 CERTIFIED LABORATORY

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

#### 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
Date of end of testing
Details of Sample
Sample collected by

02.09.2024 06.09.2024 ETP Outlet Water SCS Representative

31.08.2024

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

Per pro SCS Enviro Services Put, Ltd.,

Dr. D. S. Parihar

(Technical Manager)
Authorised Signatory

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## SCS

## SCS ENVIRO SERVICES PRIVATE LIMITED

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



TC-13363

HO-4001:2015 CERTIFIED LABORATORY HO-4401:2015 CERTIFIED LABORATORY ISO-4501:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240917/21	Date of Registration: 17.09.2024
The same and the s	2 4 to 51 2 tegisti 4 tion: 17:07:2024
Report No. SCS/HZL/W/20240917/21(1/2)	Date of Report: 29,09,2024

#### 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
Date of end of testing

18.09.2024 19.09.2024 29.09.2024

Details of Sample : ETP Outlet Water
Sample collected by : SCS Representative

Parameter	Results	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol
Total Suspended Solids	8 Mg/L		APHA (24 <sup>Tli</sup> Edition) 2540D
pH value	8.68		APHA (24TH Edition) 4500-H
BOD3Days at 27°C	17 Mg/L	30 Mg/L	
Chemical Oxygen Demand	140 Mg/L	250 Mg/L	APHA (24 <sup>TII</sup> Edition) 5220B
Oil & Grease	< 5.0 Mg/L	10 Mg/L,	
Cadmium (as Cd)	< 0.01 Mg/L	2.0 Mg/L	APHA (24TH Edition) 3111B
Copper (as Cu)	< 0.01 Mg/L	3.0 Mg/L	
Zinc (as Zn)	0.29 Mg/L	5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B
Nickel (as Ni)	< 0.01 Mg/L	3 Mg/L	APHA (24TH Edition) 3111B
Sulphide (as S)	< 0.5 Mg/L	2 Mg/L	APHA (24TH 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	219.9 Mg/L		APHA (24TH Edition) 4500 CI- B
Iron (as Fe)	0.10 Mg/L	3 Mg/L	APHA (24 <sup>HI</sup> Edition) 3111B
Fluoride (as F)	0.55 Mg/L	2 Mg/L	

Per pro SCS Enviro Services Part. I

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

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

HO-0481:2018 CERTPIED LABORATORY BO-14001:2018 CERTPIED LABORATORY 100-4801:2010 CERTPIED LABORATORY

Sample ID No.: SCS/W/20240917/20	
Report No. SCS/HZL/W/20240917/20(2/2)	Date of Registration: 17.09.2024
11202-10711120(212)	Date of Report: 29.09.2024

#### 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
Date of end of testing
Details of Sample
Sample collected by

29.09.2024 ETP Outlet Water SCS Representative

18.09.2024

19.09.2024

Parameter	Results	6	
Acauns	Standard as per Schedule VI of the EP Act 1986 for Inland Surface Water	Protocol	
Lead (as Pb)	< 0.01 Mg/L		
_	TOTOL MINT	0.1 Mg/L	APHA (24 <sup>TII</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.

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

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA)

190-6011:2015 CERTIFIED LABORATORY 190-14091:2015 CERTIFIED LABORATORY 180-46001:2015 CERTIFIED LABORATORY

CIN NO.: U74140RJ2013PTC042216 Sample ID No.: SCS/WW/20240419/68 Report No. SCS/HZL/WW/20240419/68

Date of Registration: 19.04.2024 Date of Report: 30.04.2024

### TEST REPORT

Name of Client

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

Address of Client Date of Sample Receipt

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing

20.04.2024 22.04.2024

Date of end of testing Details of Sample Sample sent by

30.04,2024 STP Outlet Plant SCS representative

Parameter	Results	Protocol
pH		
Total Suspended Solids	6.93	APHA (24TH Edition) 4500 H
Oil & Grease	5 Mg/L	APHA (24TH Edition) 2540 D
Ammonios 121	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Ammonical Nitrogen (as N)	5.1 Mg/L	APHA (24TH Edition) 4500NH <sub>2</sub> B
COD	42 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
BOD <sub>3Dave at 27°C</sub>	7 Mg/L	IS 3025 (Part 44)
Nitrate Nitrogen	4.9 Mg/L	APHA (24TH Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Decent Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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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



180-5091/2015 CERTFIED LABORATORY IBO-10091/2015 CERTFIED LABORATORY IBO-46001/2016 CERTIFIED LABORATORY

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

#### TEST REPORT

Name of Client Address of Client

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

Date of Sample Receipt

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing Date of end of testing

24.05.2024 25.05.2024 31.05.2024

Details of Sample Sample sent by

STP Outlet Plant SCS representative

Parameter pH	Results	Protocol
Total Suspended Solids	7.04	APHA (24 <sup>TH</sup> Edition) 4500 H
Oil & Grease	7 Mg/L	APHA (24TH Edition) 2540 D
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24TH Edition) 5520 B
COD	5.9 Mg/L	APHA (24TH Edition) 4500NH-B
SOD3Days at 27°C	45 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
Vitrate Nitrogen	8 Mg/L	IS 3025 (Part 44)
	4.4 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 



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- All disputes are subjected to Jaipur jurisdiction.



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



ISO-0661:2814 GERTIPIED LABORATORY ISÓ-14581:2816 CERTIPIED LABORATORY ISO-45861:2818 CERTIFIED LABORATORY

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

#### TEST REPORT

Name of Client Address of Client

Ms. Hindustan Zine Limited, Zine Smelter, Debari

Date of Sample Receipt
Date of start of testing

Village: Debari, Udaipur-313024, Rajasthan 22.06.2024 24.06.2024

Date of start of testing Date of end of testing Details of Sample Sample sent by

02.07.2024 STP Outlet Plant SCS representative

Parameter pH	Results	Protocol
Total Suspended Solids	7.22	APHA (24 <sup>TH</sup> Edition) 4500 H
Dil & Grease	6 Mg/L	APHA (24TH Edition) 2540 D
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24TH Edition) 5520 B
COD	5.2 Mg/L	APHA (24TH Edition) 4500NH <sub>3</sub> B
OD3Days at 27°C	39 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
litrate Nitrogen	6 Mg/L	IS 3025 (Part 44)
arms CCC F	3.7 Mg/L	APHA (24TH Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

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

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



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

#### TEST REPORT

Name of Client

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

Address of Client Date of Sample Receipt

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing

30.07.2024 01.08.2024

Date of end of testing Details of Sample Sample sent by

06.08.2024 STP Outlet Plant SCS representative

Parameter	Results	Tp
pH		Protocol
Total Suspended Solids	7.16	APHA (24TH Edition) 4500 H
	8 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> E
COD	45 Mg/L	APUA (24TH F.III ) COOR TO
BOD3Days at 27°C		APHA (24 <sup>TH</sup> Edition) 5220 B
Nitrate Nitrogen	8 Mg/L	IS 3025 (Part 44)
THURIC THUOSEII	4.6 Mg/L	APHA (24TH Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

**Authorised Signatory** 

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



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

#### TEST REPORT

Name of Client

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

Address of Client

Village: Debari, Udaipur-313024, Rajasthan

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

30.08.2024 02.09.2024 06.09.2024

Details of Sample Sample sent by

STP Outlet Plant SCS representative

Parameter oH	Results	Protocol
otal Suspended Solids	7.25	APHA (24TH Edition) 4500 H
Dil & Grease	6 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
mmonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
OD (as IV)	< 5.0 Mg/L	APHA (24TH Edition) 4500NH <sub>1</sub> B
OD3Days at 27°C	34 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
itrate Nitrogen	6 Mg/L	IS 3025 (Part 44)
er pro SCS Enviro Services Pue Tad	3.5 Mg/L	APHA (24TH Edition) 4500 B

Per pro SCS Enviro Services Pvt. Ltd.,

bosery Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 



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



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

### TEST REPORT

Name of Client Address of Client

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

Date of Sample Receipt

Village: Debari, Udaipur-313024, Rajasthan 17.09.2024

Date of start of testing Date of end of testing Details of Sample Sample sent by

19.09.2024 29.09.2024 STP Outlet Plant

SCS representative

Parameter pH	Results	Protocol
Total Suspended Solids	8.55	APHA (24TH Edition) 4500 H
Dil & Grease	< 5 Mg/L	APHA (24TH Edition) 2540 D
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24TH Edition) 5520 B
COD COD	< 5.0 Mg/L	APHA (24TH Edition) 4500NH <sub>3</sub> B
OD3Deys at 27°C	40 Mg/L	APHA (24TH Edition) 5220 B
Vitrate Nitrogen	8 Mg/L	IS 3025 (Part 44)
er pro SCS Enviro Services Deserved	3.3 Mg/L	APHA (24TH Edition) 4500 B

Per pro SCS Enviro Services Put

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

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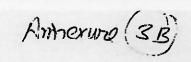
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216



TC-13363

(80-404);2015 CERTIFIED LABORATORY 150-1480 (12016 CERTIFIED LABORATORY (80-4580);2016 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/202	40410/70
Report No. SCS/HZL/WW/20	240419/70(17)
11 11121	2000 X 3/ /U(1/2)

Date of Registration: 19.04.2024 Date of Report: 30.04.2024

#### TEST REPORT

Name of Client

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

Address of Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sample Receipt Date of start of testing

20.04.2024 22.04.2024

Date of end of testing Details of Sample Sample sent by

30.04.2024 STP Outlet Colony SCS representative

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

Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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

18O-8001:2015 CERTIFIED LABORATORY 18O-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

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

### TEST REPORT

Name of Client

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

Address Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing

20.04.2024

Date of end of testing

22.04.2024 : 30.04.2024

Details of Sample Sample submitted by

: STP Outlet Colony : SCS Representative

Parameter	7	
Bioassay Test	Results	Protocol
	100% survival of fish after 96	IS 6582 (Part 2)
Fecal Coliform	hours in 100 % effluent	10 0002 (1 tilt 2)
	Absent	APHA (24TH Edition) 9230 C
Per pro SCS Enviro Services Pu	+ T + A'	

Per pro SCS Enviro Services Pvt. Ltd.,

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

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



ISO-8681:2616 CERTIFED LABORATORY ISO-14061:2618 CERTIFED LABORATORY ISO-48661:2816 CERTIFED LABORATORY

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

#### TEST REPORT

Name of Client

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

Address of Client

Village: Debari, Udaipur-313024, Rajasthan

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

24.05.2024 25.05.2024 31.05.2024

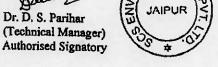
Details of Sample Sample sent by

STP Outlet Colony SCS representative

Parameter		
pH	Results	Protocol
Total Suspended Solids	7.41	APHA (24TH Edition) 4500 H
Oil & Grease	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Total Residual Chlorine	< 5.0 Mg/L	APHA (24TH Edition) 5520 B
Ammonical Nitrogen (as N)	< 0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> E
COD	4.6 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
BOD <sub>3Days at 27°C</sub>	42 Mg/L	IS 3025 (Part 44)
Nitrate as NO <sub>3</sub>	8 Mg/L	APHA (24TH Edition) 4500 B
vittate as NO3	9.3 Mg/L	APHA (24TH Edition) 4500 H

Per pro SCS Enviro Services Pyt-

Dr. D. S. Parihar (Technical Manager)



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

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

Semple ID No. COCCUTATION AND THE	
Sample ID No.: SCS/WW/20240523/18	Date of Registration: 23.05.2024
Danart No CCCATT GYAVIDO LOCALIST	Date of Registration: 23.05.2024
Report No. SCS/HZL/WW/20240523/18(2/2)	Date of Report: 31.05.2024
	Date of Report: 31.05.2024

#### TEST REPORT

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan : 24.05.2024

Date of start of testing : 25.05.2024 Date of end of testing

: 31.05.2024

Details of Sample Sample submitted by

: 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 (24TH Edition) 9230 C

Per pro SCS Enviro Services Pvt. Ltd.,

Joenes Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 

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



ISO-8001:2016 CERTIFIED LABORATORY ISO-14001:2016 CERTIFIED LABORATORY ISO-46101:2018 CERTIFIED LABORATORY

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

#### TEST REPORT

Name of Client Address of Client

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

Date of Sample Receipt
Date of start of testing

Village: Debari, Udaipur-313024, Rajasthan 22.06.2024 24.06.2024

Date of start of testing
Date of end of testing
Details of Sample
Sample sent by

02.07.2024 STP Outlet Colony SCS representative

Parameter	2	
pH	Results	Protocol
Total Suspended Solids	7.63	APHA (24TH Edition) 4500 H
Oil & Grease	10 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
Total Residual Chlorine	< 5.0 Mg/L	APHA (24TH Edition) 5520 B
Americal Ni	< 0.1 Mg/L	APHA (24TH Edition) 4500NH <sub>3</sub> E
Ammonical Nitrogen (as N)	6.5 Mg/L	APHA (24TH Edition) 5220 B
	47 Mg/L	IS 3025 (Part 44)
BOD3Daya et 27°C	9 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
Nitrate as NO <sub>3</sub>	6.1 Mg/L	APHA (24TH Edition) 4500 H

Per pro SCS Enviro Services Pvt. Ltd.,

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

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

ISG-6001:3615 CERTIFIED LABORATORY ISG-14861:2616 CERTIFIED LABORATORY ISG-46001:2616 CERTIFIED LABORATORY

Sample ID No.: SCS/WW/20240622/41 Report No. SCS/HZL/WW/20240622/41(2/2)	Date of Registration: 22.06.2024  Date of Report: 02.07.2024
	==== 0.1 Report: 02.07.2024

#### TEST REPORT

Name of Client

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

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing Date of end of testing

22.06.2024 24.06.2024

Details of Sample Sample submitted by 02.07.2024 STP Outlet Colony SCS Representative

Parameter		
Bioassay Test	Results	Protocol
and a con	100% survival of fish after 96	IS 6582 (Part 2)
Fecal Coliform	hours in 100 % effluent	
7	Absent	APHA (24TH Edition) 9230 C

Per pro SCS Enviro Services Put Ltd.,

Ü

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

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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-0001:2018 CERTIFIED LABORATORY ISO-14001:2018 CERTIFIED LABORATORY ISO-40001:2019 CERTIFIED LABORATORY

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

### TEST REPORT

Name of Client Address of Client

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

Date of Sample Receipt

Village: Debari, Udaipur-313024, Rajasthan 30.07.2024

Date of start of testing Date of end of testing

01.08.2024 06.08.2024

Details of Sample Sample sent by

STP Outlet Colony SCS representative

H	Results	Protocol
Total Suspended Solids	7.45	APHA (24TH Edition) 4500 H
il & Grease	9 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
otal Residual Chlorine	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
mmonical Nitrogen (as N)	< 0.1 Mg/L	APHA (24TH Edition) 4500NH <sub>1</sub> B
OD OD	< 5.0 Mg/L	APHA (24TH Edition) 5220 B
OD3Days of 27°C	44 Mg/L	IS 3025 (Part 44)
itrate as NO <sub>3</sub>	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
r pro SCS Enviro Services Pvt. Ltd.,	4.9 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 H

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory

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

	THE PROPERTY OF THE PROPERTY O
Sample ID No.: SCS/WW/20240730/21	
Report No ECONTER - W120240/30/21	
Report No. SCS/HZI_/WW/20240730/21(2/2)	Date of Registration: 30.07.2024
TOUR ILLE	- Gives action: 30.07.2024
	Date of Report: 06.08.2024
	7 00100.2024

#### TEST REPORT

Name of Client

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

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing Date of end of testing

30.07.2024 : 01.08.2024 06.08.2024

Details of Sample Sample submitted by

STP Outlet Colony : SCS Representative

Parameter . SCS Represe	ntative	
Bioassay Test	Results	Protocol
Fecal Coliform	100% survival of fish after 96 hours in 100 % effluent	IS 6582 (Part 2)
Per pro SCS Enviro Services Pvt. Ltd.,	Absent	APHA (24 <sup>TH</sup> Edition) 9230 C

Decen Dr. D. S. Parihar J. J. JPUR (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

on: 30.08.2024
rt: 06.09.2024

#### TEST REPORT

Name of Client

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

Address of Client

Village: Debari, Udaipur-313024, Rajasthan

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

30.08.2024 02.09.2024 06.09.2024

Details of Sample Sample sent by

STP Outlet Colony SCS representative

Parameter	Results	Protocol
pH	7.62	APHA (24 <sup>TH</sup> Edition) 4500 H
Total Suspended Solids		AFRA (24" Edition) 4500 H
Oil & Grease	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
	< 5.0 Mg/L	APHA (24TI Edition) 5520 B
Total Residual Chlorine	< 0.1 Mg/L	APHA (24TH Edition) 4500NHaP
Ammonical Nitrogen (as N)	< 5.0 Mg/L	APHA (24TH Edition) 5220 B
COD	40 Mg/L	IS 3025 (Part 44)
BOD)Days at 27°C	7 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
Nitrate as NO <sub>3</sub>	4.3 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 H

Per pro SCS Enviro Services Pvt. Ltd.

Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 

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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

Sample ID No.: SCS/WW/20240830/66	
Report No. SCS/HZL/WW/20240830/66(2/2)	Date of Registration: 30.08.2024
12210020100(22)	Date of Report: 06.09.2024

#### 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 : 30.08.2024 02.09.2024

Date of end of testing Details of Sample Sample submitted by

06.09.2024 STP Outlet Colony : SCS Representative

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

Per pro SCS Enviro Services Pvt. Ltd.,

Weller Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 

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



650-9901:2016 CERTIFIED LABORAT 650-14601:2016 CERTIFIED LABORAT 650-49001:2016 CERTIFIED LABORAT

Sample ID No.: SCS/WW/20240917/24  Report No. SCS/HZL/WW/20240917/24(1/2)  Date of Registration: 17.09.2024	LABO
LAMPORT NO. N. N/H/YI /MINTERS	
Date of Registration, 17 co.	_
Date of Registration: 17.09.2024	Ш
Date of Report: 29.09.2024	П

### TEST REPORT

Name of Client Address of Client

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

Date of Sample Receipt

Village: Debari, Udaipur-313024, Rajasthan 17.09.2024

Date of start of testing Date of end of testing Details of Sample Sample sent by

29.09.2024 STP Outlet Colony

19.09.2024

Parameter		
H	Results	Protocol
Total Suspended Solids	7.31	APHA (24 <sup>TH</sup> Edition) 4500 H
Dil & Grease	8 Mg/L	APHA (24 <sup>TH</sup> Edition) 2540 D
otal Residual Chlorine	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5520 B
Ammonical Nitrogen (as N)	< 0.1 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500NH <sub>3</sub> B
OD	< 5.0 Mg/L	APHA (24 <sup>TH</sup> Edition) 5220 B
OD 3Days at 27°C	48 Mg/L	IS 3025 (Part 44)
itrate as NO <sub>3</sub>	9 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 B
F pro SCS Enviro Services Put I tid	6.7 Mg/L	APHA (24 <sup>TH</sup> Edition) 4500 H

Per pro SCS Enviro Services Put

Dr. D. S. Parihar (Technical Manager)

**Authorised Signatory** 

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- This report in full or in part, shall not be used for advertising or as evidence in any court of law.
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- All disputes are subjected to Jaipur jurisdiction.

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

Samuel III an	TO THE TRAIN CERTIFIED LABOR
Sample ID No.: SCS/WW/20240917/24	
Report No. SCS/HZL/WW/20240917/24(2/2)	Det. CD
2 17 17/20240917/24(2/2)	Date of Registration: 17.09.2024
	Date of Report: 29.09.2024
	1.501.1. 27.09.2024

### 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 17.09.2024

Date of end of testing

19.09.2024 29.09.2024 STP Outlet Colony

Details of Sample Sample submitted by

: SCS Representative

Parameter	entative	
Bioassay Test	Results	Protocol
Fecal Coliform	100% survival of fish after 96 hours in 100 % effluent	IS 6582 (Part 2)
	41	ADUA (24TH THE
Per pro SCS Enviro Services Pyt. Ltd.,		APHA (24TH Edition) 9230 C

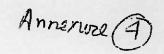
Dr. D. S. Parihar (Technical Manager) **Authorised Signatory** 

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

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

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

## TEST REPORT

Name of Client

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

Address Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing

19.04.2024 : 22.04.2024

Date of end of testing Details of Sample

: 30.04.2024 : Piezometer No. 1 Water

Sample submitted by

: SCS Representative

H	Results Protocol
ron as Fe	7.54 APHA (24TH Edition) 4500 TV
Cadmium as Cd	U.US IVIE / L   APHA (24TH Edition) 21117
ead as Pb	U.UUS MIR / L   APH A (24TH E-11) A 21115
inc as Zn	U.UI Mg / L   APHA (24TH Edition) 2111D
er pro SCS Enviro Services Pvt. Ltd.	O.01 Mg/L APHA (24TH Edition) 3111

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

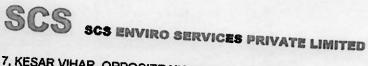
The results refer only to the tested sample and applicable parameters.

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

ISO-9801:2015 CERTIFIED LABORATORY ISO-4801:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/40	ISO-45001:2018 CERTIFIED LABO
3.727.74	Date of Registration: 19.04.2024  Date of Report; 30.04.2024
TECT DEPARTMENT	

## TEST REPORT

Name of Client

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

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing Date of end of testing

19.04.2024 : 22.04,2024

Details of Sample

30.04.2024 Piezometer No. 2 Water

Sample submitted by

: SCS Representative

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$\dashv$
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x) scores Dr. D. S. Parihar (Technical Manager) **Authorised Signatory** 

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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-8001:2015 GERTIFIED LABORATORY ISO-14001:2015 GERTIFIED LABORATORY ISO-45001:2018 GERTIFIED LABORATORY

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

### TEST REPORT

Name of Client

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

Address Client Date of Sampling

Villago: Dobari, Udaipur-313024, Rajasthan

Date of start of testing Date of end of testing

19.04.2024 22.04.2024 30.04.2024

Details of Sample Sample submitted by

Piezometer No. 3 Water

SCS Representative Parameter pH Results | Protocol 7.63 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 0.40 Mg / L APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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

ISO-8001:2015 CERTIFIED LABORATORY ISO-14081:2015 CERTIFIED LABORATORY ISO-45091:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/42	ISO-45001:2018 CERTIFIED LAS
Report No. SCS/HZL/W/20240419/42	Date of Registration: 19.04.2024
10000000	Date of Report; 30.04.2024
Thomas	

## TEST REPORT

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 19.04.2024

Date of start of testing Date of end of testing

: 22.04.2024 : 30.04.2024

Details of Sample Sample submitted by

: Piezometer No. 4 Water SCS Representative

pH	Results	Protocol
Iron as Fe	6.73	APHA (24TH Edition) 4500 TV
Cadmium as Cd	< 0.01 Mg/L	APHA (24TH Edition) 2111D
Lead as Pb	< 0.003 Mg / L	APHA (24TH Edition) 21117
Zinc as Zn	U.UI Mg/L	APHA (24TH Edition) 2111D
Per pro SCS Enviro Services Pvt. Ltd.	4.20 Mg/L	APHA (24TH Edition) 3111B

Spooner Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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

ISO-4001:2013 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2015 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/43	The state of the s
Deposit No. SCOTTERS	
Report No. SCS/HZL/W/20240419/43	Date of Registration: 19.04.2024
	Date of D
	Date of Report: 30.04.2024

### TEST REPORT

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 19.04.2024

Date of start of testing Date of end of testing

: 22.04.2024 : 30.04.2024

Details of Sample Sample submitted by

Piczometer No. 5 Water SCS Representative

Parameter pH	Results Protocol
ron as Fc	7.14 APHA (24 <sup>TH</sup> Edition) 4500 H
admium as Cd	< 0.01 Mg / L   APHA (24TH Edition) 3111B
ead as Pb	< 0.003 Mg/L   APHA (24 <sup>TH</sup> Edition) 3111B
nc as Zn	< 0.01 Mg/L   APHA (24TH Edition) 3111B
Per pro SCS Empire Sant	2.50 Mg / L APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

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

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

ISO-9001:2015 CERTIFIED LABORATORY ISO-14991:2015 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/44	SC-45001;2018 CERTIFIED LAB
Report No. SCS/HZL/W/20240419/44	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024

#### TEST REPORT

Name of Client

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

Address Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Sampling Date of start of testing

19.04.2024

Date of end of testing

22.04.2024 30.04.2024

Details of Sample Sample submitted by

Piezometer No. 6 Water SCS Representative

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

0.28 Mg / L | APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Delocary Dr. D. S. Parihar

Zinc as Zn

(Technical Manager)

Authorised Signatory

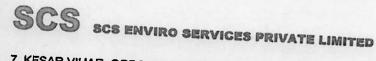
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO: U74140RJ2013PTC042216

18O-9001:2015 CERTIFIED LABORATORY 18O-14001:2015 CERTIFIED LABORATORY 18O-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/45	180-45001:2018 CERTIFIED LAB
Report No. SCS/HZL/W/20240419/45	Date of Pariety 4
1720240419/45	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024

## TEST REPORT

Name of Client

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

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing

19.04.2024 22.04.2024

Date of end of testing Details of Sample

30.04.2024 Piezometer No. 7 Water

Sample submitted by

SCS Representative

Parameter oH	Results	Protocol
ron as Fe	7.62	APHA (24TH Edition) 4500 TT
Cadmium as Cd		APHA (24TH Edition) 2111D
.cad as Pb	V.003 Mg / L	APHA (24TH Edition) 31117
linc as Zn	U.01 Mg/L	APHA (24TH Edition) 3111D
Per pro SCS Enviro Services Pvt. Ltd		APHA (24TH Edition) 3111B

ceren Dr. D. S. Parihar.

(Technical Manager) Authorised Signatory

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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

ISC-9001:2016 CERTIFIED LABORATORY ISC-14001:2015 CERTIFIED LABORATORY ISC-45001:2018 CERTIFIED LABORATORY

Parad No.: SCS/W/20240419/46	LABOUTIZOTE CERTIFIED LABO
Report No. SCS/HZL/W/20240419/46	Data of D
7571115LF W/20240419/46	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
	- 110 of Report: 30.04.2024

## TEST REPORT

Name of Client

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

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing Date of end of testing

19.04.2024 22.04.2024 30.04.2024

Details of Sample Sample submitted by

Piezometer No. 8 Water SCS Representative

Parameter	The same of the sa	
pH	Results	Protocol
Iron as Fe	7.20	
Cadmium as Cd	< 0.01 Mg/L	APHA (24TH Edition) 2111D
Lead as Pb	0.003 Mg/L	APHA (24TH Edition) 2111D
Zinc as Zn	< 0.01 Mg/L	APHA (24TH Edition) 3111B
D 000 =	0.16 Mg / L	APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,



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All disputes are subjected to Jaipur jurisdiction.

Mo.: 9414080354, 9166770354, Fax: 0141-2522722 Famaily cocantrians described

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

ISO-8001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

Sample ID No.; SCS/W/20240419/47	
Report No. SCS/HZL/W/20240419/47	Date of Registration: 19.04.2024
3341012711	Date of Report: 30.04.2024

#### TEST REPORT

Name of Client

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

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing Date of end of testing

: 19.04.2024 : 22.04.2024 : 30.04.2024

Details of Sample Sample submitted by

: Piezometer No. 9 Water : SCS Representative

Parameter pH	Results Pr	otocol
ron as Fe	7.42 A	PHA (24TH Edition) 4500 H
Cadmium as Cd	<0.01 Mg/L   AF	HA (24TH Edition) 3111D
Lead as Pb	< 0.003 Mg/L   AF	HA (24TH Edition) 3111D
Zinc as Zn	< 0.01 Mg/L   AP	HA (24TH Edition) 3111B
Per pro SCS Enviro Services Por Table	0.09 Mg/L AP	HA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Decery Dr. D. S. Parihar

(Technical Manager)

Authorised Signatory.

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

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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-8001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240419/48	150-45001:2018 CERTIFIED LAB
Report No. SCS/HZL/W/20240419/48	Date of Registration: 19.04,2024
	Date of Report; 30.04.2024
	1227000412024

### TEST REPORT

Name of Client

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

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing

: 19.04.2024 : 22.04.2024

Date of end of testing Details of Sample

: 30.04.2024 Piezometer No. 10 Water

Sample submitted by

: SCS Representative

pH	Results Protocol
ron as Fe	7.40 APHA (24TH Edial-1) 4500 x
Cadmium as Cd	0.01 Mg / L   APHA (24TH Edition) 2111D
ead as Pb	0.003 Mg / L   APHA (24TH Edition) 2111D
Zinc as Zn	0.01 Mg / L   APHA (24TH Edition) 3111D
Per pro SCS Enviro Services Pvt. Ltd	

James Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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

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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-4001:2014 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/33	
Report No. SCS/HZL/W/20240830/33	Date of Registration: 30.08.2024
10000100	Date of Report: 06.09.2024

### TEST REPORT

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

Date of start of testing Date of end of testing

02.09.2024 06.09.2024

Details of Sample Sample submitted by

Piezometer No. 1 Water SCS Representative

Parameter	
pH	Results Protocol
Iron as Fe	7.82 APHA (24 <sup>TH</sup> Edition) 4500 H
Cadmium as Cd	0.04 Mg/L   APHA (24TH Edition) 3111B
ead as Pb	< 0.003 Mg/L   APHA (24TH Edition) 3111D
Zinc as Zn	< 0.01 Mg/L   APHA (24 <sup>TII</sup> Edition) 3111B
Per pro SCS Environ Services Port 144	1.95 Mg/L APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Put

Joanne

Dr. D. S. Parihar (Technical Manager)

**Authorised Signatory** 

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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



Sample ID No.: SCS/W/20240830/34	
Report No. SCS/HZL/W/20240830/34	Date of Registration: 30.08.2024
4720210000134	Date of Report: 06.09.2024

#### TEST REPORT

Name of Client

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

Address Client Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

Date of start of testing Date of end of testing

02.09.2024 06.09.2024

Details of Sample Sample submitted by

Piezometer No. 2 Water SCS Representative

Parameter	
pH	Results Protocol
Iron as Fe	7.56 APHA (24 <sup>TH</sup> Edition) 4500 F
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
Zific as Zifi	0.31 Mg/L APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

**Authorised Signatory** 

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JAIPUR

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



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

#### TEST REPORT

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

Date of start of testing Date of end of testing

02.09.2024 06.09.2024

Details of Sample Sample submitted by

: Piezometer No. 3 Water : SCS Representative

Parameter	ve
pH	Results Protocol
Iron as Fe	7.80 APHA (24 <sup>TH</sup> Edition) 4500 H
Cadmium as Cd	U.U. Mg/L   APHA (24 <sup>TH</sup> Edition) 3111D
Lead as Pb	
Zinc as Zn	< 0.01 Mg/L   APHA (24 <sup>TH</sup> Edition) 3111P
Per pro SCS Enviro Services Put I td	0.26 Mg/L APHA (24 <sup>TH</sup> Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

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



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



TC-13363

THE CHIPTED LABO
Date of Registration: 30.08.2024
Date of Person 26.08.2024
Date of Report: 06.09.2024

#### 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 30.08.2024 02.09.2024

Date of end of testing Details of Sample

06.09.2024 : Piezometer No. 4 Water

Sample submitted by SCS Representative

Parameter	sentative
pH	Results Protocol
Iron as Fe	6.95 APHA (24TII Edition) 4500 Y
Cadmium as Cd	O.UI Mg / L   APHA (24TH Edition) 21117
Lead as Pb	U.003 Mg / L   APHA (247) Edition 21117
Zinc as Zn	U.UI Mg/L   APHA (24TH Edition) 2111D
Per pro SCS Enviro Services Pvt. Ltd.,	3.34 Mg/L APHA (24 <sup>TH</sup> Edition) 3111B
TOTAL PROPERTY. LIG.,	

Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 



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



Sample ID No.: SCS/W/20240830/37	
Report No. SCS/HZL/W/20240830/37	Date of W. i.
3.1.2L3 W/20240830/37	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024

#### 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 Date of end of testing

30.08.2024 02.09.2024 06.09.2024

Details of Sample Sample submitted by

: Piezometer No. 5 Water SCS Representative

DH	Results Protocol	
ron as Fe	7.38 APHA (24TII Edition) 4	500 H
admium as Cd	V.UI Mg/L   APHA (24TH Edition) 2	11172
ead as Pb	0.003 Mg/L   APHA (24TI Edition) 3	1110
inc as Zn	0.01 Mg/L   APHA (24TII Edition) 3	111D
Per pro SCS Enviro Services Put I		IIIR

Per pro SCS Enviro Services Pvt. Ltd.,

(Deeser) Dr. D. S. Parihar

(Technical Manager) Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.

#### SCS

#### SCS ENVIRO SERVICES PRIVATE LIMITED

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



TC-13363

ISO-1661:2015 CERTIFIED LABORATORY ISO-1681:19015 CERTIFIED LABORATORY ISO-16881:1616 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/38  Report No. SCS/HZI/W/20240830/38	Date of Registration: 30.08.2024 Date of Report: 06.09 2024
Report No. SCS/HZL/W/20240830/38	Date of Report: 06.09.2024

#### TEST REPORT

Name of Client

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

Address Client
Date of Sampling
Date of start of testing

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

Date of start of testing
Date of end of testing

: 02.09.2024 : 06.09.2024

Details of Sample Sample submitted by

: Piezometer No. 6 Water : SCS Representative

Parameter	Results	Protocol
oH		APHA (24 <sup>TH</sup> Edition) 4500 H
ron as Fe	< 0.01 Mg / L	APHA (24TH Edition) 3111B
Cadmium as Cd Lead as Ph	< 0.003 Mg/L	APHA (24TH Edition) 3111B
Zinc as Zn	0.01 Mg/L	APHA (24TH Edition) 3111B
Sinto da Zili	0.20 Mg/L	APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

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



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



IBD-8661:2015 CERTIFIED LABORATOR IBO-14881:2016 CERTIFIED LABORATOR ISO-45901:2018 CERTIFIED LABORATOR

Sample ID No.: SCS/W/20240830/39	
Report No. SCS/HZL/W/20240830/39	Date of Registration: 30.08.2024
12.2.4600137	Date of Report: 06.09.2024

#### TEST REPORT

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

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

02.09.2024 06.09.2024

Sample submitted by

Piezometer No. 7 Water SCS Representative

Parameter pH	Results Protocol
ron as Fe	7.78 APHA (24 <sup>TH</sup> Edition) 4500 H
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
Per pro CCC Emilion	0.06 Mg/L APHA (24TH Edition) 3111B

Per pro SCS Enviro Services Pvt. Ltd.,

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

**Authorised Signatory** 

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



TC-13363

Sample ID N. Com	
Sample ID No.: SCS/W/20240830/40	
Report No. SCS/HZL/W/20240830/40	Date of Registration: 30.08.2024
1720240830740	30.08.2024
	Date of Report: 06.09.2024

#### 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 30.08.2024 02.09.2024

Date of end of testing Details of Sample Sample submitted by

06.09.2024 Piezometer No. 8 Water SCS Representative

Parameter	<u></u>	
pH	Results Protocol	
Iron as Fe	7.48 APHA (24 <sup>TH</sup> Edition) 4500 H	<u> </u>
Cadmium as Cd	<ul> <li>U.01 Mg/L   APHA (2470 Edition) 2111 D</li> </ul>	
Lead as Pb	V.003 Mg/L   APHA (24TH Edition) 311119	
Zinc as Zn	U.01 Mg/L   APHA (24TH Edition) 3111D	
Per pro SCS Enviro Services Pro 144	0.11 Mg/L APHA (24 <sup>TH</sup> Edition) 3111B	

Per pro SCS Enviro Services Put

Dr. D. S. Parihar (Technical Manager)

**Authorised Signatory** 

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



MI:3018 CERTIFIED LABORATORY MI:3018 CERTIFIED LABORATORY MI:3018 CERTIFIED LABORATORY

Sample ID No.: SCS/W/20240830/41  Report No. SCS/HZL/W/20240830/41	Date of Registration: 30,08.2024
11/20240630/41	Date of Report: 06.09.2024

#### TEST REPORT

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024 02.09.2024

Date of start of testing Date of end of testing Details of Sample Sample submitted by

06.09.2024 Piezometer No. 9 Water : SCS Representative

Results	Protocol
7.58	APHA (24TH Edition) 4500 H
0.01 Mg/L	APHA (24TH Edition) 3111D
< 0.003 Mg/L	APHA (24TH Edition) 3111B
< 0.01 Mg/L	APHA (24TH Edition) 3111B
0.05 Mg/L	APHA (24 <sup>111</sup> Edition) 3111B
	7.58 <0.01 Mg/L <0.003 Mg/L <0.01 Mg/L

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

**Authorised Signatory** 

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JAIPUR

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



IEG-9001:2016 CERTIFIED LABORATORY IEG-14001:2015 CERTIFIED LABORATORY IEG-15001:2018 GERTIFIED LABORATORY

Samula III h	CONTINUE CENTIFICO LABO
Sample ID No.: SCS/W/20240830/42	
Report No. SCS/HZL/W/20240830/42	Det
77.7.20.240830/42	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024
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#### TEST REPORT

Name of Client Address Client

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

Date of Sampling

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

Date of start of testing Date of end of testing

02.09.2024 06.09.2024

Details of Sample Sample submitted by

Piezometer No. 10 Water

SCS Representative

H	Results	Protocol
ron as Fe	7.65	APHA (24TH Edition) 4500 TV
Cadmium as Cd		APHA (DATHERSON - NOTICE
ead as Pb	- U.UU3 Mg/L	APHA (24TH Edition) 2111D
inc as Zn	V.VI Mg/L	APHA (24TH Edition) 2111D
Per pro SCS Enviro Services Pvt. Ltd.,	0.88 Mg/L	APHA (24 <sup>TH</sup> Edition) 3111B

Locace Dr. D. S. Parihar

(Technical Manager) **Authorised Signatory** 



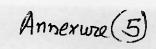
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# SCS scs enviro services private limited

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

ISO-8001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

ISO-14001:2018 CERTIFIED LAB
Date of Registration: 19.04.2024
Date of Report: 30.04.2024

#### AMBIENT NOISE MONITORING REPORT

Name of Client

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

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan : 19.04.2024

Date of start of testing

: 19.04.2024

Date of end of testing Duration of sampling

: 20.04.2024 : 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry Near Environment Lab Area

Parameter required

Ambient Noise

Results

Parameter	Results	dB(A)
A	Day Time 58.3	Night Time
ategory of Zones		47.9
	Leq in dB(A)	
dustrial	Day	Night
nmercial	75	70
idential	65	55
ice	55	
ay time if from 6.00am to 10 pm	50	45

- 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.,

100000ch Dr. D. S. Parihar

(Technical Managor)

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

180-9001:2015 CERTIFIED LABORATORY 180-14001:2015 CERTIFIED LABORATORY 180-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/22	ISO-45001:2018 CERTIFIED LABO
Report No. SCS/HZL/AN/20240419/22	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
AMRIENT MOJOR NO	

#### 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

19.04.2024

Date of end of testing Duration of sampling

19.04.2024 : 20.04.2024 : 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry : Near Railway Gate / SRP Area

Parameter required

: Ambient Noise

Results

Parameter	Paenle	s dB (A)
Leq	Day Time	Night Time
Category of Zones	62.5	51.4
	Leq in dB(A)	
Industrial	Day	Night
Commercial	75	70
Residential	65	55
Silence	55	45
1. Day time if from 6.00am to 10 pm	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.,

Dr. D. S. Parihar (Technical Manager)

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# SCS scs enviro services private limited

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

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

Sample ID No.: SCS/AN/20240419/23	150-45091;2018 CERTIFIED LABO
Report No. SCS/HZL/AN/20240419/23	
UCS/11Z/L/AN/20240419/23	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
AMDIENTER	0. xceput t. 50.04.2024

#### 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 start of testing

19.04.2024 19.04.2024

Date of end of testing Duration of sampling

: 20.04.2024 : 24 Hrs.

Type of Industry

: Non-Ferrous Metal Industry

Name of Location Parameter required

: Near ETP Area : Ambient Noise

Requite

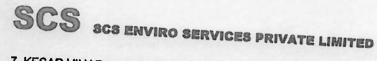
Parameter	Results	dB (A)
eq Category of Zones	Day Time 63.0	Night Time 56,1
and an annex	Leq in dB(A)	
dustrial	Day	Night
ommercial	75	70
sidential	65	55
lence	55	45
Day time if from 6.00am to 10 pm	50	40

- 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 Pyt. Ltd.,

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

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

ISO-8001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/24	18O-45001:2018 CERTIFIED LAB
Report No. SCS/HZL/AN/20240419/24	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
A BATTALYTAN A	

#### 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 start of testing

19.04.2024 19.04.2024

Date of end of testing Duration of sampling

20.04.2024 : 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry

Parameter required

: Near DG room Area : Ambient Noise

Results

Parameter	Result	s dB (A)
eq	Day Time	Night Time
ategory of Zones	58.9	50.4
and got y of Zones	Leq in dB(A)	
dustrial	Day	Night
mmercial	7.5	70
idential	65	55
ence	53	45
Day time if from 6.00am to 10 pm	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.,

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

Authorised Signatory &

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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-2001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/25	ISO-45001:2018 CERTIFIED LABO
Report No. SCS/HZL/AN/20240419/25	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
AMPIENT NOVE	2010 112024

#### AMBIENT NOISE MONITORING REPORT

Name of Client

Address of Client

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

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

Village: Debari, Udaipur-313024, Rajasthan : 19.04.2024 19.04.2024 20.04.2024 : 24 Hrs.

Duration of sampling Type of Industry Name of Location

: Non-Ferrous Metal Industry : Near ZSD Main Gate Area

Parameter required Results

: Ambient Noise

Parameter	Result	dB (A)	
Leg	Day Time	Night Time	
Category of Zones	65.6	56.4	
oningory of Zones	Leg in	Leq in dB(A)	
Industrial	Day	Night	
Commercial	75	70	
Residential	65	55	
ilence	55	45	
Day time if from 6.00am to 10 pm. Night time if from 10.00 pm to 6 pm	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.,

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

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- All disputes are subjected to Jaipur jurisdiction.



# SCS scs enviro services private limited

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

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

Sample ID No.: SCS/AN/20240419/26	130-45001:2018 CERTIFIED L	
Report No. SCS/HZL/AN/20240419/26	Date of Registration: 19.04.2024	
	Date of Report: 30.04.2024	

#### AMBIENT NOISE MONITORING REPORT

Name of Client

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

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing

19.04.2024 : 19.04.2024

Date of end of testing Duration of sampling

: 20.04,2024 24 Hrs.

Type of Industry

Non-Ferrous Metal Industry

Name of Location Parameter required

Near ZE Area Ambient Noise

Results

Parameter	Result	s dB (A)
eq	Day Time	Night Time
Category of Zones	68.9	64.7
-ategory of Zones	Leq in dB(A)	
ndustrial	Day	Night
ommercial	75	70
esidential	65	55
lence	55	45
Day time if from 6.00am to 10 pm	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.,

Mosele Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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

180-9001:2015 CERTIFIED LABORATORY 180-14001:2015 CERTIFIED LABORATORY 180-45001:2016 CERTIFIED LABORATORY

Sample 1D No.: SCS/AN/20240419/27	
Report No. SCERITT (13700)	Dete of Designation of Avenue
Report No. SCS/HZL/AN/20240419/27	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024

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

Village: Debari, Udaipur-313024, Rajasthan

#### AMBIENT NOISE MONITORING REPORT

Name of Client

Address of Client

Date of Monitoring

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

Type of Industry Name of Location Parameter required

Results

20.04.2024 : 24 Hrs : Non-F ous Metal Industry

: 19.04.2024

19.04.2024

: Near W 'gh Bridge Area

: Ambient Noise

Parameter	Results dB (A)	
Ico	Day Time	Night Time
Leq	66.0	55.4
ategory of Zones	Leq in dB(A)	
dustrial	Day	Night
ommercial	75	70
esidential	65	55
ilence	55	45
Day time if from 6 00am to 10	50	40

ay time if from 6.00am to 10 pm

2. Night time if from 10.00 pm to 6 am

3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.

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Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Wedger

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

15O-5001:2015 CERTIFIED LABORATORY 1SO-14801:2015 CERTIFIED LABORATORY 1SO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/28	ISO-45001:2018 CERTIFIED LABO
Report No. SCS/HZL/AN/20240419/28	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
A MATERIAL CO.	

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

#### AMBIENT NOISE MONITORING REPORT

Name of Client

Address of Client

Date of Monitoring Date of start of testing

Date of end of testing Duration of sampling Type of Industry

Name of Location Parameter required

Results

Village: Debari, Udaipur-313024, Rajasthan 19.04.2024 19.04.2024 20.04.2024

24 Hrs. : Non-Ferrous Metal Industry : Near MCTP Entrance Area

: Ambient Noise

Parameter	7	
	Results dB (A)	
.cq	Day Time	Night Time
	64.2	53.8
Category of Zones		
	Leq in dB(A)	
Industrial	Day	Night
Commercial	75	70
	65	70
Residential	7,7	55
Silence	33	45
. Day time if from 6.00am to 10 pm	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.

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Per pro SCS Enviro Services Pvt. Ltd.,

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

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# SCS scs enviro services private limited

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

ISO-9001:2016 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/29	ISO-45001:2018 CERTIFIED LABO
Report No. SCS/HZL/AN/20240419/29	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
AMRIENT NOVER ACCOUNT	

#### 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 start of testing

19.04.2024 : 19.04.2024

Date of end of testing Duration of sampling

: 20.04.2024 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry

Parameter required

Near Roaster Area : Ambient Noise

Results

Parameter	Results dB (A)	
eq Category of Zones	Day Time 70.9	Night Time 65.0
	Leq in dB(A)	
Industrial	Day	Night
ommercial	75	70
esidential	65	70
ilence	55	33
Day	50	45
Day time if from 6.00am to 10 pm. Night time if from 10.00 pm to 6 am		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.
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Per pro SCS Enviro Services Pvt. Ltd.,

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

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# SCS scs enviro services private Limited

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

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

Sample ID No.: SCS/AN/20240419/30	THE PARTY OF THE P
Report No. SCS/HZL/AN/20240419/30	Date of Registration: 19.04.2024
10.14.27.00	Date of Report: 30.04.2024

#### AMBIENT NOISE MONITORING REPORT

Name of Client

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

Address of Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Monitoring Date of start of testing

19.04.2024 19.04.2024

Date of end of testing Duration of sampling

: 20.04.2024 : 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry : Near Workshop Area

Parameter required

: Ambient Noise

Results

Parameter	Results dB (A)	
Leq	Day Time	Night Time
	68.5	59.4
Category of Zones	Leq in dB(A)	
ndustrial	Day	Night
ommercial	75	70
esidential	65	55
ilence	55	45
. Day time if from 6.00am to 10 nm	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.

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Per pro SCS Enviro Services Pvt. Ltd.,

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

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# SCS scs enviro services private limited

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

ISO-8001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/31	ISO-4500112818 GERTIFIED LAB
Report No. SCS/HZL/AN/20240419/31	
	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
ARTHURA	

#### 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

19.04.2024 19.04.2024

Date of end of testing Duration of sampling

20.04.2024 : 24 Hrs.

Type of Industry

: Non-Ferrous Metal Industry

Name of Location Parameter required

: Near Solar Area : Ambient Noise

Results

Parameter	Result	dB (A)
Leq	Day Time 58.5	Night Time
Category of Zones	Leg in	dB(A)
Industrial	Day	Night
Commercial	75	70
esidential	65	55
ilence	55	45
Day time if from 6.00am to 10 pm	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.,

Joeger Dr. D. S. Parihar

(Technical Manager) Authorised Signatory

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

18O-9001:2015 CERTIFIED LABORATORY ISO-14001:2015 CERTIFIED LABORATORY 18O-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/ANDG240410100	TANK TO SELECT LAND CARD
Sample ID No.: SCS/AN/20240419/32	
Report No. SCS/HZL/AN/20240419/32	Date of Registration: 19.04.2024
2731/20240419/32	
	Date of Report: 30.04.2024

#### AMBIENT NOISE MONITORING REPORT

Name of Client

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

Address of Client

Date of Monitoring Date of start of testing Village: Debari, Udaipur-313024, Rajasthan 19.04.2024

Date of end of testing

: 19.04.2024 : 20.04.2024

Duration of sampling Type of Industry

: 24 Hrs.

Name of Location

: Non-Ferrous Metal Industry

Parameter required

: Near Hospital Area : Ambient Noise

Parameter	Result	s dB (A)
Leg	Day Time	Night Time
Category of Zones	53.9	44.8
Long of Lones	Leq in dB(A)	
ndustrial	Day	Night
ommercial	75	70
esidential	65	55
llence	55	45
Day time if from 6.00am to 10 pm	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.

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Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

Authorised Signatory ::

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# SCS scs enviro services private limited

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA,

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

ISO-4601:2015 CERTIFIED LABORATORY ISO-4601:2015 CERTIFIED LABORATORY ISO-45001:2015 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/33	180-45001:2014 CERTIFIED LABO
	Date of Registration: 19.04.2024
AMRIENT NOVOE	Date of Report: 30.04.2024

## AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring Date of start of testing

19.04.2024 : 19.04.2024

Date of end of testing Duration of sampling

: 20.04.2024 : 24 Hrs.

Type of Industry

: Non-Ferrous Metal Industry

Name of Location Parameter required

: Near STP Area : Ambient Noise

Results

Parameter	Result	s dB (A)
eg	Day Time	Night Time
ategory of Zones	63,8	56.4
	Leq in dB(A)	
dustrial	Day	Night
mmercial	75	70
sidential	65	55
ence	55	45
Day time if from 6.00am to 10 pm Night time if from 10.00 pm to 6 am	30	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.
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Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar (Technical Manager)

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

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

150-14001:2015 CERTIFIED LABO 180-46001:2018 CERTIFIED LABO
Date of Registration: 19.04.2024
Date of Report: 30.04.2024

## AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 19.04.2024

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

19.04.2024 : 20.04.2024 : 24 Hrs.

Type of Industry

Non-Ferrous Metal Industry

Name of Location Parameter required

Near Store : Ambient Noise

Results

	Result	s dB (A)
eq Category of Zones	Day Time 55.0	Night Time 45.7
	Leq in dB(A)	
ndustrial	Day	Night
ommercial	75	70
esidential	65 55	55
nonce .	50	45
Day time if from 6.00am to 10 pm. Night time if from 10.00 pm to 6 am	30	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.

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Per pro SCS Enviro Services Pvt. Ltd.,

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

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

ISO-9001:2015 CERTIFIED LABORATORY ISO-14801:2015 CERTIFIED LABORATORY ISO-45001:2016 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240419/35	ISO-45001:2018 CERTIFIED LAB
Report No. SCS/HZL/AN/20240419/35	Date of Best 4
207A1V20240419/35	Date of Registration: 19.04.2024
	Date of Report: 30.04.2024
AMDIDAM AVAILA	

#### AMBIENT NOISE MONITORING REPORT

Name of Client

Address of Client

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

Date of Monitoring

19.04.2024

Date of start of testing Date of end of testing

: 19.04.2024 : 20.04.2024

Duration of sampling Type of Industry

: 24 Hrs.

Name of Location

: Non-Ferrous Metal Industry

Parameter required

: Near Leaching Area : Ambient Noise

Results

Parameter	Result	dB (A)
eq	Day Time	Night Time
ategory of Zones	68.4	63.0
	Leq in dB(A)	
ndustrial	Day	Night
mmercial	75	70
sidential	65	55
once	55	45
Day time if from 6.00am to 10 pm	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.
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Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar

(Technical Manager)

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

55

45

40

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

#### AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

Date of start of testing Date of end of testing

30.08.2024 31.08.2024 24 Hrs.

Duration of sampling Type of Industry Name of Location

Non-Ferrous Metal Industry : Near Environment Lab Area

Parameter required Results

Ambient Noise

Parameter	Results	dB (A)
ved	Day Time 56.9	Night Time
Category of Zones		49.4
Industrial	Day	dB(A)
Commercial	75	70
Residential	65	55

55

50

Silence 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.

1)0000ce Dr. D. S. Parihar (Technical Manager) **Authorised Signatory** 



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

190-9061:2815 CERTFIED LABORATORY 180-14081:2815 CERTFIED LABORATORY 180-48081:2818 CERTFIED LABORATORY

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

#### AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

Date of start of testing Date of end of testing

30.08.2024 31.08.2024

Duration of sampling Type of Industry

24 Hrs. : Non-Ferrous Metal Industry : Near Railway Gate / SRP Area

Name of Location Parameter required Results

Ambient Noise

Parameter	Result	s dB (A)
eq	Day Time	Night Time
Category of Zones	64.7	53.5

Category of Zones	Leg in	1 dB(A)
Industrial	Day	Night
Commercial	75	70
Residential	65	55
Silence	55	45
1. Day time if from 6 00cm to 10	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.
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Per pro SCS Enviro Services Pvt\_Ltd:.

200cers Dr. D. S. Parihar (Technical Manager) **Authorised Signatory** 

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SGS scs enviro services private limited 7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

ISO-6001:2015 CERTIFIED LABORATE ISO-14601:2015 CERTIFIED LABORAT ISO-46601:2016 CERTIFIED LABORAT

Sample ID No.: SCS/AN/20240830/17	18G-4detizeta GERTERO LAN
	Date of Registration: 30.08.2024
AMBIENT NOISE MONTH	Date of Report: 06.09.2024

## AMBIENT NOISE MONITORING REPORT

Name of Client. Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024 30.08.2024

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

31.08.2024 24 Hrs.

Type of Industry Name of Location

Non-Ferrous Metal Industry

Parameter required

: Near ETP Area : Ambient Noise

Results

	Results	dB(A)
ategory of Zones	Day Time 66.2	Night Time 59.4
	Leg in	dB(A)
dustrial	Day	Night
mmercial	75	70
dential	65	55
nce	55	45
ay time if from 6.00am to 10 pm ight time if from 10.00 pm to 6 am	50	40

- 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



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

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

#### AMBIENT NOISE MONITORING REPORT

Name of Client

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

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing

30.08,2024 30.08.2024

Date of end of testing Duration of sampling

31.08.2024 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry

Parameter required

: Near DG room Area : Ambient Noise

Results

Parameter	Result	s dB (A)
Leq	Day Time 60.3	Night Time
Category of Zones	Leg in	dB(A)
ndustrial	Day	Night
ommercial	75	70
esidential	65	55
ilence	55	45
Day time if from 6.00	50	40

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

Sample ID No.: SCS/AN/20240830/19 Report No. SCS/AN/20240830/19	MO-45001(2010 GERTIFIED LANG
Report No. SCS/HZL/AN/20240830/19	Date of Registration: 30.08.2024
AMDERAM	Date of Report: 06.09.2024

#### AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan : 30.08.2024

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

30.08.2024 31.08.2024 : 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry : Near ZSD Main Gate Area

Parameter required

: Ambient Noise

Results

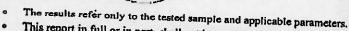
Parameter	Results	dB (A)
Leq	Day Time 67.5	Night Time
Category of Zones		59.1 dB(A)
Industrial	Day	Night
Commercial	75	70
Residential	65	55
Silence	55	45
1. Day time if from 6.00am to 10 pm	50	40

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

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

Sample ID No. Commission	100-4 SERTIPHED LABO
Sample ID No.: SCS/AN/20240830/20	
	Date of D
	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024
AMBIENT NOVEE MONTH	2011, 00,09,2024

#### AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

Date of start of testing Date of end of testing

: 30.08.2024 : 31.08.2024 24 Hrs.

Duration of sampling Type of Industry

: Non-Ferrous Metal Industry

Name of Location Parameter required

: Near ZE Area

Results

: Ambient Noise

	Results dB (A)	
q	Day I ime	Night Time
ategory of Zones	70.1	65.0
	Leq in	dB(A)
lustrial	Day	Night
nmercial	75	70
dential	65	
ce	55	45
ay time if from 6.00am to 10 pm ght time if from 10.00 pm to 6 am	50	40

3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts. religious places or any other area which is declared as such by the competent authority.

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

MC-0001:3015 CERTIFIED LABORATORY 150-14001:3015 CERTIFIED LABORATORY 160-45001:3018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240830/21	190-13001:2018 GERTIFIED LABO
Report No. SCS/HZL/AN/20240830/21	Date of Registration: 30.08.2024
AMBIENT NOISE MONUTOR	Date of Report: 06.00 2024

## AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

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

30.08.2024 31.08.2024 24 Hrs.

Type of Industry Name of Location

Non-Ferrous Metal Industry : Near Weigh Bridge Area

Parameter required

Ambient Noise

Results	The state of the	•	Amotent
	Parameter	_	

a at ameter	Result	dB (A)
Category of Zones	Day Time 68.5	Night Time 57.9
Industrial	Leq in	dB(A)
Commercial	75	Night
Residential	65	70
Silence	55	45
1. Day time if from 6.00am to 10 pm	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

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

Sample ID No.: SCS/AN/20240830/22	INC-100912015 CENTIFIED LABI INC-100912016 CENTIFIED LABI
Report No. SCS/HZL/AN/20240830/22	Date of Registration: 30.08.2024
AMBIENT NOISE MONUT	Date of Reports 04 00 2024

## 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 30.08.2024

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

30.08.2024 31.08.2024 : 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry : Near MCTP Entrance Area

Parameter required Results

: Ambient Noise

Day Time Night Time 65.3 S5.0	Parameter		
65.3 Night Time	I ac	Resul	ts dB (A)
V3.3	Leq	Day Time	
	Category of Zones	65.3	
	Category of Zones	65.3	

Category of Zones	65.3	Night Time 55.0
Industrial	Day Leq in	dB(A)
Commercial	75	Night
Residential Silence	65	55
1. Day time if from 6.00am to 10 pm 2. Night time if from 10.00	50	45
2. Night time if from 10.00 mm to 10 pm		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



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

Sample ID No.: SCS/AN/20240830/23	SEATURE CAS
Report No. SCS/HZL/AN/20240830/23	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024
AMDIENT	2010712027

#### AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring Date of start of testing

Village: Debari, Udaipur-313024. Rajasthan 30.08.2024

Date of end of testing Duration of sampling

30.08.2024 31.08.2024 : 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry

Parameter required

: Near Roaster Area Ambient Noise

Results

Parameter	Result	s dB (A)
Leq	Day Time	Night Time
Category of Zones	69.4	64.2
	Leg in	dB(A)
Industrial	Day	Night
Commercial	75	70
Residential	65	
Silence	55	55
	50	45
1. Day time if from 6.00am to 10 pm	. 30	40

- 2. Night time if from 10.00 pm to 6 am
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE. RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

Sample ID No.: SCS/AN/20240830/24	- TOTAL CERTIFIED LABOR
Report No. SCS/MR/20240830/24	
Report No. SCS/HZL/AN/20240830/24	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024
A B STRAIGHT AND A ST	1 00.07.2024

#### AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

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

30.08.2024 31.08.2024 24 Hrs.

Type of Industry Name of Location

Non-Ferrous Metal Industry Near Workshop Area

Parameter required

: Ambient Noise

K	es	ul	ts
			_

Parameter	Result	dB (A)
Leq	Day Time 63.0	Night Time
Category of Zones		56.8
Industrial	Day	dB(A)
Commercial	75	Night
Residential	65	55
Silence	55	45
1. Day time if from 6.00am to 10 pm	50	40

- Day time if from 6.00am to 10 pm
- 2. Night time if from 10.00 pm to 6 am
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE, RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

Sample ID No.: SCS/AN/20240830/25	
Report No. SCS/HZL/AN/20240830/25	Date of Parist II
111/20240630/25	Date of Registration: 30.08.2024
4 B Province	Date of Report: 06.09.2024

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

30.08.2024 30.08.2024 31.08.2024

Duration of sampling Type of Industry

24 Hrs. : Non-Ferrous Metal Industry

Name of Location Parameter required

: Near Solar Area

Results

: Ambient Noise

	Results	dB (A)
Leq	Day Time	Night Time
Category of Zones	56.1	49.4

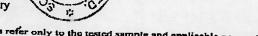
Category of Zones	36.1	49.4
B-03 of Education	Leg in	dB(A)
Industrial	Day	Night
Commercial	75	70
lesidential	65	55
ilence	55	45
. Day time if from 6.00am to 10 pm	30	40

- 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.
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Per pro SCS Enviro Services Pyt. Ltd...

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

people



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

Sample ID No.: SCS/AN/20240830/26	
Report No. SCS/HZL/AN/20240830/26	Date of Registration: 30.08.2024
	Date of Report: 06.09.2024

#### AMBIENT NOISE MONITORING REPORT

Name of Client

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

Address of Client Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan

Date of start of testing

30.08.2024 : 30.08.2024 : 31.08.2024

Date of end of testing Duration of sampling

24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry

Parameter required

: Near Hospital Area : Ambient Noise

Results

Parameter	Results dB (A)	
Leq	Day Time	Night Time
	54.1	43.4
Category of Zones	Leg in dB(A)	
dustrial	Day	Night
emmercial	75	70
sidential	65	55
ence	55	45
Day time if from 6.00am to 10 pm	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.
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Per pro SCS Enviro Services Pvt. Ltd.,

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

Sample ID No.: SCS/AN/20240830/27	
Report No. SCS/HZL/AN/20240830/27	Date of Registration: 30.08.2024
120210030/2/	Date of Report: 06.09.2024

#### AMBIENT NOISE MONITORING REPORT

Name of Client

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

Address of Client

Village: Debari, Udaipur-313024, Rajasthan

Date of Monitoring Date of start of testing

30.08.2024

Date of end of testing

: 30.08.2024 : 31.08.2024

Duration of sampling

24 Hrs.

Type of Industry Name of Location

Non-Ferrous Metal Industry

Parameter required

: Near STP Area : Ambient Noise

Results

Parameter	Results dB (A)	
Leq	Day Time	Night Time
	65.0	58.2
Category of Zones	Leg in	dB(A)
ndustrial	Day	Night
ommercial	75	70
esidential	65	55
ilence	55	45
Day time if from 6,00am to 10 pm	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.
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE. RAMNAGARIYA ROAD, JAGATPURA, JAIPUR-302017, RAJASTHAN (INDIA) CIN NO.: U74140RJ2013PTC042216

Sample ID No. SCSUANISA	ACCURATE CYRO
Sample ID No.: SCS/AN/20240830/28	
Report No. SCS/HZL/AN/20240830/28	Date of Registration: 30.08.2024
	Date of Parent 30.08.2024
AMDINAM	Date of Report: 06.09.2024

#### AMBIENT NOISE MONITORING REPORT

Name of Client Address of Client

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

Date of Monitoring

Village: Debari, Udaipur-313024, Rajasthan 30.08.2024

Date of start of testing

30.08.2024 31.08.2024

Date of end of testing Duration of sampling Type of Industry

24 Hrs. : Non-Ferrous Metal Industry

Name of Location Parameter required

: Near Store

Results

: Ambient Noise

	Results.dB (A)
Leq Day T	ime Night Tim
Category of Zones 53.	4 44.6

Category of Zones	33.4	44.6
	Leq i	n dB(A)
Industrial	Day	Night
Commercial Residential	65	70
Silence	55	55
1. Day time if from 6.00am to 10 pm	50	45
2. Night time if from 10 co		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 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 .

Sample ID No.: SCS/AN/20240830/29 Report No. SCS/MOVED 10 10 10 10 10 10 10 10 10 10 10 10 10	IEO-48001:Re1a CERTIFIED LABO
Report No. SCS/HZL/AN/20240830/29	
OS/112/L/AN/20240830/29	Date of Registration: 30.08.2024
	Date of Reports 04 00 202
AMBIENT NOISE MON	TTO

## 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 start of testing

30.08.2024 : 30.08.2024

Date of end of testing Duration of sampling

: 31.08.2024 : 24 Hrs.

Type of Industry Name of Location

: Non-Ferrous Metal Industry

Parameter required

: Near Leaching Area : Ambient Noise

Results

Parameter		
eq	Day Time Results dB (A)	
Category of Zones	69.1	Night Time 65.0
ndustrial	Day Leg in	
ommercial	75	Night
esidential Hence	65	70 55
Day time if from 6.00	55	45
Day time if from 6.00am to 10 pm Night time if from 10.00 pm to 6 am Silence zone is an array		40

- 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.,

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



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