



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		Report No.	UESPL/TR/24-25/04308	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No.	UESPL/24-25/AAQM/07743-07744	
		Date of Sampling	25/11/2024	
		Date of Receipt	26/11/2024	
		Date of Report	30/11/2024	
		Date of Analysis	Start: 26/11/2024	End: 30/11/2024
SAMPLE DETAILS				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	1. Near Main Gate Area 2. Near Kiln No.3 Area			
Customer Ref. No. & Date	4232200698, Dated: 29.03.2024			
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 Main Gate Area	Near Kiln No.3 Area (Location Changed)
PM ₁₀	µg/m ³	100	67.49	65.36
PM _{2.5}	µg/m ³	60	28.92	27.71
SO ₂	µg/m ³	80	15.69	13.72
NO ₂	µg/m ³	80	19.44	18.25
CO	mg/m ³	4.0	0.49	0.33

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The use of the report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD

AUTHORIZED SIGNATORY

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



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/24-25/04309	
		LAB REF NO.	UESPL/24-25/W/07745	
		DATE OF SAMPLING	25/11/2024	
		DATE OF RECEIPT	26/11/2024	
		DATE OF REPORT	30/11/2024	
		DATE OF ANALYSIS	START: 26/11/2024	END: 30/11/2024
SAMPLE DETAILS				
ORDER /REFERENCE:	4232200698, DATED: 29.03.2024			
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	IS:3025(PART I):1987 RA 2003; APHA 22ND ED.2012, 1060-B, 1-39			

REPORT NO. – 04309

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
1	Colour	Hazen	IS:3025 (Part-4) - 2021	5 (max)	10
2	Turbidity	NTU	IS:3025 (Part-10)- 2023	1.0 (max)	0.51
3	pH	-	IS:3025 (Part-11)-2022	6.5 To 8.5	7.31
4	Residual Chlorine	mg/L	IS 3025 : Part 26 : 2021	0.2 (max)	N.D.
5	Total Dissolved Solids	mg/L	IS:3025 (Part-16)-2023	500 (max)	338
6	Alkalinity Total (as CaCO ₃)	mg/L	IS:3025 (Part-23)-2023	200 (max)	102
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025 (Part-21)-2009 RA 2019	200 (max)	188
8	Calcium (as Ca)	mg/L	IS:3025 (Part-40)- 1991 RA 2019	75 (max)	52.10
9	Magnesium (as Mg)	mg/L	APHA 24 th Ed.2023,3500-Mg-B, 274	30 (max)	14.09
10	Chloride (as Cl)	mg/L	IS:3025 (Part-32)- 1988 RA 2019	250 (max)	42.9
11	Sulphate (as SO ₄)	mg/L	IS:3025 (Part-24/Sec. 1)- 2022	200 (max)	31.25
12	Nitrate (NO ₃)	mg/L	APHA 24th Ed.2023,4500-NO3-B, 434-435	45 (max)	17.74
13	Boron (as B)	mg/L	IS:3025:(Part-57)	0.5 (max)	N.D.
14	Iron (as Fe)	mg/L	IS:3025 (Part-53) - 2003 RA 2019	0.3 (max)	N.D.
15	Fluoride (as F)	mg/L	IS:3025 (Part-60)-2008 RA 2019	1.0 (max)	N.D.
16	Manganese (as Mn)	mg/L	USEPA - SW - 846 : Method -7000B	0.1 (max)	N.D.
17	Lead (as Pb)	mg/L	IS:3025 (Part-47) -1994 RA 2019	0.01 (max)	N.D.
18	Zinc (as Zn)	mg/L	IS:3025 (Part-49), 1994 RA 2019	5.0 (max)	N.D.
19	Copper (as Cu)	mg/L	IS:3025 (Part-42)- 1992 RA 2019	0.05 (max)	N.D.
20	Aluminium (as Al)	mg/L	IS:3025 (Part-55): 2003, RA 2019	0.03 (max)	N.D.
21	Mercury (as Hg)	mg/L	IS:3025 (Part-48) - 1994 RA 2019	0.001(max)	N.D.
22	Arsenic (as As)	mg/L	IS:3025 (Part-37)-2022	0.01 (max)	N.D.

REPORT NO. - 04309

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
23	Selenium (as Se)	mg/L	IS:3025:(Part-56)	0.1 (max)	N.D.
24	Chromium (as Cr)	mg/L	IS:3025 (Part-52)-2003 RA 2019	0.001(max)	N.D.
25	Sulphide (as S)	mg/L	IS:3025:(Part-29)	0.01 (max)	N.D.
26	Cyanide (as CN)	mg/L	IS:3025:(Part-27)	0.05 (max)	N.D.
27	Anionic Detergent (as MBAS)	mg/L	APHA 24 th Ed.2023, 5540-MBAS-C, 585	0.02 (max)	N.D.
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS:3025:(Part-43)	0.001(max)	N.D.
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/L	APHA 24 th Ed. 6440-PAH-B, 703	0.0001(max)	N.D.
30	Mineral Oil	mg/L	IS:3025 (Part-39):1991, RA 2003, Ed. 2.1	0.05 (max)	N.D.

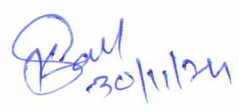


Microbial Parameter

1	Total Coliform	MPN/100 ML	IS:1622:1981:RA: 2019	Shall not be detectable in any 100 ml sample	60
2	E - Coli	MPN/100 ML	IS:1622:1981:RA: 2019	Shall not be detectable in any 100 ml sample	26

Note: mg/lit.: milligram per liter.

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

- The report for publication, arbitration or as the legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customers.
- This is for information as the party has asked for the above test(s) only

 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD  AUTHORIZED SIGNATORY
---	---	---

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



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/24-25/04310
		LAB REF NO.	UESPL/24-25/N/07746-07747
		DATE OF REPORT	30/11/2024
		DATE OF SAMPLING	25/11/2024
SAMPLE DETAILS			
Monitoring For		Noise Level Monitoring	
Customer Ref. No. & Date		4232200698, DATED: 29.03.2024	
Sampling Location		1. Near Canteen Area 2. Near Kiln No.3 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)	68.4	60.7	75	70
Near Kiln No.3 Area	dB(A)	71.6	61.1		

REMARKS: RESULTS ARE AS ABOVE
Terms & conditions

- The use of the report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

 REVIEWED BY		 For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD AUTHORIZED SIGNATORY
---	---	---

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



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

<i>Name & Address Of The Customer</i>		REPORT NO.	UESPL/TR/24-25/04311	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		LAB REF NO.	UESPL/24-25/FE/07748	
		DATE OF SAMPLING	25/11/2024	
		DATE OF RECEIPT	26/11/2024	
		DATE OF REPORT	30/11/2024	
		DATE OF ANALYSIS	START: 26/10/2024	END: 30/11/2024
SAMPLE DETAILS				
Monitoring For	Fugitive Emission			
Customer Ref. No.	4232200698, Dated: 29.03.2024			
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 Security Barrack	µg/m ³	910	2000	EPA Method IO-2.1

REMARKS:N.D.- NOT DETECTED

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD  AUTHORIZED SIGNATORY
---	---	--

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



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/24-25/04312	
Lab. Ref. No.	UESPL/24-25/W/07749	
Date of Sampling	25/11/2024	
Date of Receipt	26/11/2024	
Date of Report	30/11/2024	
Date of Analysis	Start: 26/11/2024	End: 30/11/2024

SAMPLE DETAILS

Customer Sample ID	Cooling Tower No.3	Customer Ref. No. & Date	4232200698, Dated: 29.03.2024
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	7.35
2	Total Suspended Solid	mg/L	IS:3025 (Part-17) - 2022	100	14.6
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	15.2
5	Oil & Grease	mg/L	IS:3025 (Part-39) - 2021	10	Absent

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

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The use of the report for publication, arbitration or as a legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.
- This is for information as the party has asked for the above test(s) only.

REVIEWED BY

Beal
30/11/24



For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD

AUTHORIZED SIGNATORY

[Signature]
30/11/24

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



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

To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		REPORT NO	UESPL/TR/24-25/04313	
		LAB REF NO	UESPL/24-25/ST/07750	
		DATE OF SAMPLING	25/11/2024	
		DATE OF RECEIPT	26/11/2024	
		DATE OF REPORT	30/11/2024	
		DATE OF ANALYSIS	START: 26/11/2024	END: 30/11/2024
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
SAMPLING LOCATION	STACK NO. - 1 (WHRB+AFBC)			
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, NOX: 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	68.0	-	IS:11255:(Part-3):2008
FLUE GAS VELOCITY	M/s	9.41	-	IS:11255:(Part-3):2008
TOTAL GAS QUANTITY	Nm ³ /h	284681.8	-	IS:11255:(Part-3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	38.7	50	IS:11255:(Part-1):1985 RA 2019
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	190.5	600	IS:11255:(Part-2):1985 RA 2019
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	126.2	300	IS:11255:(Part-7):2005 RA 2022
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD

AUTHORIZED SIGNATORY

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



Ultimate
ENVIROLYTICAL SOLUTIONS PVT. LTD.

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		REPORT NO	UESPL/TR/24-25/04314	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		LAB REF NO	UESPL/24-25/ST/07751	
		DATE OF SAMPLING	25/11/2024	
		DATE OF RECEIPT	26/11/2024	
		DATE OF REPORT	30/11/2024	
		DATE OF ANALYSIS	START: 26/11/2024	END: 30/11/2024
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
SAMPLING LOCATION	STACK NO - 2 (WHRB)			
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., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 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	140.0	-	IS:11255:(Part-3):2008
FLUE GAS VELOCITY	M/s	11.87	-	IS:11255:(Part-3):2008
TOTAL GAS QUANTITY	Nm ³ /h	109811.6	-	IS:11255:(Part-3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	36.4	50	IS:11255:(Part-1):1985 RA 2019
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	195.7	600	IS:11255:(Part-2):1985 RA 2019
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	122.3	300	IS:11255:(Part-7):2005 RA 2022
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

Terms & conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.

Reviewed
30/11/24
REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD

Authorized Signatory
30/11/24
AUTHORIZED SIGNATORY

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