



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

<i>Name & Address of The Customer</i>		Report No.	UESPL/TR/25-26/02187	
To,		Lab Ref No.	UESPL/25-26/AAQM/04343-04344	
Crest Steel And Power Private Limited		Date of Sampling	30/09/2025	
Village: Joratarai,		Date of Receipt	01/10/2025	
Post – Mangatta		Date of Report	06/10/2025	
Rajnandgaon 491441		Date of Analysis	Start: 01/10/2025	End: 06/10/2025
SAMPLE DETAILS				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	1. Near Kiln No.3 2. Near Pond 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 Kiln No.3	Near Pond Area
PM ₁₀	µg/m ³	100	67.48	62.96
PM _{2.5}	µg/m ³	60	27.26	26.08
SO ₂	µg/m ³	80	24.59	20.26
NO ₂	µg/m ³	80	28.72	24.42
CO	mg/m ³	4.0	0.26	0.18

REMARKS: RESULTS ARE AS ABOVE

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 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD AUTHORIZED SIGNATORY
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-----End of the test report-----



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

<i>Name & Address of The Customer</i>		Report No.	UESPL/TR/25-26/02188		
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No.	UESPL/25-26/W/04345		
		Date of Sampling	30/09/2025		
		Date of Receipt	01/10/2025		
		Date of Report	06/10/2025		
		Date of Analysis	Start: 01/10/2025	End: 06/10/2025	
		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.- 2188

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	0.74
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	298
6	Alkalinity Total (as CaCO ₃)	mg/L	IS:3025(Part-23):2023	112
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025(Part-21):2009 RA 2019	166
8	Calcium (as Ca)	mg/L	IS:3025(Part-40):1991 RA 2019	40.08
9	Magnesium (as Mg)	mg/L	APHA 24 th Ed.2023,3500-Mg-B, 274	16.03
10	Chloride (as Cl)	mg/L	IS:3025(Part-32):1988 RA 2019	24.9
11	Sulphate (as SO ₄)	mg/L	IS:3025(Part-24/Sec.1):2022	14.28
12	Nitrate (NO ₃)	mg/L	APHA 24th Ed.2023,4500-NO3-B, 434-435	5.62
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.



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TEST REPORT

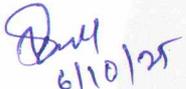
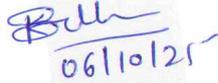
Sr. No.	Parameter	Unit	Method Reference	Result
27	Anionic Detergent (as MBAS)	mg/L	APHA 24 th Ed.2023, 5540-MBAS-C, 585	N.D.
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS:3025(Part-43)	N.D.
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/L	APHA 24 th Ed. 6440-PAH-B, 703	N.D.
30	Mineral Oil	mg/L	IS:3025(Part-39):1991, RA 2003, Ed. 2.1	N.D.
Microbial Parameter				
1	Total Coliform	MPN/ 100 ML	IS: 1622:1981:RA:2019	115
2	E - Coli	MPN/ 100 ML	IS: 1622:1981:RA:2019	38

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED

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 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD  AUTHORIZED SIGNATORY
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-----End of the test report.....



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

Name & Address of the Customer		Report No	UESPL/TR/25-26/02189
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab. Ref. No.	UESPL/25-26/W/04346
		Date of Sampling	30/09/2025
		Date of Receipt	01/10/2025
		Date of Report	06/10/2025
		Date of Analysis	Start: 01/10/2025 End: 06/10/2025
		SAMPLE DETAILS	
Customer Sample ID	Near SMS 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	7.62
2	Total Suspended Solid	mg/L	IS:3025 (Part-17) - 2022	100	10.4
3	Chemical Oxygen Demand	mg/L	IS:3025 (Part-58) - 2023	250	34
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025 (Part-44) - 2023	30	6.2
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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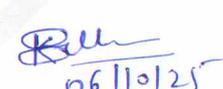
<i>Name & Address Of The Customer</i>		REPORT NO.	UESPL/TR/25-26/02190
To,		LAB REF NO.	UESPL/25-26/N/04347-04348
Crest Steel And Power Private Limited		DATE OF REPORT	06/10/2025
Village: Joratarai,		DATE OF SAMPLING	30/09/2025
Post – Mangatta			
Rajnandgaon 491441			
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	8300000188, Dated: 08.04.2025		
Sampling Location	1. Near Kiln No. - 3 2. Near Pond 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 Kiln No. - 3	dB(A)	65.9	54.2	75	70
Near Pond Area	dB(A)	67.8	56.9		

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 6/10/25 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD  06/10/25 AUTHORIZED SIGNATORY
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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/25-26/02191	
	Lab Ref No.	UESPL/25-26/FE/04349	
	Date of Sampling	30/09/2025	
	Date of Receipt	01/10/2025	
	Date of Report	06/10/2025	
	Date of Analysis	Start: 01/10/2025	End: 06/10/2025
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	1218	2000	EPA Method IO-2.1

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Name & Address Of The Customer		Report No	UESPL/TR/25-26/02192	
To,		Lab Ref No	UESPL/25-26/ST/04350	
Crest Steel And Power Private Limited		Date of Sampling	30/09/2025	
Village: Joratarai,		Date of Receipt	01/10/2025	
Post – Mangatta		Date of Report	06/10/2025	
Rajnandgaon 491441		Date of Analysis	Start: 01/10/2025	End: 06/10/2025
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	89.0	-	IS:11255:(Part-3):2008
Flue Gas Velocity	M/s	9.84	-	IS:11255:(Part-3):2008
Total Gas Quantity	Nm ³ /h	280421	-	IS:11255:(Part-3):2008
Total Particulate Matter (TPM)	mg/Nm ³	18.64	30	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	204.0	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	162.5	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm ³	0.16	-	IS 13270 RA 2019

REMARKS : N.D. : NOT DETECTED

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 6/10/25 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD  06/10/25 AUTHORIZED SIGNATORY
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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

<i>Name & Address Of The Customer</i>		Report No	UESPL/TR/25-26/02193	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No	UESPL/25-26/ST/04351	
		Date of Sampling	30/09/2025	
		Date of Receipt	01/10/2025	
		Date of Report	06/10/2025	
		Date of Analysis	Start: 01/10/2025	End: 06/10/2025
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	146.0	-	IS:11255:(Part-3):2008
Flue Gas Velocity	M/s	11.32	-	IS:11255:(Part-3):2008
Total Gas Quantity	Nm ³ /h	103223	-	IS:11255:(Part-3):2008
Total Particulate Matter (TPM)	mg/Nm ³	24.8	30	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	304.6	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	182.9	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm ³	0.20	-	IS 13270 RA 2019

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