



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/010096	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE, VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO	UES/19-20/W/10096	
		DATE OF SAMPLING	19/10/2019	
		DATE OF RECEIPT	20/10/2019	
		DATE OF REPORT	30/10/2019	
		DATE OF ANALYSIS	START: 21/10/2019	END: 24/10/2019
SAMPLE DETAILS				
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019	
CUSTOMER SAMPLE ID	ETP OUTLET KONDREL	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 I):1987 RA 2003: APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR	

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-1	<1
2	Odour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-1	Agreeable
3	Temperature	°C	APHA 22 nd Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	24.2
4	pH	-	APHA 22 nd Ed.2012,4500-H-B,4-92	5.5 to 9.0	7.50
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed.2012,4500-C1-G,4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012,2540- D, 2-66	100	23.9
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed.2012,4500-P-C,4-153	5.0	0.80
8	Fluoride (as F)	mg/L	APHA 22 nd Ed.2012,4500-F-B 4D,4-84 & 87	2.0	0.28
9	Lead (as Pb)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	5.0	0.24
11	Copper (as Cu)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed.2012, 5520-B, 5-17	250	74.8
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	18.7
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, 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.

PREPARED BY

Pranshu
30/10/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

Pranshu
30/10/19

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

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/19-20/010748	
LAB REF NO	UES/19-20/W/10748	
DATE OF SAMPLING	28/11/2019	
DATE OF RECEIPT	29/11/2019	
DATE OF REPORT	02/12/2019	
DATE OF ANALYSIS	START: 29/11/2019	END: 02/12/2019

SAMPLE DETAILS

SAMPLE TYPE	WASTE WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019
CUSTOMER SAMPLE ID	ETP OUTLET KONDREL	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 I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-1	<1
2	Odour	-	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-1	Agreeable
3	Temperature	°C	APHA 22 nd Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	24.9
4	pH	-	APHA 22 nd Ed.2012,4500-H-B,4-92	5.5 to 9.0	7.01
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed.2012,4500-Cl-G,4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012,2540- D, 2-66	100	27.2
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed.2012,4500-P-C,4-153	5.0	0.5
8	Fluoride (as F)	mg/L	APHA 22 nd Ed.2012,4500-F-B 6D,4-84 & 87	2.0	0.2
9	Lead (as Pb)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	5.0	0.1
11	Copper (as Cu)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed.2012, 5520-B, 5-17	250	44.2
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	6.8
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991,RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, N.D.-Not Detected.

Terms & conditions

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PREPARED BY

Handwritten signature
02/12/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

Handwritten signature
02/12/19

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

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/012025	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE, VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO	UES/19-20/W/12025	
		DATE OF SAMPLING	19/12/2019	
		DATE OF RECEIPT	20/12/2019	
		DATE OF REPORT	31/12/2019	
		DATE OF ANALYSIS	START: 21/12/2019	END: 30/12/2019
SAMPLE DETAILS				
SAMPLE TYPE	WASTE WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019	
CUSTOMER SAMPLE ID	ETP OUTLET, KONDKEL	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 I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR	

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-1	<1
2	Odour	-	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-1	Agreeable
3	Temperature	°C	APHA 22 nd Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	24.8
4	pH	-	APHA 22 nd Ed. 2012, 4500-H-B, 4-92	5.5 to 9.0	7.24
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-C1-G, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540- D, 2-66	100	22.8
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	0.4
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B & D, 4-84 & 87	2.0	0.2
9	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	0.3
11	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	48.6
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	13.4
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, N.D.-Not Detected.

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- > This is for information as the party has asked for.

PREPARED BY

Pranav Mishra
31/12/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

Pranav Mishra
31/12/19

-----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

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/19-20/015052	
LAB REF NO	UES/19-20/W/15052	
DATE OF SAMPLING	19/01/2020	
DATE OF RECEIPT	20/01/2020	
DATE OF REPORT	01/02/2020	
DATE OF ANALYSIS	START: 21/01/2020	END: 31/01/2020

SAMPLE DETAILS

SAMPLE TYPE	WASTE WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019
CUSTOMER SAMPLE ID	ETP OUTLET, KONDREL	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 I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odour	-	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 nd Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	25.2
4	pH	-	APHA 22 nd Ed.2012,4500-H'-8,4-92	5.5 to 9.0	7.34
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed.2012,4500-C1-G,4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012,2540- D, 2-66	100	26.4
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed.2012,4500-P-C,4-153	5.0	0.2
8	Fluoride (as F)	mg/L	APHA 22 nd Ed.2012,4500-F-B & D,4-84 & 87	2.0	0.1
9	Lead (as Pb)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	5.0	0.2
11	Copper (as Cu)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed.2012, 5520-B, 5-17	250	44.2
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	8.6
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, N.D.-Not Detected.

Terms & conditions

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- > This is for information as the party has asked for above.

Chandrashekar
01/02/2020
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Chandrashekar
01/02/2020
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

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/19-20/015443	
	LAB REF NO	UES/19-20/W/15443	
	DATE OF SAMPLING	28/02/2020	
	DATE OF RECEIPT	29/02/2020	
	DATE OF REPORT	03/03/2020	
	DATE OF ANALYSIS	START: 29/02/2020	END: 03/03/2020
SAMPLE DETAILS			
SAMPLE TYPE	WASTE WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019
CUSTOMER SAMPLE ID	ETP OUTLET RONDKEL	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 I):1987 RA 2003: APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odour	-	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 nd Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	25.0
4	pH	-	APHA 22 nd Ed.2012,4500-H ⁻ B,4-92	5.5 to 9.0	6.89
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed.2012,4500-C1-G,4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012,2540- D, 2-66	100	22.8
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed.2012,4500-P-C,4-153	5.0	0.4
8	Fluoride (as F)	mg/L	APHA 22 nd Ed.2012,4500-F-B & D,4-84 & 87	2.0	0.1
9	Lead (as Pb)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	5.0	0.08
11	Copper (as Cu)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed.2012, 5520-B, 5-17	250	48.4
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	8.8
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, N.D.-Not Detected.

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- This is for information as the party has asked for analysis.

Thakur
03/03/2020
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Chandrababu
03/03/2020
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 : ultimatenviron@gmail.com

Name & Address Of The Customer		REPORT NO.	UES/TR/19-20/015780	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE, VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO.	UES/19-20/W/15780	
		DATE OF SAMPLING	16/03/2020	
		DATE OF RECEIPT	17/03/2020	
		DATE OF REPORT	21/03/2020	
		DATE OF ANALYSIS	START: 17/03/2020	END: 20/03/2020
SAMPLE DETAILS				
SAMPLE TYPE	WASTE WATER	ORDER /REFERENCE:	N/PO/SRV/1920/0082, DTD. : 06.08.2019	
CUSTOMER SAMPLE ID	ETP OUTLET KONDKEL	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 I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR	

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	<1
2	Odour	-	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 nd Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.3
4	pH	-	APHA 22 nd Ed. 2012, 4500-H'-B, 4-92	5.5 to 9.0	6.96
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-C1-G, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540- D, 2-66	100	24.8
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	0.3
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B & D, 4-84 & 87	2.0	0.15
9	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	0.04
11	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	56.0
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	16.0
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, N.D.-Not Detected.

Terms & conditions

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- This is for information as the party has asked for.

 PREPARED BY	 ULTIMATE ENVIROLYTICAL SOLUTIONS	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

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/010098	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE, VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO	UES/19-20/W/10098	
		DATE OF SAMPLING	19/10/2019	
		DATE OF RECEIPT	20/10/2019	
		DATE OF REPORT	30/10/2019	
		DATE OF ANALYSIS	START: 21/10/2019	END: 24/10/2019
SAMPLE DETAILS				
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019	
CUSTOMER SAMPLE ID	STP OILET - PORTA CABIN KONDKEL	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 I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR	

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	<1
2	Odour	Hazen	APHA 22 nd Ed. 2012,2120-B,2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 nd Ed.2012,2130-B,2-13	Shall not exceed 5°C above the receiving water temperature	24.5
4	pH	-	APHA 22 nd Ed.2012,4500-H'-B,4-92	5.5 to 9.0	6.78
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed.2012,4500-Cl-G,4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012,2540- D, 2-66	100	36.8
7	Dissolved Phosphate(as P)	mg/L	APHA 22 nd Ed.2012,4500-P-C,4-153	5.0	1.23
8	Fluoride (as F)	mg/L	APHA 22 nd Ed.2012,4500-F-B&D,4-84&87	2.0	N.D.
9	Lead (as Pb)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	5.0	0.28
11	Copper (as Cu)	mg/L	APHA 22 nd Ed.2012,3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed.2012,3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed.2012,3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed.2012,3114-C, 3-38	0.05	N.D.
16	Total Chromium(as Cr)	mg/L	APHA 22 nd Ed.2012,3500-Cr-B,3-69	2.0	N.D.
17	Chemical Oxygen Demand(COD)	mg/L	APHA 22 nd Ed.2012, 5520-B, 5-17	250	64.2
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	16.1
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	0.30
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit: milligram per liter, N.D.-Not Detected.

Terms & conditions

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- > This is for information as the party has asked for above.

PREPARED BY

P. Prasad
30/10/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

Chandra Prasad
30/10/19

-----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

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/19-20/010760	
	LAB REF NO	UES/19-20/W/10760	
	DATE OF SAMPLING	28/11/2019	
	DATE OF RECEIPT	29/11/2019	
	DATE OF REPORT	02/12/2019	
	DATE OF ANALYSIS	START: 29/11/2019	END: 02/12/2019

SAMPLE DETAILS

SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019
CUSTOMER SAMPLE ID	STP OUTLET PORTACABIN	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 I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	<1
2	Odour	-	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Agreecable
3	Temperature	°C	APHA 22 nd Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.1
4	pH	-	APHA 22 nd Ed. 2012, 4500-H*-B, 4-92	5.5 to 9.0	7.36
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl-G, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540-D, 2-66	100	30.1
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	0.8
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B & D, 4-84 & 87	2.0	0.2
9	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	0.3
11	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/l.	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	78.2
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	16.4
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, 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.

 PREPARED BY	 AUTHORIZED SIGNATORY	For ULTIMATE ENVIROLYTICAL SOLUTIONS
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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

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/19-20/012027	
	LAB REF NO	UES/19-20/W/12027	
	DATE OF SAMPLING	19/12/2019	
	DATE OF RECEIPT	20/12/2019	
	DATE OF REPORT	31/12/2019	
	DATE OF ANALYSIS	START: 21/12/2019	END: 30/12/2019

SAMPLE DETAILS

SAMPLE TYPE	WASTE WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019
CUSTOMER SAMPLE ID	STP OUTLET, PORTA CABIN	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 I):1987 RA 2003: APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	<1
2	Odour	-	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 nd Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.2
4	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁺ -B, 4-92	5.5 to 9.0	7.42
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl-G, 4- 69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540- D, 2-66	100	18.6
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	0.6
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B & D, 4-84 & 87	2.0	0.1
9	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	0.4
11	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	68.4
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	11.2
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, N.D.-Not Detected.

Terms & conditions

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- > This is for information as the party has asked for above.

Chandana
31/12/19
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Chandana
31/12/19
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

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/19-20/015054	
	LAB REF NO	UES/19-20/W/15054	
	DATE OF SAMPLING	19/01/2020	
	DATE OF RECEIPT	20/01/2020	
	DATE OF REPORT	01/02/2020	
	DATE OF ANALYSIS	START: 21/01/2020	END: 31/01/2020

SAMPLE DETAILS

SAMPLE TYPE	WASTE WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019
CUSTOMER SAMPLE ID	STP OUTLET, PORTACABIN	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 I):1987 RA 2003: APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012, 2120-B, 2-6.	See 6 of Annexure-I	<1
2	Odour	-	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 nd Ed.2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.2
4	pH	-	APHA 22 nd Ed.2012, 4500-H'-B, 4-92	5.5 to 9.0	7.52
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed.2012, 4500-C1-G, 4- 69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed.2012, 2540- D, 2-66	100	18.8
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed.2012, 4500-P-C, 4-153	5.0	0.4
8	Fluoride (as F)	mg/L	APHA 22 nd Ed.2012, 4500-F-B 4D, 4-84 & 87	2.0	0.2
9	Lead (as Pb)	mg/L	APHA 22 nd Ed.2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed.2012, 3111-B, 3-18	5.0	0.3
11	Copper (as Cu)	mg/L	APHA 22 nd Ed.2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed.2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed.2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed.2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed.2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed.2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed.2012, 5520-B, 5-17	250	62.8
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	6.8
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, N.D.-Not Detected.

Terms & conditions

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- This is for information as the party has asked for above test.

Chandrabhag
PREPARED BY
01/02/2020



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Chandrabhag
01/02/2020
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

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/19-20/015445	
	LAB REF NO	UES/19-20/W/15445	
	DATE OF SAMPLING	28/02/2020	
	DATE OF RECEIPT	29/02/2020	
	DATE OF REPORT	03/03/2020	
	DATE OF ANALYSIS	START: 29/02/2020	END: 03/03/2020

SAMPLE DETAILS

SAMPLE TYPE	WASTE WATER	ORDER /REFERENCE:	M/PO/SRV/1920/0065, DTD. 06.08.2019
CUSTOMER SAMPLE ID	STP OUTLET PORTACABIN	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 I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	QUANTITY RECEIVED	5 LTR

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	<1
2	Odour	-	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 nd Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.4
4	pH	-	APHA 22 nd Ed. 2012, 4500-H'-B, 4-92	5.5 to 9.0	7.46
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-C1-G, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540- D, 2-66	100	28.2
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	0.6
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B & D, 4-84 & 87	2.0	0.2
9	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	0.08
11	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	54.8
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	11.6
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, 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 report unless otherwise agreed with customer.
- This is for information as the party has asked for.

Thakur
03/03/2020
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Imrany
03/03/2020
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 : ultimatenviron@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/19-20/015782	
		LAB REF NO.	UES/19-20/W/15782	
		DATE OF SAMPLING	16/03/2020	
		DATE OF RECEIPT	17/03/2020	
		DATE OF REPORT	21/03/2020	
		DATE OF ANALYSIS	START: 17/03/2020	END: 21/03/2020
SAMPLE DETAILS				
SAMPLE TYPE	WASTE WATER	ORDER /REFERENCE:	N/PO/SRV/1920/0082, DTD.: 06.08.2019	
CUSTOMER SAMPLE ID	STP OUTLET PORTACABIN	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	

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	THE ENVIRONMENT (PROTECTION) RULES, 1986 [SCHEDULE-VI] PART-A INLAND SURFACE WATER	RESULT
1	Colour	Hazen	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-1	<1
2	Odour	-	APHA 22 nd Ed. 2012, 2120-B, 2-6	See 6 of Annexure-1	Agreeable
3	Temperature	°C	APHA 22 nd Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	24.9
4	pH	-	APHA 22 nd Ed. 2012, 4500-H*-B, 4-92	5.5 to 9.0	7.36
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl-G, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540-D, 2-66	100	30.6
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	0.7
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B & D, 4-84 & 87	2.0	0.3
9	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	0.07
11	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	62.0
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	15.6
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lit.: milligram per liter, 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 only.

Chandrasekar
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Tamambay
AUTHORIZED SIGNATORY

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