



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, 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/24-25/01212
Lab Ref No.	UESPL/24-25/AAQM/02046-02047
Date of Sampling	22/05/2024
Date of Receipt	24/05/2024
Date of Report	28/05/2024
Date of Analysis	Start:24/05/2024 End:28/05/2024

SAMPLE DETAILS

Monitoring For	Ambient Air Quality Monitoring
Sampling Location	1. Near Main Gate Area 2. Near NewProject 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 &CPCB Guidelines Vol.-I
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182: (Part-24):2019 &CPCB Guidelines Vol.-I
Sulphur Dioxide (SO ₂)	IS:5182: (Part-2):2001&CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I
Carbon Monoxide (CO) *	IS:5182: (Part-10)

TEST REPORT

Parameter	Unit	NAAQM Standard	Results	
			Near Main Gate Area	Near New Project Area
PM ₁₀	µg/m ³	100	80.14	77.08
PM _{2.5}	µg/m ³	60	36.26	35.69
SO ₂	µg/m ³	80	19.64	16.36
NO ₂	µg/m ³	80	24.98	22.59
CO	mg/m ³	4.0	1.0	0.61

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/24-25/01213	
	LAB REF NO.		UESPL/24-25/W/02048	
	DATE OF SAMPLING		22/05/2024	
	DATE OF RECEIPT		24/05/2024	
	DATE OF REPORT		28/05/2024	
	DATE OF ANALYSIS		START: 24/05/2024	END: 28/05/2024
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. - 01213				

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
1	Colour	Hazen	IS:3025:(Part-4)	5 (max)	10
2	Turbidity	NTU	IS:3025:(Part-10)	1.0 (max)	0.84
3	pH	-	IS:3025:(Part-11)	6.5 To 8.5	7.68
4	Residual Chlorine	mg/L	IS:3025:(part-26)	0.2 (max)	N.D.
5	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	500 (max)	291
6	Alkalinity Total (as CaCO ₃)	mg/L	IS:3025:(Part-23)	200 (max)	112
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025:(Part-21)	200 (max)	198
8	Calcium (as Ca)	mg/L	IS:3025:(Part-40)	75 (max)	53.71
9	Magnesium (as Mg)	mg/L	APHA 24 th Ed.2023,3500-Mg-B, 274	30 (max)	15.55
10	Chloride (as Cl)	mg/L	IS:3025:(Part-32)	250 (max)	30.9
11	Sulphate (as SO ₄)	mg/L	IS:3025:(Part-24)	200 (max)	39.54
12	Nitrate (NO ₃)	mg/L	IS:3025:(Part-34)	45 (max)	12.37
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)	0.3 (max)	N.D.
15	Fluoride (as F)	mg/L	IS:3025:(Part-60)	1.0 (max)	N.D.
16	Manganese (as Mn)	mg/L	IS:3025:(Part-59)	0.1 (max)	N.D.
17	Lead (as Pb)	mg/L	IS:3025:(Part-47)	0.01 (max)	N.D.
18	Zinc (as Zn)	mg/L	IS:3025:(Part-49)	5.0 (max)	N.D.
19	Copper (as Cu)	mg/L	IS:3025:(Part-42)	0.05 (max)	N.D.
20	Aluminium (as Al)	mg/L	IS:3025:(Part-55)	0.03 (max)	N.D.
21	Mercury (as Hg)	mg/L	IS:3025:(Part-48)	0.001(max)	N.D.
22	Arsenic (as As)	mg/L	IS:3025:(Part-37)	0.01 (max)	N.D.
23	Selenium (as Se)	mg/L	IS:3025:(Part-56)	0.1 (max)	N.D.
24	Chromium (as Cr)	mg/L	Annex J of IS:13428	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	Annex K of IS:13428	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.

REPORT NO.- 01213

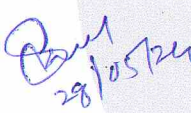
TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
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	34
2	E - Coli	MPN/100 ML	IS:1622:1981:RA: 2019	Shall not be detectable in any 100 ml sample	<2.0

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, ultimatenenviro@gmail.com

Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441	REPORT NO.	UESPL/TR/24-25/01214
	LAB REF NO.	UESPL/24-25/N/02049-02050
	DATE OF REPORT	28/05/2024
	DATE OF SAMPLING	22/05/2024

SAMPLE DETAILS

Monitoring For	Noise Level Monitoring
Customer Ref. No. & Date	4232200698, DATED: 29.03.2024
Sampling Location	1. Near Main Gate Area 2. Near New Project 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 Main Gate Area	dB(A)	67.8	53.4	75	70
Near New Project Area	dB(A)	63.2	49.7		

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/24-25/01215	
		LAB REF NO.		UESPL/24-25/FE/02051	
		DATE OF SAMPLING		22/05/2024	
		DATE OF RECEIPT		24/05/2024	
		DATE OF REPORT		28/05/2024	
		DATE OF ANALYSIS		START: 24/05/2024	END: 28/05/2024
SAMPLE DETAILS					
Monitoring For		Fugitive Emission			
Customer Ref. No.		4232200698, Dated: 29.03.2024			
Sampling Location		Near Boiler 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.			

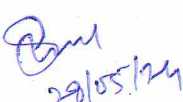


TEST REPORT

Locations	Unit	Suspended Particulate Matter (SPM)	Limit as per MOEF& CC Notification	Method Reference
Near Boiler Area	µg/m ³	886	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-----



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, 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/24-25/01216	
		Lab. Ref. No.	UESPL/24-25/W/02052	
		Date of Sampling	22/05/2024	
		Date of Receipt	24/05/2024	
		Date of Report	28/05/2024	
		Date of Analysis	Start: 24/05/2024	End: 28/05/2024
SAMPLE DETAILS				
Customer Sample ID	SID – Kiln Effluent Water	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)	5.5 To 9.0	7.34
2	Total Suspended Solid	mg/L	IS:3025:(Part-17)	100	33
3	Chemical Oxygen Demand	mg/L	IS:3025:(Part-58)	250	40
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44)	30	8.5
5	Oil & Grease	mg/L	IS:3025:(Part-39)	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.

 28/05/24 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, ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UESPL/TR/24-25/01217	
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO	UESPL/24-25/ST/02053	
		DATE OF SAMPLING	22/04/2024	
		DATE OF RECEIPT	24/05/2024	
		DATE OF REPORT	28/05/2024	
		DATE OF ANALYSIS	START: 24/05/2024	END: 28/05/2024
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.			



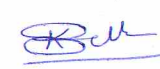
TEST REPORT

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	109.5	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.12	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	165061.0	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	44.8	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	202.0	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	129.2	300	IS 11255 (Part 7):2005
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 To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		REPORT NO		UESPL/TR/24-25/01218	
		LAB REF NO		UESPL/24-25/ST/02054	
		DATE OF SAMPLING		22/04/2024	
		DATE OF RECEIPT		24/05/2024	
		DATE OF REPORT		28/05/2024	
		DATE OF ANALYSIS		START: 24/05/2024	END: 28/05/2024
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., 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 - 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	11.12	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	101400.1	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	43.8	50	IS 11255 (Part 1):1985
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	214.5	600	IS 11255 (Part 2):1985
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	136.0	300	IS 11255 (Part 7):2005
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.-----