



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

<b>Name &amp; Address of The Customer</b> <b>To,</b> <b>Crest Steel And Power Private Limited</b> <b>Village: Joratarai,</b> <b>Post – Mangatta</b> <b>Rajnandgaon 491441</b>		Report No.	UESPL/TR/24-25/05368	
		Lab Ref No.	UESPL/24-25/AAQM/010156-010157	
		Date of Sampling	26/02/2025	
		Date of Receipt	27/02/2025	
		Date of Report	03/03/2025	
		Date of Analysis	Start:27/02/2025	End:03/03/2025
<b>SAMPLE DETALS</b>				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	1. Near Main Gate Area 2. Near Kiln 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 <sub>10</sub> ): 1X1 No., Filter Paper (PM <sub>2.5</sub> ): 1X1 No. SO <sub>2</sub> : 30mlX1 No. PVC Bottle, NO <sub>2</sub> : 30mlX1 NO. PVC Bottle.			

### Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM <sub>10</sub> )	IS:5182 (Part-23) :2006 RA 2022
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	IS:5182 (Part-24) :2019
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (Part-2/Sec.1) :2001 RA 2023
Nitrogen Dioxide (NO <sub>2</sub> )	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 Area
PM <sub>10</sub>	µg/m <sup>3</sup>	100	85.18	70.24
PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	33.84	29.36
SO <sub>2</sub>	µg/m <sup>3</sup>	80	32.96	29.52
NO <sub>2</sub>	µg/m <sup>3</sup>	80	38.16	34.64
CO	mg/m <sup>3</sup>	4.0	0.59	0.52

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





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		Lab Ref No.	UESPL/24-25/W/010158	
		Date of Sampling	26/02/2025	
		Date of Receipt	27/02/2025	
		Date of Report	03/03/2025	
		Date of Analysis	Start:27/02/2025	End:03/03/2025
<b>SAMPLE DETAILS</b>				
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	As Per Standard Method - UESPL/File/SW/01			

REPORT NO.- 05369

<b>TEST REPORT</b>					
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)	0.68
3	pH	-	IS:3025(Part-11):2022	6.5 To 8.5	7.52
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)	310
6	Alkalinity Total (as CaCO <sub>3</sub> )	mg/L	IS:3025(Part-23):2023	200 (max)	114
7	Total Hardness ( as CaCO <sub>3</sub> )	mg/L	IS:3025(Part-21):2009 RA 2019	200 (max)	176
8	Calcium (as Ca)	mg/L	IS:3025(Part-40):1991 RA 2019	75 (max)	43.28
9	Magnesium (as Mg)	mg/L	APHA 24 <sup>th</sup> Ed.2023,3500-Mg-B, 274	30 (max)	16.52
10	Chloride (as Cl)	mg/L	IS:3025(Part-32):1988 RA 2019	250 (max)	37.9
11	Sulphate (as SO <sub>4</sub> )	mg/L	IS:3025(Part-24/Sec.1):2022	200 (max)	26.24
12	Nitrate (NO <sub>3</sub> )	mg/L	APHA 24th Ed.2023,4500-NO3-B, 434-435	45 (max)	12.74
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.- 05369

**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 <sup>th</sup> Ed.2023, 5540-MBAS-C, 585	0.02 (max)	N.D.
28	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	IS:3025(Part-43)	0.001(max)	N.D.
29	Poly-nuclear Aromatic Hydrocarbon (PAH)	µg/L	APHA 24 <sup>th</sup> 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	44
2	E - Coli	MPN/100 ML	IS:1622:1981:RA: 2019	Shall not be detectable in any 100 ml sample	20

Note: mg/lit.: milligram per liter.

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 <b>REVIEWED BY</b>		For <b>ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD</b>  <b>AUTHORIZED SIGNATORY</b>
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		<b>Lab. Ref. No.</b>	UESPL/24-25/W/010159	
		<b>Date of Sampling</b>	26/02/2025	
		<b>Date of Receipt</b>	27/02/2025	
		<b>Date of Report</b>	03/03/2025	
		<b>Date of Analysis</b>	Start:27/02/2025	End:03/03/2025
<b>SAMPLE DETAILS</b>				
<b>Customer Sample ID</b>	Near Kiln Water	<b>Customer Ref. No. &amp; Date</b>	4232200698, Dated: 29.03.2024	
<b>Sample Type</b>	Effluent Water	<b>Sample Condition At Receipt</b>	Ok	
<b>Packing of Sample</b>	Jerry Cane (3 ltr.*1) Glass bottle (1 ltr.*1)	<b>Sample Collected By</b>	Laboratory Chemist	
<b>Other Details</b>	Sealed	<b>Quantity Received</b>	Approx. 5Ltr.	

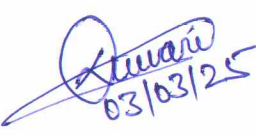

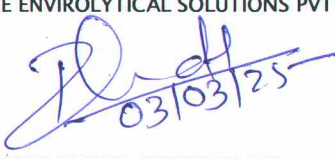
TEST REPORT					
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT
1	pH Value at 25.2°C	–	IS:3025 (Part-11) - 2022	5.5 To 9.0	7.39
2	Total Suspended Solid	mg/L	IS:3025 (Part-17) - 2022	100	8.9
3	Chemical Oxygen Demand	mg/L	IS:3025 (Part-58) - 2023	250	35
4	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025 (Part-44) - 2023	30	10.7
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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 <b>REVIEWED BY</b>		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD  <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----





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		LAB REF NO.	UESPL/24-25/N/010160-010161
		DATE OF REPORT	03/03/2025
		DATE OF SAMPLING	26/02/2025
<b>SAMPLE DETAILS</b>			
Monitoring For	Noise Level Monitoring		
Customer Ref. No. & Date	4232200698, Dated: 29.03.2024		
Sampling Location	1. Near Main Gate Area 2. Near Kiln 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)	69.1	61.8	75	70
Near Kiln Area	dB(A)	70.9	62.4		

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 03/03/25		For ULTIMATE ENVIROLYTICAL SOLUTIONS PVT LTD  03/03/25
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<b>Name &amp; Address Of The Customer</b>		<b>Report No.</b>	UESPL/TR/24-25/05372	
<b>To,</b>		<b>Lab Ref No.</b>	UESPL/24-25/FE/010162	
<b>Crest Steel And Power Private Limited</b>		<b>Date of Sampling</b>	26/02/2025	
<b>Village: Joratarai,</b>		<b>Date of Receipt</b>	27/02/2025	
<b>Post – Mangatta</b>		<b>Date of Report</b>	03/03/2025	
<b>Rajnandgaon 491441</b>		<b>Date of Analysis</b>	Start:27/02/2025	End:03/03/2025
<b>SAMPLE DETAILS</b>				
<b>Monitoring For</b>	Fugitive Emission			
<b>Customer Ref. No.</b>	4232200698, Dated: 29.03.2024			
<b>Sampling Location</b>	SMS Mechanical (HVS)			
<b>Duration Of Sampling</b>	8 Hours			
<b>Sample Collected by</b>	Laboratory Chemist			
<b>Sampling Procedure</b>	As Per Method Reference			
<b>Sample Quantity/Packing</b>	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
SMS Mechanical (HVS)	µg/m <sup>3</sup>	1246	2000	EPA Method IO-2.1

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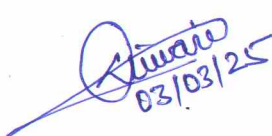

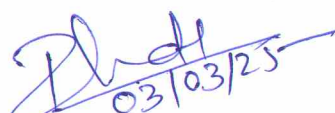
<b>Name &amp; Address Of The Customer</b> <b>To,</b> <b>Crest Steel And Power Private Limited</b> <b>Village: Joratarai,</b> <b>Post – Mangatta</b> <b>Rajnandgaon 491441</b>		<b>Report No</b>		UESPL/TR/24-25/05373	
		<b>Lab Ref No</b>		UESPL/24-25/ST/010163	
		<b>Date of Sampling</b>		26/02/2025	
		<b>Date of Receipt</b>		27/02/2025	
		<b>Date of Report</b>		03/03/2025	
		<b>Date of Analysis</b>		Start:27/02/2025	End:03/03/2025
<b>SAMPLE DETAILS</b>					
<b>Monitoring For</b>		Stack Emission Monitoring			
<b>Sampling Location</b>		Stack No. - 1 (WHRB+AFBC)			
<b>Sample Collected By</b>		Laboratory Chemist			
<b>Sampling Procedure</b>		IS 11255 Part 1,2:1985 Reaffirmed 2009; Part 3:2008, Part 7:2005 Reaffirmed 2012, IS 5182 (Part 10) :2003			
<b>Sample Quantity/Packing</b>		Thimble: 1 X 1 No., SO <sub>2</sub> : 30 ml X 1 No. PVC Bottle, NO <sub>x</sub> : 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.			

<b>TEST REPORT</b>				
<b>Stack details</b>				
<b>Stack Identity</b>		STACK NO. - 1 (WHRB+AFBC)		
<b>Stack Attached To</b>		ESP		
<b>Material of Construction</b>		RCC		
<b>Stack Height Above Ground Level (Mtr.)</b>		75		
<b>Stack Diameter</b>		3.5		
<b>Stack Shape At Top</b>		CIRCULAR		
<b>Type Of Fuel</b>		COAL		
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Limit</b>	<b>Method Reference</b>
Flue Gas Temperature	°C	78.6	-	IS:11255:(Part-3):2008
Flue Gas Velocity	M/s	9.84	-	IS:11255:(Part-3):2008
Total Gas Quantity	Nm <sup>3</sup> /h	288715.9	-	IS:11255:(Part-3):2008
Total Particulate Matter (TPM)	mg/Nm <sup>3</sup>	32.08	50	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	218.16	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	174.82	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm <sup>3</sup>	0.30	-	IS 13270 RA 2019

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		<b>Lab Ref No</b>		UESPL/24-25/ST/010164	
		<b>Date of Sampling</b>		26/02/2025	
		<b>Date of Receipt</b>		27/02/2025	
		<b>Date of Report</b>		03/03/2025	
		<b>Date of Analysis</b>		Start:27/02/2025	End:03/03/2025
<b>SAMPLE DETAILS</b>					
<b>Monitoring For</b>		Stack Emission Monitoring			
<b>Sampling Location</b>		STACK NO - 2 (WHRB)			
<b>Sample Collected By</b>		laboratory Chemist			
<b>Sampling Procedure</b>		IS 11255 Part 1,2:1985 Reaffirmed 2009; Part 3:2008, Part 7:2005 Reaffirmed 2012, IS 5182 (Part 10) :2003			
<b>Sample Quantity/Packing</b>		Thimble: 1 X 1 No., SO <sub>2</sub> : 30 ml X 1 No. PVC Bottle, NO <sub>x</sub> : 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.			

<b>TEST REPORT</b>				
<b>Stack details</b>				
<b>Stack Identity</b>		STACK NO - 2 (WHRB)		
<b>Stack Attached To</b>		ESP		
<b>Material of Construction</b>		RCC		
<b>Stack Height Above Ground Level (Mtr.)</b>		65		
<b>Stack Diameter</b>		2.13		
<b>Stack Shape At Top</b>		CIRCULAR		
<b>Type Of Fuel</b>		COAL		
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Limit</b>	<b>Method Reference</b>
Flue Gas Temperature	°C	144.0	-	IS:11255:(Part-3):2008
Flue Gas Velocity	M/s	12.31	-	IS:11255:(Part-3):2008
Total Gas Quantity	Nm <sup>3</sup> /h	112789.7	-	IS:11255:(Part-3):2008
Total Particulate Matter (TPM)	mg/Nm <sup>3</sup>	41.28	50	IS:11255:(Part-1):1985 RA 2019
Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	322.6	600	IS:11255:(Part-2):1985 RA 2019
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	204.8	300	IS:11255:(Part-7):2005 RA 2022
Carbon Monoxide (CO)	mg/Nm <sup>3</sup>	0.36	-	IS 13270 RA 2019

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