



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777
Email : uespllab@gmail.com, ultimatenviro@gmail.com

Name & Address of The Customer

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

Report No.	UESPL/TR/25-26/00063	
Lab Ref No.	UESPL/25-26/AAQM/00079-00080	
Date of Sampling	23/04/2025	
Date of Receipt	24/04/2025	
Date of Report	28/04/2025	
Date of Analysis	Start:24/04/2025	End:28/04/2025

SAMPLE DETAILS

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Canteen Area 2. Near RMP 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 Canteen Area	Near RMP Area
PM ₁₀	µg/m ³	100	78.32	74.44
PM _{2.5}	µg/m ³	60	34.06	31.52
SO ₂	µg/m ³	80	29.14	25.71
NO ₂	µg/m ³	80	33.49	31.79
CO	mg/m ³	4.0	0.79	0.69

REMARKS: RESULTS ARE AS ABOVE

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For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD

AUTHORIZED SIGNATORY

-----End of the test report-----



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Name & Address of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441	Report No.	UESPL/TR/25-26/00064	
	Lab Ref No.	UESPL/25-26/W/00081	
	Date of Sampling	23/04/2025	
	Date of Receipt	24/04/2025	
	Date of Report	28/04/2025	
	Date of Analysis	Start:24/04/2025	End:28/04/2025
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.- 00064

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Result
1	Colour	Hazen	IS:3025(Part-4):2021	10
2	Turbidity	NTU	IS:3025(Part-10):2023	0.96
3	pH	-	IS:3025(Part-11):2022	7.36
4	Residual Chlorine	mg/L	IS 3025(Part-26):2021	N.D.
5	Total Dissolved Solids	mg/L	IS:3025(Part-16):2023	230
6	Alkalinity Total (as CaCO ₃)	mg/L	IS:3025(Part-23):2023	92
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025(Part-21):2009 RA 2019	132
8	Calcium (as Ca)	mg/L	IS:3025(Part-40):1991 RA 2019	32.86
9	Magnesium (as Mg)	mg/L	APHA 24 th Ed.2023,3500-Mg-B, 274	12.15
10	Chloride (as Cl)	mg/L	IS:3025(Part-32):1988 RA 2019	20.99
11	Sulphate (as SO ₄)	mg/L	IS:3025(Part-24/Sec.1):2022	14.26
12	Nitrate (NO ₃)	mg/L	APHA 24th Ed.2023,4500-NO3-B, 434-435	4.11
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 (as MBAS)	mg/L	APHA 24 th Ed.2023, 5540-MBAS-C, 585	N.D.

REPORT NO.- 00064

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Result
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	60
2	E - Coli	MPN/100 ML	IS: 1622:1981:RA:2019	14

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED**Terms & conditions**

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Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Report No	UESPL/TR/25-26/00065
		Lab. Ref. No.	UESPL/25-26/W/00082
		Date of Sampling	23/04/2025
		Date of Receipt	24/04/2025
		Date of Report	28/04/2025
		Date of Analysis	Start:24/04/2025 End:28/04/2025
SAMPLE DETAILS			
Customer Sample ID	Near DM Plant	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	7.45
2	Total Suspended Solid	mg/L	IS:3025 (Part-17) - 2022	100	6.2
3	Chemical Oxygen Demand	mg/L	IS:3025 (Part-58) - 2023	250	80
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025 (Part-44) - 2023	30	11.4
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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Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO.	UESPL/TR/25-26/00066
		LAB REF NO.	UESPL/25-26/N/00083-00084
		DATE OF REPORT	28/04/2025
		DATE OF SAMPLING	23/04/2025
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	8300000188, Dated: 08.04.2025		
Sampling Location	1. Near Canteen Area 2. Near RMP 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 Canteen Area	dB(A)	69.8	54.6	75	70
Near RMP Area	dB(A)	71.2	58.3		

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Name & Address Of The Customer

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

Report No.	UESPL/TR/25-26/00067	
Lab Ref No.	UESPL/25-26/FE/00085	
Date of Sampling	23/04/2025	
Date of Receipt	24/04/2025	
Date of Report	28/04/2025	
Date of Analysis	Start:24/04/2025	End:28/04/2025

SAMPLE DETAILS

Monitoring For	Fugitive Emission
Customer Ref. No.	8300000188, Dated: 08.04.2025
Sampling Location	Near Security Barrack
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 DM Plant Area	$\mu\text{g}/\text{m}^3$	1262	2000	EPA Method IO-2.1

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Buy
28/4/25

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Plat
28/04/25

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Name & Address Of The Customer		Report No	UESPL/TR/25-26/00068	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No	UESPL/25-26/ST/00086	
		Date of Sampling	23/04/2025	
		Date of Receipt	24/04/2025	
		Date of Report	28/04/2025	
		Date of Analysis	Start:24/04/2025	End:28/04/2025
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 & 500ml 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	72.0	-	IS:11255:(Part-3):2008
Flue Gas Velocity	M/s	9.24	-	IS:11255:(Part-3):2008
Total Gas Quantity	Nm ³ /h	276297.8	-	IS:11255:(Part-3):2008
Total Particulate Matter (TPM)	mg/Nm ³	34.7	50	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	222.0	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	177.2	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm ³	0.34	-	IS 13270 RA 2019

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Name & Address Of The Customer		Report No	UESPL/TR/25-26/00069	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No	UESPL/25-26/ST/00087	
		Date of Sampling	23/04/2025	
		Date of Receipt	24/04/2025	
		Date of Report	28/04/2025	
		Date of Analysis	Start:24/04/2025	End:28/04/2025
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	137.0	-	IS:11255:(Part-3):2008
Flue Gas Velocity	M/s	11.36	-	IS:11255:(Part-3):2008
Total Gas Quantity	Nm ³ /h	105862.5	-	IS:11255:(Part-3):2008
Total Particulate Matter (TPM)	mg/Nm ³	41.06	50	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	326.7	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	206.8	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm ³	0.38	-	IS 13270 RA 2019

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Paul
28/4/25
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For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD

Paul
28/04/25
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