



Ref: 2056/HPSL-UNIT-II/2025-26/2056

Dated : 17.06.2025

To,
The Regional Officer,
Chhattisgarh Environment Conservation Board,
New Office Building,
Ring Road No. 2, Near CSEB Office,
TATIBANDH, RAIPUR (C.G.)-492099

Sub: Environment Monitoring Report for the Month of May,2025

Dear Sir,

We are enclosing herewith the following Environment Monitoring Report of Hira Power & Steels Limited, Unit-II for the Month of **May,2025** which contains: -

- (1) Ambient Monitoring Report.
- (2) Stacks Monitoring Report.
- (3) Waste Water Inlet & Outlet Monitoring Report.
- (4) Noise Monitoring Report

This is for your kind information and record please.

Thanking You,

Yours Faithfully,
For, **HIRA POWER & STEELS LIMITED, UNIT-II**

A handwritten signature in blue ink, appearing to read "Anand", is written over a horizontal line.

AUTHORIZED SIGNATORY

Encl : As above.

Hira Power & Steels Limited

An ISO 9001:2015 certified company
CIN : U24117CT1984PLC002512

Registered Office & Works : Khasra No. 511/1, 512/2, Urla Industrial Complex, Raipur - 492003, Chhattisgarh, India

P : +91 771 4082500, 4082600, **F :** +91 771 4082501, **E :** admin@hpslindia.com

www.hpslindia.com, www.hiragroupindia.com



TEST REPORT

Report No.: GECPL/AA-202505/23-26				Date: 02/06/2025		
URL No.:						
Name & Address of Customer		:	M/s Hira Power and Steels Limited Khasra No. 511/1, 512/2, Urla Industrial Area, Raipur (Chhattisgarh)			
Contact Person		:	-			
Sample Collection Date		:	27/05/2025 to 28/05/2025	Sampling Type	:	NA
Sample Receipt Date		:	29/05/2025	Sample ID	:	AA-202505/23-26
Sampling Location		:	1. Near CHP Area 2. Beside Silo 3. Solar Panel Area 4. Near Main Gate	Sample Description	:	Ambient Air Instrument Id :- GECPL/RDS/FPS/01-04
Sample Collected / Submitted by		:	GECPL Team	Protocol used for monitoring	:	IS 5182(Part-14): 2019
Quantity / No. of Sample		:	2 Filter paper, (Pm ₁₀ , Pm _{2.5}) 1 SO ₂ ×30 mL,1 NO ₂ ×30 mL, 1 Tedlar Bag	Analysis Started On	:	29/05/2025
Packing / Seal		:	Temp. Sealed	Analysis Completed On	:	02/06/2025
Type of Container		:	Plastic Container	Format No.	:	7.8 F-05
Meteorological condition during monitoring				25°C ±3 °C		

Ambient Air Analysis Results

Sr. No.	Parameter	Results				Unit	Protocol used for Analysis	NAAQS
		1.	2.	3.	4.			
1	Particulate Matters PM ₁₀	81.2	74.6	79.8	73.2	µg/m ³	IS 5182 (Part 23) 2022	100(Max.)
2	Particulate Matters PM _{2.5}	41.2	34.1	39.2	33.2	µg/m ³	IS 5182 (Part 24) 2024	60(Max.)
3	Sulphur Dioxide as SO ₂	28.2	24.2	27.6	23.7	µg/m ³	IS 5182 (Part 02) 2023	80(Max.)
4	Nitrogen Dioxide as NO ₂	38.6	33.2	35.6	34.2	µg/m ³	IS 5182 (Part 06) 2022	80(Max.)
5	Carbon Monoxide as CO	0.5	0.4	0.5	0.4	mg/m ³	IS 5182 (Part 10) 2022	4.0(Max.)

Remarks: Sampling done by GECPL

-----End Report-----

[Signature]

Tested By
(Sr. Chemist/Chemist)

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- Samples shall be stored for the period of 15 days after the date of issue of Report.



Verified by & Authorized Signatory
Mr. Neeraj Kumar yadav
(Quality Manager)



+91-97996 00577
+91-99289 11231



info@gurukripaenviro.com
www.gurukripaenviro.com



J-491/492, Near Chatrala Circle,
Sitapura Industrial Area, Jaipur-302022 (Raj.)



TEST REPORT

Report No.: GECPL/N-202505/24-27			Date: 02/06/2025		
URL No.:					
Name & Address of Customer	:	M/s Hira Power and Steels Limited Khasra No. 511/1, 512/2, Urla Industrial Area, Raipur (Chhattisgarh)			
Contact Person	:	-			
Sample Collection Date	:	27/05/2025 to 28/05/2025	Sampling Type	:	NA
Sample Receipt Date	:	29/05/2025	Sample ID	:	N-202505/24-27
Sampling Location	:	1. Near CHP Area 2. Beside Silo 3. Solar Panel Area 4. Near Main Gate	Sample Description	:	Ambient Noise Monitoring
Sample Collected/ Submitted by	:	GECPL Team	Protocol used for monitoring	:	IS 9989-2023
Analysis Started On	:	29/05/2025	Analysis Completed On	:	30/05/2025
Instrument calibration status	:	Calibrated	Format No.	:	7.8 F-07
Meteorological condition during monitoring	:	Clear Sky	Actual duration of Monitoring, (Hrs.)	:	24 Hrs.
Meteorological condition during monitoring			25°C ±3 °C		

Ambient Noise Analysis Results

S. No.	Location	Unit	Test Method	Result		Limit (Industrial Zone)	
				Leq Day	Leq Night	Day	Night
1.	Near CHP Area	dB(A)	IS 9989	70.2	58.8	75 dB(A)	70 dB(A)
2.	Beside Silo	dB(A)	IS 9989	64.4	52.6		
3.	Solar Panel Area	dB(A)	IS 9989	65.5	54.8		
4.	Near Main Gate	dB(A)	IS 9989	68.6	56.4		

Remark: Sampling done by GECPL

-----End Report-----

[Signature]

Tested By
(Sr. Chemist/Chemist)

Verified by & Authorized Signatory
Mr. Neeraj Kumar Yadav
(Quality Manager)

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TEST REPORT

Report No.: GECPL/WW-202505/16			Date:		02/06/2025
URL No.:					
Customer Name & Address	:	M/s Hira Power and Steels Limited Khasra No. 511/1, 512/2, Urla Industrial Area, Raipur (Chhattisgarh)			
Contact Person	:	-			
Date of Sample Collection	:	27/05/2025	Sampling Type	:	Grab
Date of Sample Received	:	29/05/2025	Sample ID	:	WW-202505/16
Sampling Location	:	Siltation Tank Water	Sample Description	:	Waste Water
Sample Collected / Submitted by	:	GECPL Team	Protocol used for Sampling	:	24 th APHA Edition
Quantity / No. of Sample	:	5 Liter/1Nos.	Analysis Started On	:	29/05/2025
Packing / Seal	:	Temp. Sealed	Analysis Completed On	:	02/06/2025
Type of Container	:	Plastic Container	Format No.	:	7.8 F-01
Environmental Condition during the test			25°C ±3 °C		

Waste Water Analysis Results

S.No.	Name of Test	Method of Test	Inlet Result	Outlet Result	Units	Environmental (Protection Rule, 1986 (Sch-VI)
Chemical Testing						
Waste Water						
1	pH	APHA 24th Edition 4500-H+ B	7.56	7.21	-	5.5-9.0
2	Total Suspended Solids (TSS)	APHA 24th Edition 2540-D	13.2	4.2	mg/L	100 (Max.)
3	Oil & Grease	APHA 24th Edition 5520 B	3.2	1.2	mg/L	10 (Max.)
4	Biochemical Oxygen Demand (BOD) 3 Days at 27°C	IS:3025 (Part-44)-2023	26.6	16.2	mg/L	30 (Max.)
5	Chemical Oxygen Demand (COD)	IS:3025(Part-58)-2023	154	56	mg/L	250 (Max.)

End Report

[Signature]

Tested By
(Sr. Chemist/Chemist)



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Mr. Neera Kumar Yadav
(Quality Manager)

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TEST REPORT


Report No.: GECPL/ SE-202505/09			Date:		02/06/2025	
URL No.						
Name & Address of Customer		:	M/s Hira Power and Steels Limited Khasra No. 511/1, 512/2, Urla Industrial Area, Raipur (Chhattisgarh)			
Contact Person		:	-			
Sample Collection Date & Time		:	27/05/2025 10:44 am to 11:14 am	Sampling Type	:	Isokinetic
Sample Receipt Date		:	29/05/2025	Sample ID	:	SE-202505/09
Sampling Location		:	3.0& 3.6 MVA Submerged ARC Furnace A&B Combine Stack	Sample Description	:	Stack Emission Instrument Id- GECPL/SMK/01 Fuel used :- Electricity Height of Stack :- 30 m
Sample Collected / Submitted by		:	GEPCL Team	Protocol used for monitoring	:	IS:11255
Quantity / No. of Sample		:	1 Thimble	Analysis Started On	:	29/05/2025
Packing / Seal		:	Temp. Sealed	Analysis Completed On	:	02/06/2025
Type of Container		:	Plastic Container	Format No.	:	7.8 F-06
Environmental Condition during the test			25°C ±3 °C			

Test Results

Sr. No.	Parameter	Result	Unit	Protocol used for Analysis	Specification
1.	Total Particulate Matter (TPM)	23.24	mg/Nm ³	IS 11255 (Part 01): 2019	Max.-25

Remarks Sampling done by GECPL

-----End Report-----


Tested By
 (Sr. Chemist/Chemist)


Verified by & Authorized Signatory
 Mr. Neera Kumar yadav
 (Quality Manager)

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TEST REPORT

Report No.: GECPL/ SE-202505/10			Date:		02/06/2025	
URL No.						
Name & Address of Customer		:	M/s Hira Power and Steels Limited Khasra No. 511/1, 512/2, Urla Industrial Area, Raipur (Chhattisgarh)			
Contact Person		:	-			
Sample Collection Date & Time		:	27/05/2025 11:25 am to 11:55 am	Sampling Type	:	Isokinetic
Sample Receipt Date		:	29/05/2025	Sample ID	:	SE-202505/10
Sampling Location		:	5.5 & 5.5 MVA Submerged ARC Furnace C&D Combine Stack	Sample Description	:	Stack Emission Instrument Id- GECPL/SMK/01 Fuel used :- Electricity Height of Stack :- 35 m
Sample Collected / Submitted by		:	GEPCL Team	Protocol used for monitoring	:	IS:11255
Quantity / No. of Sample		:	1 Thimble	Analysis Started On	:	29/05/2025
Packing / Seal		:	Temp. Sealed	Analysis Completed On	:	02/06/2025
Type of Container		:	Plastic Container	Format No.	:	7.8 F-06
Environmental Condition during the test			25°C ±3 °C			

Test Results

Sr. No.	Parameter	Result	Unit	Protocol used for Analysis	Specification
1.	Total Particulate Matter (TPM)	22.74	mg/Nm ³	IS 11255 (Part 01): 2019	Max.-25

Remarks Sampling done by GECPL

-----End Report-----

Tested By

(Sr. Chemist/Chemist)

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(Quality Manager)

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TEST REPORT


Report No.: GECPL/ SE-202505/11			Date:		02/06/2025	
URL No.						
Name & Address of Customer		:	M/s Hira Power and Steels Limited Khasra No. 511/1, 512/2, Urla Industrial Area, Raipur (Chhattisgarh)			
Contact Person		:	-			
Sample Collection Date & Time		:	27/05/2025 12:18 pm to 12:48 pm	Sampling Type	:	Isokinetic
Sample Receipt Date		:	29/05/2025	Sample ID	:	SE-202505/11
Sampling Location		:	6.0 MVA Submerged ARC Furnace E	Sample Description	:	Stack Emission Instrument Id- GECPL/SMK/01 Fuel used :- Electricity Height of Stack :- 40 m
Sample Collected / Submitted by		:	GEPCL Team	Protocol used for monitoring	:	IS:11255
Quantity / No. of Sample		:	1 Thimble	Analysis Started On	:	29/05/2025
Packing / Seal		:	Temp. Sealed	Analysis Completed On	:	02/06/2025
Type of Container		:	Plastic Container	Format No.	:	7.8 F-06
Environmental Condition during the test			25°C ±3 °C			

Test Results

Sr. No.	Parameter	Result	Unit	Protocol used for Analysis	Specification
1.	Total Particulate Matter (TPM)	21.26	mg/Nm ³	IS 11255 (Part 01): 2019	Max.-25

Remarks Sampling done by GECPL

-----End Report-----


 Tested By
 (Sr. Chemist/Chemist)


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 (Quality Manager)

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TEST REPORT

Report No.: GECPL/ SE-202505/12			Date:		02/06/2025	
URL No.						
Name & Address of Customer		:	M/s Hira Power and Steels Limited Khasra No. 511/1, 512/2, Urla Industrial Area, Raipur (Chhattisgarh)			
Contact Person		:	-			
Sample Collection Date & Time		:	27/05/2025 01:12 pm to 01:42 pm	Sampling Type	:	Isokinetic
Sample Receipt Date		:	29/05/2025	Sample ID	:	SE-202505/12
Sampling Location		:	CLC Convertor and thermite and Combine stack-650 KW	Sample Description	:	Stack Emission Instrument Id- GECPL/SMK/01 Fuel used :- Electricity Height of Stack :- 35 m
Sample Collected / Submitted by		:	GEPCL Team	Protocol used for monitoring	:	IS:11255
Quantity / No. of Sample		:	1 Thimble	Analysis Started On	:	29/05/2025
Packing / Seal		:	Temp. Sealed	Analysis Completed On	:	02/06/2025
Type of Container		:	Plastic Container	Format No.	:	7.8 F-06
Environmental Condition during the test			25°C ±3 °C			

Test Results

Sr. No.	Parameter	Result	Unit	Protocol used for Analysis	Specification
1.	Total Particulate Matter (TPM)	23.38	mg/Nm ³	IS 11255 (Part 01): 2019	Max.-25

Remarks Sampling done by GECPL

-----End Report-----

Tested By
 (Sr. Chemist/Chemist)

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 Mr. Neeraj Kumar yadav
 (Quality Manager)

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TEST REPORT

Report No.: GECPL/ SE-202505/12/A		Date:		02/06/2025		
URL No.						
Name & Address of Customer		:	M/s Hira Power and Steels Limited Khasra No. 511/1, 512/2, Urla Industrial Area, Raipur (Chhattisgarh)			
Contact Person		:	-			
Sample Collection Date & Time		:	27/05/2025 02:15 pm to 02:45 pm	Sampling Type	:	Isokinetic
Sample Receipt Date		:	29/05/2025	Sample ID	:	SE-202505/12
Sampling Location		:	Captive Power Plant Stack -20MW	Sample Description	:	Stack Emission Instrument Id- GECPL/SMK/01 Fuel used :- Electricity Height of Stack :- 73 m
Sample Collected / Submitted by		:	GEPCL Team	Protocol used for monitoring	:	IS:11255
Quantity / No. of Sample		:	1 Thimble, 1 SO ₂ ×50 mL, 1 NO _x ×50 mL, Tedlar Bag	Analysis Started On	:	29/05/2025
Packing / Seal		:	Temp. Sealed	Analysis Completed On	:	02/06/2025
Type of Container		:	Plastic Container	Format No.	:	7.8 F-06
Environmental Condition during the test			25°C ±3 °C			

Test Results

Sr. No.	Parameter	Result	Unit	Protocol used for Analysis	Specification
1.	Total Particulate Matter (TPM)	35.4	mg/Nm ³	IS 11255 (Part 01): 2019	Max.-50
2.	Sulphur Dioxide (SO _x)	286	mg/Nm ³	IS 11255 (Part 02): 2019	Max.-600
3.	Oxides of Nitrogen (NO _x)	152	mg/Nm ³	IS 11255 (Part 07): 2022	Max.-450
4.	Mercury (Hg)	N.D.	mg/Nm ³	AAS Method	Max.- 0.03

Remarks Sampling done by GECPL
N.D:- Not Detected

Tested By
(Sr. Chemist/Chemist)

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(Quality Manager)

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GURUKRIPA ENVIRO CARE PVT. LTD.

Complete Enviro Solution

TEST REPORT

Report No.: GECPL/ SE-20250/12/B			Date: 02/06/2025			
URL No.						
Name & Address of Customer		:	M/s Hira Power and Steels Limited Khasra No. 511/1, 512/2, Urla Industrial Area, Raipur (Chhattisgarh)			
Contact Person		:	-			
Sample Collection Date & Time		:	27/05/2025 02:15 pm to 02:45 pm	Sampling Type	:	Isokinetic
Sample Receipt Date		:	29/05/2025	Sample ID	:	SE-202505/12
Sampling Location		:	Captive Power Plant Stack -20MW	Sample Description	:	Stack Emission Instrument Id- GECPL/SMK/01 Fuel used :- Electricity Height of Stack :- 73 m
Sample Collected / Submitted by		:	GEPCL Team	Protocol used for monitoring	:	IS:11255
Quantity / No. of Sample		:	1 Thimble, 1 SO ₂ ×50 mL, 1 NO _x ×50 mL, Tedlar Bag	Analysis Started On	:	29/05/2025
Packing / Seal		:	Temp. Sealed	Analysis Completed On	:	02/06/2025
Type of Container		:	Plastic Container	Format No.	:	7.8 F-06
Environmental Condition during the test			25°C ±3 °C			

Test Results

Sr. No.	Parameter	Result	Unit	Protocol used for Analysis	Specification
5.	Carbon Monoxide (CO)	5.4	mg/Nm ³	USEPA Method No. 10	-

Remarks Sampling done by GECPL

-----End Report-----

Tested By

(Sr. Chemist/Chemist)

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(Quality Manager)

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Approved by : NABL / MoEF & CC / CPCB and SPCB / MSME / OHSAS 45001:2018 / ISO 9001:2015 / ISO 14001:2015