

Format No.: UES/FORM/09

 Ultimate ENVIRONMENTAL SOLUTIONS <small>मानव, पर्यावरण और उद्योग के बीच का संतुलन</small>	HDD-272, PHASE III- NEAR JP CHOWK, RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -99 PH - 0771-2972364 EMAIL-ultimatenviro@gmail.com	

Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/II/18-19/01452	
	LAB REF NO	UES/18-19/W/1452	
	DATE OF SAMPLING	26/09/2018	
	DATE OF RECEIPT	27/09/2018	
	DATE OF REPORT	02/10/2018	
	DATE OF ANALYSIS	START:27/09/18	END:01/10/2018

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	M/PO/SRV/1819/0084, DTD. 07.08.2018
CUSTOMER SAMPLE ID	ETP OUTLET-I	SAMPLE CONDITION AT RECEIPT	OK
PACKING OF SAMPLE	3 L X I NO. PVC CAN 1 L X I NO. PVC CAN 1 L X I NO. GLASS BOTTLE	SEALED	SAMPLE COLLECTED BY CHEMIST
SAMPLING PROCEDURE	IS:3025(PART I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

REPORT NO. - 01452

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour and Odour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	Absent
2	Temperature	°C	APHA 22 nd Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	26.4
3	pH	-	APHA 22 nd Ed.2012,4500-H ⁺ -B, 4-92	5.5 to 9.0	7.4
4	Total Residual Chlorine	mg/Lit	APHA 22 nd Ed.2012,4500-CI-G, 4 - 69	1.0	N.D.
5	Total Suspended Solids	mg/Lit	APHA 22 nd Ed.2012,2540-D, 2-66	100	22.4
6	Dissolved Phosphate (as P)	mg/Lit	APHA 22 nd Ed.2012,4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/Lit	APHA 22 nd Ed.2012,4500-F-B &D, 4-84 & 87	2.0	0.32
8	Lead (as Pb)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3-18	0.1	N.D.
9	Zinc (as Zn)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3-18	5.0	N.D.
10	Copper (as Cu)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/Lit	APHA 22 nd Ed.2012,3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/Lit	APHA 22 nd Ed.2012,3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/Lit	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.

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 Ultimate ENVIROLYTICAL SOLUTIONS <small>MADE IN INDIA & CERTIFICATE NO. 18001/2007</small>	HDD-272, PHASE III- NEAR JP CHOWK, RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -99 PH - 0771-2972364 EMAIL-ultimatenviro@gmail.com	
	REPORT NO. - 01452	

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
14	Selenium (as Se)	mg/Lit	APHA 22 nd Ed.2012,3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/Lit	APHA 22 nd Ed.2012,3500-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/Lit	APHA 22 nd Ed.2012, 5520-B, 5-17	250	68.8
17	Biochemical Oxygen Demand (BOD)	mg/Lit	IS 3025 (Part 44):1993, RA 2003	30	17.2
18	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003, Ed 2.1	10	N.D.
19	Phenolic Compounds (as C ₆ H ₅ OH)	mg/Lit	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

Note: mg/lit.:milligram per liter.
BDL: Below Detection Limit, 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 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.

	For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report.....

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 Ultimate ENVIRONMENTAL SOLUTIONS <small>WATER & WASTE MANAGEMENT CONSULTANTS</small>	HDD-272, PHASE III- NEAR JP CHOWK, RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -99 PH - 0771-2972364 EMAIL-ultimatenviro@gmail.com	

TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/II/18-19/01451	
	LAB REF NO	UES/18-19/W/1451	
	DATE OF SAMPLING	26/09/2018	
	DATE OF RECEIPT	27/09/2018	
	DATE OF REPORT	02/10/2018	
	DATE OF ANALYSIS	START:27/09/18	END:01/10/2018

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	M/FO/SRV/1819/0084, DTD. 07.08.2018
CUSTOMER SAMPLE ID	ETP OUTLET-II (KONDEKEL)	SAMPLE CONDITION AT RECEIPT	OK
PACKING OF SAMPLE	3 L X 1 NO. PVC CAN 1 L X 1 NO. PVC CAN 1 L X 1 NO. GLASS BOTTLE	SEALED	SAMPLE COLLECTED BY CHEMIST
SAMPLING PROCEDURE	IS:3025(PART 1):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

REPORT NO. - 01451

TEST REPORT

Sr. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour and Odour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	Absent
2	Temperature	°C	APHA 22 nd Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	26.2
3	pH	-	APHA 22 nd Ed.2012,4500-H ⁺ -B, 4-92	5.5 to 9.0	7.4
4	Total Residual Chlorine	mg/Lit	APHA 22 nd Ed.2012,4500-Cl-G, 4 - 69	1.0	N.D.
5	Total Suspended Solids	mg/Lit	APHA 22 nd Ed.2012,2540-D, 2-66	100	23.4
6	Dissolved Phosphate (as P)	mg/Lit	APHA 22 nd Ed.2012,4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/Lit	APHA 22 nd Ed.2012,4500-F-B & D, 4-84 & 87	2.0	0.25
8	Lead (as Pb)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3-18	0.1	N.D.
9	Zinc (as Zn)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3-18	5.0	N.D.
10	Copper (as Cu)	mg/Lit	APHA 22 nd Ed.2012,3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/Lit	APHA 22 nd Ed.2012,3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/Lit	APHA 22 nd Ed.2012,3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/Lit	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.

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 Ultimate ENVIROLYTICAL SOLUTIONS <small>ANALYSIS, TESTING & CONSULTANCY SERVICES</small>	HDD-272, PHASE III- NEAR JP CHOWK, RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -99 PH - 0771-2972364 EMAIL-ultimatenviro@gmail.com	
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15	Total Chromium (as Cr)	mg/Lit	APHA 22 nd Ed.2012,3500-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/Lit	APHA 22 nd Ed.2012, 5520-B, 5-17	250	64.8
17	Biochemical Oxygen Demand (BOD)	mg/Lit	IS 3025 (Part 44):1993, RA 2003	30	16.2
18	Oil & Grease	mg/Lit	IS 3025 (Part 39):1991, RA 2003, Ed 2.1	10	N.D.
19	Phenolic Compounds (as C ₆ H ₅ OH)	mg/Lit	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

Note: mg/lit.:milligram per liter.
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-----End of the test report-----