

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address of The Customer</i>		Report No.	UES/TR/23-24/01042	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No.	UES/23-24/AAQM/02252-02254	
		Date of Sampling	03/04/2023	
		Date of Receipt	04/04/2023	
		Date of Report	08/04/2023	
		Date of Analysis	Start: 04/04/2023	End: 08/04/2023
SAMPLE DETAILS				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	1. Near Pond Area 2. Near Power Plant 3. Near SMS			
Customer Ref. No. & Date	Verbal Communication, dated: 03.04.2023			
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, RA 2006 &CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I

TEST REPORT

Parameter	Unit	NAAQM Standard	Results		
			Near Pond Area	Near Power Plant	Near SMS
PM ₁₀	µg/m ³	100	66.2	72.0	84.6
PM _{2.5}	µg/m ³	60	35.6	36.4	43.2
SO ₂	µg/m ³	80	9.2	12.6	14.5
NO ₂	µg/m ³	80	26.4	29.8	31.2
CO	mg/m ³	4.0	0.14	0.32	0.54

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.

Rebh
08/04/23

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Subhajeet

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 : ultimatenviro@gmail.com

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<i>Name & Address of The Customer</i>		REPORT NO.	UES/TR/23-24/01043
To,		LAB REF NO.	UES/23-24/W/02255
Crest Steel And Power Private Limited		DATE OF SAMPLING	03/04/2023
Village: Joratarai,		DATE OF RECEIPT	04/04/2023
Post - Mangatta		DATE OF REPORT	08/04/2023
Rajnandgaon 491441		DATE OF ANALYSIS	START: 04/04/2023 END: 08/04/2023
SAMPLE DETAILS			
ORDER /REFERENCE:	VERBAL COMMUNICATION, DATED: 03.04.2023		
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. - 01043

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
1	Colour	Hazen	IS:3025:(Part-4)	5 (max)	<1.0
2	Turbidity	NTU	IS 3025:(Part-10)	1.0 (max)	0.95
3	pH	-	IS:3025:(Part-11)	6.5 To 8.5	7.45
4	Residual Chlorine	mg/Lit	IS 3025(part-26)	0.2 (max)	N.D.
5	Total Dissolved Solids	mg/Lit	IS 3025:(Part-16)	500 (max)	231.0
6	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025:(Part-23)	200 (max)	146.0
7	Total Hardness (as CaCO ₃)	mg/Lit	IS 3025:(Part-21)	200 (max)	156.0
8	Calcium (as Ca)	mg/Lit	IS 3025:(Part-40)	75 (max)	38.71
9	Magnesium (as Mg)	mg/Lit	IS 3025:(Part-46)	30 (max)	14.43
10	Chloride (as Cl)	mg/Lit	IS 3025:(Part-32)	250 (max)	26.9
11	Sulphate (as SO ₄)	mg/Lit	IS 3025:(Part-24)	200 (max)	24.2
12	Nitrate (NO ₃)	mg/Lit	IS 3025(part-34)	45 (max)	10.7
13	Boron (as B)	mg/Lit	IS 3025(part-57)	0.5 (max)	N.D.
14	Iron (as Fe)	mg/Lit	IS 3025(part-53)	0.3 (max)	0.08
15	Fluoride (as F)	mg/Lit	IS 3025(part-60)	1.0 (max)	0.06
16	Manganese (as Mn)	mg/Lit	IS 3025(part-59)	0.1 (max)	N.D.
17	Lead (as Pb)	mg/Lit	IS 3025(part-47)	0.01 (max)	N.D.
18	Zinc (as Zn)	mg/Lit	IS 3025(part-49)	5.0 (max)	0.18
19	Copper (as Cu)	mg/Lit	IS 3025(part-42)	0.05 (max)	N.D.
20	Aluminium (as Al)	mg/Lit	IS 3025(part-55)	0.03 (max)	N.D.
21	Mercury (as Hg)	mg/Lit	IS 3025(part-48)	0.001(max)	N.D.
22	Arsenic (as As)	mg/Lit	IS 3025(part-37)	0.01 (max)	N.D.
23	Selenium (as Se)	mg/Lit	IS 3025(part-56)	0.1 (max)	N.D.
24	Chromium (as Cr)	mg/Lit	Annex J of IS:13428	0.001(max)	N.D.
25	Sulphide (as S)	mg/Lit	APHA 22 nd Ed.2012,4500 ^{-S} -C,4-175 & F 4-178	0.01 (max)	N.D.
26	Cyanide (as CN)	mg/Lit	IS 3025(part-27)	0.05 (max)	N.D.
27	Anionic Detergent (as MBAS)	mg/Lit	Annex K of IS:13428	0.02 (max)	N.D.
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	IS 3025(part-43)	0.001(max)	N.D.

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REPORT NO. - 01043

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22 nd Ed.2012,6440-6-93	0.0001(max)	N.D.
30	Mineral Oil	mg/Lit	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	38.0
2	E - Coli	MPN/ 100 ML	IS: 1622:1981:RA:2019	Shall not be detectable in any 100 ml sample	29.0

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED

Terms & conditions

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- > This is for information as the party has asked for the analysis only

 08/04/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report.....

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<i>Name & Address Of The Customer</i>		REPORT NO.	UES/TR/23-24/01044
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO.	UES/23-24/N/02256-02258
		DATE OF REPORT	06/04/2023
		DATE OF SAMPLING	03/04/2023
		SAMPLE DETAILS	
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	Verbal Communication, dated: 03.04.2023		
Sampling Location	1. Near Turbine Floor 2. Near Kiln Area 3. Near SMS		
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 Turbine Floor	dB(A)	70.1	59.4	75	70
Near Kiln Area	dB(A)	66.6	54.1		
Near SMS Area	dB(A)	62.1	50.8		

REMARKS: RESULTS ARE AS ABOVE

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-----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.	UES/TR/23-24/01045	
	LAB REF NO.	UES/23-24/FE/02259-02261	
	DATE OF SAMPLING	03/04/2023	
	DATE OF RECEIPT	04/04/2023	
	DATE OF REPORT	08/04/2023	
	DATE OF ANALYSIS	START: 04/04/2023	END: 08/04/2023
SAMPLE DETAILS			
Monitoring For	Fugitive Emission		
Customer Ref. No.	Verbal Communication, dated: 03.04.2023		
Sampling Location	AS DESCRIBED BELOW		
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
ROAD SIDE	$\mu\text{g}/\text{m}^3$	1432	2000	EPA Method IO-2.1
RMP	$\mu\text{g}/\text{m}^3$	1228		
SMS	$\mu\text{g}/\text{m}^3$	754		

REMARKS:N.D.- NOT DETECTED

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address Of The Customer</i>		REPORT NO	UES/TR/23-24/01046	
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO	UES/23-24/ST/02262	
		DATE OF SAMPLING	03/04/2023	
		DATE OF RECEIPT	04/04/2023	
		DATE OF REPORT	08/04/2023	
		DATE OF ANALYSIS	START: 04/04/2023	END: 08/04/2023
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	92	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.13	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	173257.5	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	38.4	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	186.9	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	108.6	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

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 08/04/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report.....

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<i>Name & Address Of The Customer</i>		REPORT NO	UES/TR/23-24/01047		
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO	UES/23-24/ST/02263		
		DATE OF SAMPLING	03/04/2023		
		DATE OF RECEIPT	04/04/2023		
		DATE OF REPORT	08/04/2023		
		DATE OF ANALYSIS	START: 04/04/2023	END: 08/04/2023	
		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	95	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	7.65	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	79425.7	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	40.3	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	78.6	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	104.2	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

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 08/04/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report-----

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address Of The Customer</i>		REPORT NO.	UES/TR/23-24/01048	
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO.	UES/23-24/MISC/02264-02266	
		DATE OF SAMPLING	03/04/2023	
		DATE OF RECEIPT	04/04/2023	
		DATE OF REPORT	08/04/2023	
		DATE OF ANALYSIS	Start: 04/04/2023	End: 08/04/2023
SAMPLE DETAILS				
CUSTOMER REF. NO. & DATE	VERBAL COMMUNICATION, DATED: 03.04.2023			
SAMPLE DETAILS	1. CHAR 2. DOLOCHAR 3. SLAG			
SAMPLE TYPE	SOLID WASTE			
SAMPLE COLLECTED BY	CHEMIST			
QUANTITY RECEIVED	3 KG. APPROX EACH			

TEST REPORT

SR. NO.	PARAMETER	UNIT	LIMIT AS PER HAZARDOUS WASTES (MANAGEMENT HANDLING AND TRANS-BOUNDARY MOVEMENT) RULE 2008 OF SCHEDULE II	RESULT		
				CHAR	DOLOCHAR	SLAG
1	Iron as Fe	mg/l	-	0.27	0.29	0.97
2	Manganese as Mn	mg/l	10	0.11	0.13	0.11
3	Chromium as Cr	mg/l	5.0	0.08	0.07	0.84
4	Arsenic as As	mg/l	5.0	N.D.	N.D.	N.D.
5	Mercury as Hg	mg/l	0.2	N.D.	N.D.	N.D.

Note: N.D. - Not Detected

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.

R. B. B.
08/04/23

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Subhojeet

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 : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address of The Customer</i>		Report No.	UES/TR/23-24/01102	
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		Lab Ref No.	UES/23-24/AAQM/02308-02310	
		Date of Sampling	06/05/2023	
		Date of Receipt	08/05/2023	
		Date of Report	12/05/2023	
		Date of Analysis	Start:08/05/2023	End:12/05/2023
SAMPLE DETAILS				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	1. Near Pond Area 2. Near Power Plant 3. Near SMS			
Customer Ref. No. & Date	Verbal Communication, dated: 06.05.2023			
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, RA 2006 &CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I

TEST REPORT

Parameter	Unit	NAAQM Standard	Results		
			Near Pond Water	Near Power Plant	Near SMS
PM ₁₀	µg/m ³	100	68.6	74.4	88.7
PM _{2.5}	µg/m ³	60	34.8	37.6	44.4
SO ₂	µg/m ³	80	9.6	12.9	14.8
NO ₂	µg/m ³	80	27.1	29.9	31.8
CO	mg/m ³	4.0	0.15	0.36	0.58

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 12/05/23 REVIEWED BY	 ULTIMATE ENVIROLYTICAL SOLUTIONS HDD-272, PHASE III, NEAR JP CHOWK, RING ROAD NO. 2, KABIR NAGAR, RAIPUR (C.G.) - 492099	For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY
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-----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 : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441	REPORT NO.	UES/TR/23-24/01103	
	LAB REF NO.	UES/23-24/W/02311	
	DATE OF SAMPLING	06/05/2023	
	DATE OF RECEIPT	08/05/2023	
	DATE OF REPORT	12/05/2023	
	DATE OF ANALYSIS	START: 08/05/2023	END: 12/05/2023
SAMPLE DETAILS			
ORDER /REFERENCE:	VERBAL COMMUNICATION, DATED: 06.05.2023		
CUSTOMER SAMPLE ID / SAMPLING LOCATION	NEW POND AREA		
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. - 01103

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
1	Colour	Hazen	IS:3025:(Part-4)	5 (max)	<1.0
2	Turbidity	NTU	IS 3025:(Part-10)	1.0 (max)	0.97
3	pH	-	IS:3025:(Part-11)	6.5 To 8.5	7.48
4	Residual Chlorine	mg/Lit	IS 3025(part-26)	0.2 (max)	N.D.
5	Total Dissolved Solids	mg/Lit	IS 3025:(Part-16)	500 (max)	234.3
6	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025:(Part-23)	200 (max)	150.0
7	Total Hardness (as CaCO ₃)	mg/Lit	IS 3025:(Part-21)	200 (max)	162.0
8	Calcium (as Ca)	mg/Lit	IS 3025:(Part-40)	75 (max)	43.11
9	Magnesium (as Mg)	mg/Lit	IS 3025:(Part-46)	30 (max)	13.23
10	Chloride (as Cl)	mg/Lit	IS 3025:(Part-32)	250 (max)	28.9
11	Sulphate (as SO ₄)	mg/Lit	IS 3025:(Part-24)	200 (max)	25.3
12	Nitrate (NO ₃)	mg/Lit	IS 3025(part-34)	45 (max)	11.5
13	Boron (as B)	mg/Lit	IS 3025(part-57)	0.5 (max)	N.D.
14	Iron (as Fe)	mg/Lit	IS 3025(part-53)	0.3 (max)	0.10
15	Fluoride (as F)	mg/Lit	IS 3025(part-60)	1.0 (max)	0.08
16	Manganese (as Mn)	mg/Lit	IS 3025(part-59)	0.1 (max)	N.D.
17	Lead (as Pb)	mg/Lit	IS 3025(part-47)	0.01 (max)	N.D.
18	Zinc (as Zn)	mg/Lit	IS 3025(part-49)	5.0 (max)	0.19
19	Copper (as Cu)	mg/Lit	IS 3025(part-42)	0.05 (max)	N.D.
20	Aluminium (as Al)	mg/Lit	IS 3025(part-55)	0.03 (max)	N.D.
21	Mercury (as Hg)	mg/Lit	IS 3025(part-48)	0.001(max)	N.D.
22	Arsenic (as As)	mg/Lit	IS 3025(part-37)	0.01 (max)	N.D.
23	Selenium (as Se)	mg/Lit	IS 3025(part-56)	0.1 (max)	N.D.
24	Chromium (as Cr)	mg/Lit	Annex J of IS:13428	0.001(max)	N.D.
25	Sulphide (as S)	mg/Lit	APHA 22 nd Ed.2012,4500 ^S -C,4-175 & F 4-178	0.01 (max)	N.D.
26	Cyanide (as CN)	mg/Lit	IS 3025(part-27)	0.05 (max)	N.D.
27	Anionic Detergent (as MBAS)	mg/Lit	Annex K of IS:13428	0.02 (max)	N.D.
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	IS 3025(part-43)	0.001(max)	N.D.

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

REPORT NO. - 01103

TEST REPORT					
Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22 nd Ed.2012,6440-6-93	0.0001(max)	N.D.
30	Mineral Oil	mg/Lit	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	35.0
2	E - Coli	MPN/ 100 ML	IS: 1622:1981:RA:2019	Shall not be detectable in any 100 ml sample	21.0

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED

Terms & conditions

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 12/05/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report.....

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441	REPORT NO.	UES/TR/23-24/01103	
	LAB REF NO.	UES/23-24/W/02311	
	DATE OF SAMPLING	06/05/2023	
	DATE OF RECEIPT	08/05/2023	
	DATE OF REPORT	12/05/2023	
	DATE OF ANALYSIS	START: 08/05/2023	END: 12/05/2023
SAMPLE DETAILS			
ORDER /REFERENCE:	VERBAL COMMUNICATION, DATED: 06.05.2023		
CUSTOMER SAMPLE ID / SAMPLING LOCATION	NEW POND AREA		
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. - 01103

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
1	Colour	Hazen	IS:3025:(Part-4)	5 (max)	<1.0
2	Turbidity	NTU	IS 3025:(Part-10)	1.0 (max)	0.97
3	pH	-	IS:3025:(Part-11)	6.5 To 8.5	7.48
4	Residual Chlorine	mg/Lit	IS 3025(part-26)	0.2 (max)	N.D.
5	Total Dissolved Solids	mg/Lit	IS 3025:(Part-16)	500 (max)	234.3
6	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025:(Part-23)	200 (max)	150.0
7	Total Hardness (as CaCO ₃)	mg/Lit	IS 3025:(Part-21)	200 (max)	162.0
8	Calcium (as Ca)	mg/Lit	IS 3025:(Part-40)	75 (max)	43.11
9	Magnesium (as Mg)	mg/Lit	IS 3025:(Part-46)	30 (max)	13.23
10	Chloride (as Cl)	mg/Lit	IS 3025:(Part-32)	250 (max)	28.9
11	Sulphate (as SO ₄)	mg/Lit	IS 3025:(Part-24)	200 (max)	25.3
12	Nitrate (NO ₃)	mg/Lit	IS 3025(part-34)	45 (max)	11.5
13	Boron (as B)	mg/Lit	IS 3025(part-57)	0.5 (max)	N.D.
14	Iron (as Fe)	mg/Lit	IS 3025(part-53)	0.3 (max)	0.10
15	Fluoride (as F)	mg/Lit	IS 3025(part-60)	1.0 (max)	0.08
16	Manganese (as Mn)	mg/Lit	IS 3025(part-59)	0.1 (max)	N.D.
17	Lead (as Pb)	mg/Lit	IS 3025(part-47)	0.01 (max)	N.D.
18	Zinc (as Zn)	mg/Lit	IS 3025(part-49)	5.0 (max)	0.19
19	Copper (as Cu)	mg/Lit	IS 3025(part-42)	0.05 (max)	N.D.
20	Aluminium (as Al)	mg/Lit	IS 3025(part-55)	0.03 (max)	N.D.
21	Mercury (as Hg)	mg/Lit	IS 3025(part-48)	0.001(max)	N.D.
22	Arsenic (as As)	mg/Lit	IS 3025(part-37)	0.01 (max)	N.D.
23	Selenium (as Se)	mg/Lit	IS 3025(part-56)	0.1 (max)	N.D.
24	Chromium (as Cr)	mg/Lit	Annex J of IS:13428	0.001(max)	N.D.
25	Sulphide (as S)	mg/Lit	APHA 22 nd Ed.2012,4500 ^S -C,4-175 & F 4-178	0.01 (max)	N.D.
26	Cyanide (as CN)	mg/Lit	IS 3025(part-27)	0.05 (max)	N.D.
27	Anionic Detergent (as MBAS)	mg/Lit	Annex K of IS:13428	0.02 (max)	N.D.
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	IS 3025(part-43)	0.001(max)	N.D.

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REPORT NO. - 01103

TEST REPORT					
Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22 nd Ed.2012,6440-6-93	0.0001(max)	N.D.
30	Mineral Oil	mg/Lit	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	35.0
2	E - Coli	MPN/100 ML	IS: 1622:1981:RA:2019	Shall not be detectable in any 100 ml sample	21.0

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED

Terms & conditions

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 12/05/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report.....

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996


<i>Name & Address Of The Customer</i>		REPORT NO.	UES/TR/23-24/01104
To,		LAB REF NO.	UES/23-24/N/02312-02314
Crest Steel And Power Private Limited		DATE OF REPORT	10/05/2023
Village: Joratarai,		DATE OF SAMPLING	06/05/2023
Post - Mangatta			
Rajnandgaon 491441			
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	Verbal Communication, dated: 06.05.2023		
Sampling Location	1. Near Turbine Floor 2. Near Kiln Area 3. Near SMS		
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 Turbine Floor	dB(A)	70.8	60.2	75	70
Near Kiln Area	dB(A)	67.4	54.8		
Near SMS Area	dB(A)	62.9	51.4		

REMARKS: RESULTS ARE AS ABOVE

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 10/05/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report-----

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441	REPORT NO.	UES/TR/23-24/01105	
	LAB REF NO.	UES/23-24/FE/02315-02317	
	DATE OF SAMPLING	06/05/2023	
	DATE OF RECEIPT	08/05/2023	
	DATE OF REPORT	12/05/2023	
	DATE OF ANALYSIS	START: 08/05/2023	END: 12/05/2023
SAMPLE DETAILS			
Monitoring For	Fugitive Emission		
Customer Ref. No.	Verbal Communication, dated: 06.05.2023		
Sampling Location	AS DESCRIBED BELOW		
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
ROAD SIDE	$\mu\text{g}/\text{m}^3$	1440	2000	EPA Method IO-2.1
RMP	$\mu\text{g}/\text{m}^3$	1234		
SMS	$\mu\text{g}/\text{m}^3$	762		

REMARKS: N.D. - NOT DETECTED

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address Of The Customer</i>		REPORT NO	UES/TR/23-24/01106	
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO	UES/23-24/ST/02318	
		DATE OF SAMPLING	06/05/2023	
		DATE OF RECEIPT	08/05/2023	
		DATE OF REPORT	12/05/2023	
		DATE OF ANALYSIS	START:08/05/2023	END:12/05/2023
		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	96	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.68	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	186756.0	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	39.8	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	194.2	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	104.6	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

Terms & conditions

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- 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

 12/05/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report.....

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<i>Name & Address Of The Customer</i>		REPORT NO	UES/TR/23-24/01107	
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO	UES/23-24/ST/02319	
		DATE OF SAMPLING	06/05/2023	
		DATE OF RECEIPT	08/05/2023	
		DATE OF REPORT	12/05/2023	
		DATE OF ANALYSIS	START: 08/05/2023	END: 12/05/2023
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	98	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	7.83	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	80637.2	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	41.4	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	189.8	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	101.9	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

Terms & conditions

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 12/05/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report-----

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441	REPORT NO.	UES/TR/23-24/01108	
	LAB REF NO.	UES/23-24/MISC/02320-02322	
	DATE OF SAMPLING	06/05/2023	
	DATE OF RECEIPT	08/05/2023	
	DATE OF REPORT	12/05/2023	
	DATE OF ANALYSIS	Start:08/05/2023	End: 12/05/2023
SAMPLE DETAILS			
CUSTOMER REF. NO. & DATE	VERBAL COMMUNICATION, DATED: 06.05.2023		
SAMPLE DETAILS	1. CHAR 2. DOLOCHAR 3. SLAG		
SAMPLE TYPE	SOLID WASTE		
SAMPLE COLLECTED BY	CHEMIST		
QUANTITY RECEIVED	3 KG. APPROX EACH		

TEST REPORT

SR. NO.	PARAMETER	UNIT	LIMIT AS PER HAZARDOUS WASTES (MANAGEMENT HANDLING AND TRANS-BOUNDARY MOVEMENT) RULE 2008 OF SCHEDULE II	RESULT		
				CHAR	DOLOCHAR	SLAG
1	Iron as Fe	mg/l	-	0.28	0.32	0.89
2	Manganese as Mn	mg/l	10	0.12	0.15	0.18
3	Chromium as Cr	mg/l	5.0	0.08	0.09	0.71
4	Arsenic as As	mg/l	5.0	N.D.	N.D.	N.D.
5	Mercury as Hg	mg/l	0.2	N.D.	N.D.	N.D.

Note: N.D. - Not Detected

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The above analysis report refers to the particular sample received at our end and 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.

Rele
12/05/23

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Subhajeet

AUTHORIZED SIGNATORY

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address of The Customer</i>		Report No.	UES/TR/23-24/01170	
To, Crest Steel And Power Private Limited Village: Joratarai, Post – Mangatta Rajnandgaon 491441		Lab Ref No.	UES/23-24/AAQM/02380-02382	
		Date of Sampling	05/06/2023	
		Date of Receipt	06/06/2023	
		Date of Report	10/06/2023	
		Date of Analysis	Start:06/06/2023	End:10/06/2023
SAMPLE DETAILS				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	1. Near Pond Area 2. Near Power Plant 3. Near SMS			
Customer Ref. No. & Date	Verbal Communication, dated: 05.06.2023			
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, RA 2006 &CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182: (Part-6):2006 & CPCB Guidelines Vol.-I


TEST REPORT

Parameter	Unit	NAAQM Standard	Results		
			Near Pond Water	Near Power Plant	Near SMS
PM ₁₀	µg/m ³	100	64.1	70.2	82.6
PM _{2.5}	µg/m ³	60	31.4	33.1	39.5
SO ₂	µg/m ³	80	9.0	10.2	12.4
NO ₂	µg/m ³	80	24.4	26.5	28.7
CO	mg/m ³	4.0	0.10	0.24	0.36

REMARKS: RESULTS ARE AS ABOVE

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- This is for information as the party has asked for above test(s) only.


10/06/23

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For ULTIMATE ENVIROLYTICAL SOLUTIONS



AUTHORIZED SIGNATORY

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address of The Customer</i>		REPORT NO.	UES/TR/23-24/01171
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO.	UES/23-24/W/02383
		DATE OF SAMPLING	05/06/2023
		DATE OF RECEIPT	06/06/2023
		DATE OF REPORT	10/06/2023
		DATE OF ANALYSIS	START: 06/06/2023 END: 10/06/2023
SAMPLE DETAILS			
ORDER /REFERENCE:	VERBAL COMMUNICATION, DATED: 05.06.2023		
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. - 01171

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
1	Colour	Hazen	IS:3025:(Part-4)	5 (max)	<1.0
2	Turbidity	NTU	IS 3025:(Part-10)	1.0 (max)	0.98
3	pH	-	IS:3025:(Part-11)	6.5 To 8.5	7.51
4	Residual Chlorine	mg/Lit	IS 3025(part-26)	0.2 (max)	N.D.
5	Total Dissolved Solids	mg/Lit	IS 3025:(Part-16)	500 (max)	238.7
6	Alkalinity Total (as CaCO ₃)	mg/Lit	IS 3025:(Part-23)	200 (max)	154.0
7	Total Hardness (as CaCO ₃)	mg/Lit	IS 3025:(Part-21)	200 (max)	166.0
8	Calcium (as Ca)	mg/Lit	IS 3025:(Part-40)	75 (max)	39.27
9	Magnesium (as Mg)	mg/Lit	IS 3025:(Part-46)	30 (max)	16.52
10	Chloride (as Cl)	mg/Lit	IS 3025:(Part-32)	250 (max)	32.2
11	Sulphate (as SO ₄)	mg/Lit	IS 3025:(Part-24)	200 (max)	26.4
12	Nitrate (NO ₃)	mg/Lit	IS 3025(part-34)	45 (max)	11.9
13	Boron (as B)	mg/Lit	IS 3025(part-57)	0.5 (max)	N.D.
14	Iron (as Fe)	mg/Lit	IS 3025(part-53)	0.3 (max)	0.12
15	Fluoride (as F)	mg/Lit	IS 3025(part-60)	1.0 (max)	0.09
16	Manganese (as Mn)	mg/Lit	IS 3025(part-59)	0.1 (max)	N.D.
17	Lead (as Pb)	mg/Lit	IS 3025(part-47)	0.01 (max)	N.D.
18	Zinc (as Zn)	mg/Lit	IS 3025(part-49)	5.0 (max)	0.17
19	Copper (as Cu)	mg/Lit	IS 3025(part-42)	0.05 (max)	N.D.
20	Aluminium (as Al)	mg/Lit	IS 3025(part-55)	0.03 (max)	N.D.
21	Mercury (as Hg)	mg/Lit	IS 3025(part-48)	0.001(max)	N.D.
22	Arsenic (as As)	mg/Lit	IS 3025(part-37)	0.01 (max)	N.D.
23	Selenium (as Se)	mg/Lit	IS 3025(part-56)	0.1 (max)	N.D.
24	Chromium (as Cr)	mg/Lit	Annex J of IS:13428	0.001(max)	N.D.
25	Sulphide (as S)	mg/Lit	APHA 22 nd Ed.2012,4500 ^S -C,4-175 & F 4-178	0.01 (max)	N.D.
26	Cyanide (as CN)	mg/Lit	IS 3025(part-27)	0.05 (max)	N.D.
27	Anionic Detergent (as MBAS)	mg/Lit	Annex K of IS:13428	0.02 (max)	N.D.
28	Phenolic Compound (as C ₆ H ₅ OH)	mg/Lit	IS 3025(part-43)	0.001(max)	N.D.

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

REPORT NO. - 01171

TEST REPORT

Sr. No.	Parameter	Unit	Method Reference	Limits as per IS 10500 : 2012	Result
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/Lit	APHA 22 nd Ed.2012,6440-6-93	0.0001(max)	N.D.
30	Mineral Oil	mg/Lit	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	40.0
2	E - Coli	MPN/ 100 ML	IS: 1622:1981:RA:2019	Shall not be detectable in any 100 ml sample	29.0

Note: mg/lit.: milligram per liter.

REMARKS: N.D.- NOT DETECTED

Terms & conditions

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- > This is for information as the party has asked for the above test(s) only

 10/06/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report.....

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address Of The Customer</i>		REPORT NO.	UES/TR/23-24/01172
To,		LAB REF NO.	UES/23-24/N/02384-02386
Crest Steel And Power Private Limited		DATE OF REPORT	08/06/2023
Village: Joratarai,		DATE OF SAMPLING	05/06/2023
Post - Mangatta			
Rajnandgaon 491441			
SAMPLE DETAILS			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	Verbal Communication, dated: 05.06.2023		
Sampling Location	1. Near Turbine Floor 2. Near Kiln Area 3. Near SMS		
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 Turbine Floor	dB(A)	66.2	57.4	75	70	
Near Kiln Area	dB(A)	62.1	50.2			
Near SMS Area	dB(A)	58.5	46.6			

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.

<p><i>Belu</i> 08/06/23</p> <p>REVIEWED BY</p>		<p>For ULTIMATE ENVIROLYTICAL SOLUTIONS</p> <p><i>Subhajeel</i></p> <p>AUTHORIZED SIGNATORY</p>
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-----End of the test report-----

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441	REPORT NO.	UES/TR/23-24/01173	
	LAB REF NO.	UES/23-24/FE/02387-02389	
	DATE OF SAMPLING	05/06/2023	
	DATE OF RECEIPT	06/06/2023	
	DATE OF REPORT	10/06/2023	
	DATE OF ANALYSIS	START: 06/06/2023	END: 10/06/2023
SAMPLE DETAILS			
Monitoring For	Fugitive Emission		
Customer Ref. No.	Verbal Communication, dated: 05.06.2023		
Sampling Location	AS DESCRIBED BELOW		
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.		

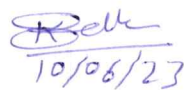


TEST REPORT

Locations	Unit	Suspended Particulate Matter (SPM)	Limit as per Moef & CC Notification	Method Reference
ROAD SIDE	$\mu\text{g}/\text{m}^3$	1421	2000	EPA Method IO-2.1
RMP	$\mu\text{g}/\text{m}^3$	1216		
SMS	$\mu\text{g}/\text{m}^3$	748		

REMARKS: N.D. - NOT DETECTED

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 10/06/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report-----

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address Of The Customer</i>		REPORT NO	UES/TR/23-24/01174		
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO	UES/23-24/ST/02390		
		DATE OF SAMPLING	05/06/2023		
		DATE OF RECEIPT	06/06/2023		
		DATE OF REPORT	10/06/2023		
		DATE OF ANALYSIS	START:06/06/2023	END:10/06/2023	
		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	97	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	6.96	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	194058.2	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	41.8	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	190.8	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	108.4	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

Terms & conditions

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- 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

 10/06/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report.....

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address Of The Customer</i>		REPORT NO	UES/TR/23-24/01175	
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO	UES/23-24/ST/02391	
		DATE OF SAMPLING	06/05/2023	
		DATE OF RECEIPT	08/05/2023	
		DATE OF REPORT	12/05/2023	
		DATE OF ANALYSIS	START: 08/05/2023	END: 12/05/2023
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, 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.			



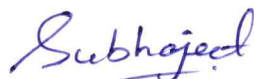
TEST REPORT

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	99	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	7.91	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	81242.1	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	38.2	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	178.6	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	108.8	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	mg/Nm ³	0.1	-	IS 13270 RA 2019

REMARKS: :N.D.: NOT DETECTED

Terms & conditions

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- This is for information as the party has asked for above test(s) only

 12/05/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report.....

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name & Address Of The Customer</i>		REPORT NO.	UES/TR/23-24/01176	
To, Crest Steel And Power Private Limited Village: Joratarai, Post - Mangatta Rajnandgaon 491441		LAB REF NO.	UES/23-24/MISC/02392-02394	
		DATE OF SAMPLING	05/06/2023	
		DATE OF RECEIPT	06/06/2023	
		DATE OF REPORT	10/06/2023	
		DATE OF ANALYSIS	Start: 06/06/2023	End: 10/06/2023
SAMPLE DETAILS				
CUSTOMER REF. NO. & DATE	VERBAL COMMUNICATION, DATED: 05.06.2023			
SAMPLE DETAILS	1. CHAR 2. DOLOCHAR 3. SLAG			
SAMPLE TYPE	SOLID WASTE			
SAMPLE COLLECTED BY	CHEMIST			
QUANTITY RECEIVED	3 KG. APPROX EACH			

TEST REPORT

SR. NO.	PARAMETER	UNIT	LIMIT AS PER HAZARDOUS WASTES (MANAGEMENT HANDLING AND TRANS-BOUNDARY MOVEMENT) RULE 2008 OF SCHEDULE II	RESULT		
				CHAR	DOLOCHAR	SLAG
1	Iron as Fe	mg/l	-	0.31	0.38	1.03
2	Manganese as Mn	mg/l	10	0.13	0.16	0.21
3	Chromium as Cr	mg/l	5.0	0.08	0.09	0.84
4	Arsenic as As	mg/l	5.0	N.D.	N.D.	N.D.
5	Mercury as Hg	mg/l	0.2	N.D.	N.D.	N.D.

Note: N.D. - Not Detected

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The above analysis report refers to the particular sample received at our end and 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.

Belh
10/06/23

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Subhajeet

AUTHORIZED SIGNATORY

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