



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

Name & Address of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Report No.	UESPL/TR/25-26/00446	
		Lab Ref No.	UESPL/25-26/AAQM/00942-00943	
		Date of Sampling	16/05/2025	
		Date of Receipt	18/05/2025	
		Date of Report	22/05/2025	
		Date of Analysis	Start:18/05/2025	End:22/05/2025
SAMPLE DETAILS				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	1. Near Kiln No. - 3 2. Near Main Store 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 Main Store Area
PM ₁₀	µg/m ³	100	77.49	73.58
PM _{2.5}	µg/m ³	60	34.18	30.66
SO ₂	µg/m ³	80	30.24	25.88
NO ₂	µg/m ³	80	33.49	31.04
CO	mg/m ³	4.0	0.68	0.61

REMARKS: RESULTS ARE AS ABOVE

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[Signature]
22/5/25

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<i>Name & Address of The Customer</i>		Report No.	UESPL/TR/25-26/00447	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No.	UESPL/25-26/W/00944	
		Date of Sampling	16/05/2025	
		Date of Receipt	18/05/2025	
		Date of Report	22/05/2025	
		Date of Analysis	Start: 18/05/2025	End: 22/05/2025
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.- 00447

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	0.82
3	pH	-	IS:3025(Part-11):2022	7.25
4	Residual Chlorine	mg/L	IS 3025(Part-26):2021	N.D.
5	Total Dissolved Solids	mg/L	IS:3025(Part-16):2023	264
6	Alkalinity Total (as CaCO ₃)	mg/L	IS:3025(Part-23):2023	102
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025(Part-21):2009 RA 2019	140
8	Calcium (as Ca)	mg/L	IS:3025(Part-40):1991 RA 2019	38.48
9	Magnesium (as Mg)	mg/L	APHA 24 th Ed.2023,3500-Mg-B, 274	10.69
10	Chloride (as Cl)	mg/L	IS:3025(Part-32):1988 RA 2019	28.9
11	Sulphate (as SO ₄)	mg/L	IS:3025(Part-24/Sec.1):2022	19.64
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.
27	Anionic Detergent (as MBAS)	mg/L	APHA 24 th Ed.2023, 5540-MBAS-C, 585	N.D.



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REPORT NO.- 00447




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	80
2	E - Coli	MPN/ 100 ML	IS: 1622:1981:RA:2019	22

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/25-26/00448
		Lab. Ref. No.	UESPL/25-26/W/00945
		Date of Sampling	16/05/2025
		Date of Receipt	18/05/2025
		Date of Report	22/05/2025
		Date of Analysis	Start: 18/05/2025 End: 22/05/2025
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



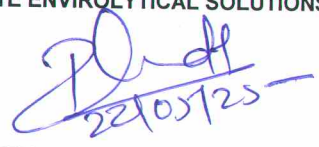
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT
1	pH Value at 25.2°C	–	IS:3025 (Part-11) - 2022	5.5 To 9.0	7.36
2	Total Suspended Solid	mg/L	IS:3025 (Part-17) - 2022	100	5.8
3	Chemical Oxygen Demand	mg/L	IS:3025 (Part-58) - 2023	250	60
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025 (Part-44) - 2023	30	10.8
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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Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO.	UESPL/TR/25-26/00449
		LAB REF NO.	UESPL/25-26/N/00946-00947
		DATE OF REPORT	22/05/2025
		DATE OF SAMPLING	16/05/2025
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 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 Kiln No. - 3	dB(A)	68.5	53.2	75	70
Near Main Store Area	dB(A)	70.6	57.8		

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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/25-26/00450	
		Lab Ref No.		UESPL/25-26/FE/00948	
		Date of Sampling		16/05/2025	
		Date of Receipt		18/05/2025	
		Date of Report		22/05/2025	
		Date of Analysis		Start:18/05/2025	End:22/05/2025
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.			



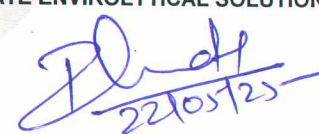
TEST REPORT

Locations	Unit	Suspended Particulate Matter (SPM)	Limit as per MOEF&CC Notification	Method Reference
Near DM Plant Area	µg/m ³	1256	2000	EPA Method IO-2.1

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To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Report No	UESPL/TR/25-26/00451	
		Lab Ref No	UESPL/25-26/ST/00949	
		Date of Sampling	16/05/2025	
		Date of Receipt	18/05/2025	
		Date of Report	22/05/2025	
		Date of Analysis	Start:18/05/2025	End:22/05/2025
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.			

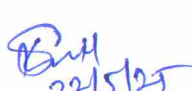

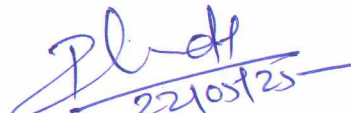
TEST REPORT

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	33.0	50	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	220.4	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	175.0	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm ³	0.31	-	IS 13270 RA 2019

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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/25-26/00452	
		Lab Ref No	UESPL/25-26/ST/00950	
		Date of Sampling	16/05/2025	
		Date of Receipt	18/05/2025	
		Date of Report	22/05/2025	
		Date of Analysis	Start:18/05/2025	End:22/05/2025
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.			

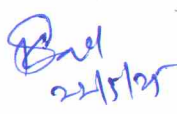

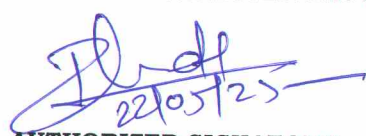
TEST REPORT

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	40.1	50	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	324.0	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	204.6	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm ³	0.35	-	IS 13270 RA 2019

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