



Ultimate
ENVIROLYTICAL SOLUTIONS PVT. LTD.

LAB 1 : HDD-272, PHASE III - NEAR JP CHOWK, RING ROAD NO-2
KABIR NAGAR, RAIPUR (C.G.)-492099

LAB 2 : HIG-36 PHASE II, KABIR NAGAR, RAIPUR (C.G.)- 492099

PH- 0771-4523921 /Email - uespllab@gmail.com

Name & Address of The Customer

To,
Crest Steel And Power Private Limited
Village: Joratarai,
Post – Mangatta
Rajnandgaon 491441

Report No.	UESPL/TR/25-26/05111	
Lab Ref No.	UESPL/25-26/AAQM/09511-09512	
Date of Sampling	17/03/2026	
Date of Receipt	18/03/2026	
Date of Report	23/03/2026	
Date of Analysis	Start: 18/03/2026	End: 23/03/2026

SAMPLE DETAILS

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Pond Area 2. Near Canteen Area
Customer Ref. No. & Date	8300000188, Dated: 08.04.2025
Duration Of Sampling	As per CPCB norms
Sample Collected By	Laboratory Chemist
Sampling Procedure	As Per Method Reference
Sample Quantity/Packing	Filter Paper (PM ₁₀): 1X1 No., Filter Paper (PM _{2.5}): 1X1 No. SO ₂ : 30mlX1 No. PVC Bottle, NO ₂ : 30mlX1 NO. PVC Bottle.

Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM ₁₀)	IS:5182 (Part-23) :2006 RA 2022
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182 (Part-24) :2019
Sulphur Dioxide (SO ₂)	IS:5182 (Part-2/Sec.1) :2001 RA 2023
Nitrogen Dioxide (NO ₂)	IS:5182 (Part-6) :2006 RA 2022
Carbon Monoxide (CO) *	IS:5182 (Part-10)

TEST REPORT

Parameter	Unit	NAAQM Standard	Results	
			Near Pond Area	Near Canteen Area
PM ₁₀	µg/m ³	100	68.38	78.74
PM _{2.5}	µg/m ³	60	29.62	33.82
SO ₂	µg/m ³	80	23.12	27.38
NO ₂	µg/m ³	80	27.44	29.54
CO	mg/m ³	4.0	0.48	0.82

REMARKS: RESULTS ARE AS ABOVE

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Name & Address of The Customer		Report No.	UESPL/TR/25-26/05112	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No.	UESPL/25-26/W/09513	
		Date of Sampling	17/03/2026	
		Date of Receipt	18/03/2026	
		Date of Report	23/03/2026	
		Date of Analysis	Start: 18/03/2026	End: 23/03/2026
SAMPLE DETAILS				
Order /Reference:		8300000188, Dated: 08.04.2025		
Customer Sample ID / Sampling Location		New Pond		
Sample Type		Surface Water		
Sample Collected By		Laboratory Chemist		
Packing of Sample		3 L X 1 No. PVC Can, 1 L X 1 No. Glass Bottle		
Sampling Procedure		As Per Standard Method - UESPL/File/SW/01		

REPORT NO.- 05112

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Result
1	Colour	Hazen	IS:3025(Part-4):2021	5
2	Turbidity	NTU	IS:3025(Part-10):2023	0.84
3	pH	-	IS:3025(Part-11):2022	7.56
4	Residual Chlorine	mg/L	IS 3025(Part-26):2021	N.D.
5	Total Dissolved Solids	mg/L	IS:3025(Part-16):2023	268
6	Alkalinity Total (as CaCO ₃)	mg/L	IS:3025(Part-23):2023	110
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025(Part-21):2009 RA 2019	146
8	Calcium (as Ca)	mg/L	IS:3025(Part-40):1991 RA 2019	36.87
9	Magnesium (as Mg)	mg/L	APHA 24 th Ed.2023,3500-Mg-B, 274	13.12
10	Chloride (as Cl)	mg/L	IS:3025(Part-32):1988 RA 2019	23.9
11	Sulphate (as SO ₄)	mg/L	IS:3025(Part-24/Sec.1):2022	20.26
12	Nitrate (NO ₃)	mg/L	APHA 24 th Ed.2023,4500-NO3-B, 434-435	8.64
13	Boron (as B)	mg/L	IS:3025(Part-57)	N.D.
14	Iron (as Fe)	mg/L	IS:3025(Part-53):2003 RA 2019	N.D.
15	Fluoride (as F)	mg/L	IS:3025(Part-60):2008 RA 2019	N.D.
16	Manganese (as Mn)	mg/L	USEPA - SW - 846 : Method -7000B	N.D.
17	Lead (as Pb)	mg/L	IS:3025(Part-47):1994 RA 2019	N.D.
18	Zinc (as Zn)	mg/L	IS:3025(Part-49):1994 RA 2019	N.D.
19	Copper (as Cu)	mg/L	IS:3025(Part-42):1992 RA 2019	N.D.
20	Aluminium (as Al)	mg/L	IS:3025(Part-55):2003, RA 2019	N.D.
21	Mercury (as Hg)	mg/L	IS:3025(Part-48):1994 RA 2019	N.D.
22	Arsenic (as As)	mg/L	IS:3025(Part-37):2022	N.D.
23	Selenium (as Se)	mg/L	IS:3025(Part-56)	N.D.
24	Chromium (as Cr)	mg/L	IS:3025(Part-52):2003 RA 2019	N.D.
25	Sulphide (as S)	mg/L	IS:3025(Part-29)	N.D.
26	Cyanide (as CN)	mg/L	IS:3025(Part-27)	N.D.
27	Anionic Detergent	mg/L		N.D.



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REPORT NO.- 05112

TEST REPORT

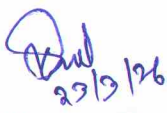
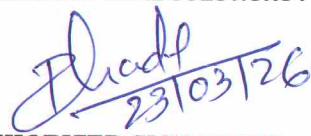
Sr. No.	Parameter	Unit	Method Reference	Result
	(as MBAS)		APHA 24 th Ed.2023, 5540-MBAS-C, 585	
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS:3025(Part-43)	N.D.
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/L	APHA 24 th Ed. 6440-PAH-B, 703	N.D.
30	Mineral Oil	mg/L	IS:3025(Part-39):1991, RA 2003, Ed. 2.1	N.D.
Microbial Parameter				
1	Total Coliform	MPN/ 100 ML	IS: 1622:1981:RA:2019	140
2	E - Coli	MPN/ 100 ML	IS: 1622:1981:RA:2019	22

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED

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Name & Address of the Customer		Report No	UESPL/TR/25-26/05113	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab. Ref. No.	UESPL/25-26/W/09514	
		Date of Sampling	17/03/2026	
		Date of Receipt	18/03/2026	
		Date of Report	23/03/2026	
		Date of Analysis	Start: 18/03/2026	End: 23/03/2026
SAMPLE DETAILS				
Customer Sample ID	Near Process Area	Customer Ref. No. & Date	8300000188, Dated: 08.04.2025	
Sample Type	Effluent Water	Sample Condition At Receipt	Ok	
Packing of Sample	Jerry Cane (3 ltr.*1) Glass bottle (1 ltr.*1)	Sample Collected By	Laboratory Chemist	
Other Details	Sealed	Quantity Received	Approx. 5Ltr.	

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT
1	pH Value at 25.2°C	–	IS:3025 (Part-11) - 2022	5.5 To 9.0	7.28
2	Total Suspended Solid	mg/L	IS:3025 (Part-17) - 2022	100	22.4
3	Chemical Oxygen Demand	mg/L	IS:3025 (Part-58) - 2023	250	48
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025 (Part-44) - 2023	30	9.8
5	Oil & Grease	mg/L	IS:3025 (Part-39) - 2021	10	Absent

Note: mg/lit.: milligram per liter. N.D.: Not Detected.

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Day
23/3/26

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23/03/26

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<i>Name & Address of The Customer</i> To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO.	UESPL/TR/25-26/05114
		LAB REF NO.	UESPL/25-26/N/09515-09516
		DATE OF REPORT	23/03/2026
		DATE OF SAMPLING	17/03/2026
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	8300000188, Dated: 08.04.2025		
Sampling Location	1. Near Pond Area 2. Near Canteen Area		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	Manufacturer's Instruction		

TEST REPORT					
LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
Near Pond Area	dB(A)	68.4	57.6	75	70
Near Canteen Area	dB(A)	67.2	58.5		

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23/3/26

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23/03/26

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Name & Address Of The Customer		Report No.	UESPL/TR/25-26/05115	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No.	UESPL/25-26/FE/09517	
		Date of Sampling	17/03/2026	
		Date of Receipt	18/03/2026	
		Date of Report	23/03/2026	
		Date of Analysis	Start: 18/03/2026	End: 23/03/2026
SAMPLE DETAILS				
Monitoring For	Fugitive Emission			
Customer Ref. No.	8300000188, Dated: 08.04.2025			
Sampling Location	Near Power Plant Area			
Duration Of Sampling	8 Hours			
Sample Collected by	Laboratory Chemist			
Sampling Procedure	As Per Method Reference			
Sample Quantity/Packing	GMF Filter Paper (8 X 10 Inch): 1x1 No.			

TEST REPORT

Locations	Unit	Suspended Particulate Matter (SPM)	Limit as per MOEF&CC Notification	Method Reference
Near Power Plant Area	µg/m ³	1249	2000	EPA Method IO-2.1

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Name & Address Of The Customer		Report No	UESPL/TR/25-26/05116	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No	UESPL/25-26/ST/09518	
		Date of Sampling	17/03/2026	
		Date of Receipt	18/03/2026	
		Date of Report	23/03/2026	
		Date of Analysis	Start: 18/03/2026	End: 23/03/2026
SAMPLE DETAILS				
Monitoring For	Stack Emission Monitoring			
Sampling Location	Stack No. - 1 (WHRB+AFBC)			
Customer Ref. No. & Date	8300000188, Dated: 08.04.2025			
Sample Collected By	Laboratory Chemist			
Sampling Procedure	IS 11255 Part 1,2:1985 Reaffirmed 2009; Part 3:2008, Part 7:2005 Reaffirmed 2012, IS 5182 (Part 10) :2003			
Sample Quantity/Packing	Thimble: 1 X 1 No., SO ₂ : 30 ml X 1 No. PVC Bottle, NO _x : 25 ml X 1 No. PVC Bottle, Rubber Bladder: 1 X 1 No., Hg: 500ml X 1 No. Glass Bottle & 500 ml X 3 No. PVC Bottle.			

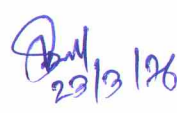
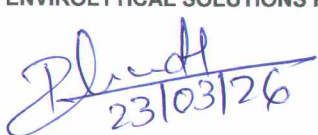
TEST REPORT

Stack details				
Stack Identity	STACK NO. - 1 (WHRB+AFBC)			
Stack Attached To	ESP			
Material of Construction	RCC			
Stack Height Above Ground Level (Mtr.)	75			
Stack Diameter	3.5			
Stack Shape At Top	CIRCULAR			
Type Of Fuel	COAL			
Parameter	Unit	Result	Limit	Method Reference
Flue Gas Temperature	°C	112.0	-	IS:11255:(Part-3):2008
Flue Gas Velocity	M/s	10.46	-	IS:11255:(Part-3):2008
Total Gas Quantity	Nm ³ /h	280282	-	IS:11255:(Part-3):2008
Particulate Matter (PM)	mg/Nm ³	25.6	30	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	216.0	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	172.4	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm ³	0.27	-	IS 13270 RA 2019

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Name & Address Of The Customer		Report No	UESPL/TR/25-26/05117
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No	UESPL/25-26/ST/09519
		Date of Sampling	17/03/2026
		Date of Receipt	18/03/2026
		Date of Report	23/03/2026
		Date of Analysis	Start: 18/03/2026 End: 23/03/2026
SAMPLE DETAILS			
Monitoring For	Stack Emission Monitoring		
Sampling Location	Stack NO - 2 (WHRB)		
Customer Ref. No. & Date	8300000188, Dated: 08.04.2025		
Sample Collected By	laboratory Chemist		
Sampling Procedure	IS 11255 Part 1,2:1985 Reaffirmed 2009; Part 3:2008, Part 7:2005 Reaffirmed 2012, IS 5182 (Part 10) :2003		
Sample Quantity/Packing	Thimble: 1 X 1 No., SO ₂ : 30 ml X 1 No. PVC Bottle, NO _x : 25 ml X 1 No. PVC Bottle, Rubber Bladder: 1 X 1 No., Hg: 500ml X 1 No. Glass Bottle & 500ml X 3 No. PVC Bottle.		

TEST REPORT

Stack details				
Stack Identity	STACK NO - 2 (WHRB)			
Stack Attached To	ESP			
Material of Construction	RCC			
Stack Height Above Ground Level (Mtr.)	65			
Stack Diameter	2.13			
Stack Shape At Top	CIRCULAR			
Type Of Fuel	COAL			
Parameter	Unit	Result	Limit	Method Reference
Flue Gas Temperature	°C	130.0	-	IS:11255:(Part-3):2008
Flue Gas Velocity	M/s	11.59	-	IS:11255:(Part-3):2008
Total Gas Quantity	Nm ³ /h	109882	-	IS:11255:(Part-3):2008
Particulate Matter (PM)	mg/Nm ³	27.8	30	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	316.0	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	190.4	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm ³	0.32	-	IS 13270 RA 2019

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