



NABL ACCREDITED & CECS APPROVED LABORATORY

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/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISS. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/06082	
	LAB REF NO	UES/19-20/W/6082	
	DATE OF SAMPLING	16/04/2019	
	DATE OF RECEIPT	17/04/2019	
	DATE OF REPORT	30/04/2019	
	DATE OF ANALYSIS	START: 18/04/2019	END: 22/04/2019

SAMPLE DETAILS

SAMPLE TYPE	EFFLUENT WATER		ORDER /REFERENCE:	N/PO/SRV/1819/0085, DTD. 07.08.2018
CUSTOMER SAMPLE ID	STP OUTLET BANJIKHOL		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 and Odour	Hazen	APHA 22 nd Ed. 2012, 2100-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	25.0
3	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁺ -B, 4-30	5.5 to 9.0	8.0
4	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl ⁻ -G, 4-60	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540-D, 2-66	100	24.1
6	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 4D, 4-94 & 87	2.0	0.2
8	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	0.1
10	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	72.8
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	18.2
18	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10.0	N.D.
19	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

Note: mg/Lt.: milligram per liter, N.D.-Not Detected.

REMARKS: RESULTS ARE AS ABOVE

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.

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

 Ultimate ENVIRONMENTAL SOLUTIONS	HDD-272, PHASE III- NEAR JP CHOWK, RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -99 PH - 0771- 4027777 email - ultimatenviro@gmail.com	NABL ACCREDITED & CEGB APPROVED LABORATORY
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Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST - MILUPARA, DISTT. - RAIGARH (C.G.) 496107	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>REPORT NO</td> <td>UES/TR/19-20/06567</td> </tr> <tr> <td>LAB REF NO</td> <td>UES/19-20/W/6567</td> </tr> <tr> <td>DATE OF SAMPLING</td> <td>21/05/2019</td> </tr> <tr> <td>DATE OF RECEIPT</td> <td>22/05/2019</td> </tr> <tr> <td>DATE OF REPORT</td> <td>31/05/2019</td> </tr> <tr> <td>DATE OF ANALYSIS</td> <td>START: 23/05/2019 END: 27/05/2019</td> </tr> </table>	REPORT NO	UES/TR/19-20/06567	LAB REF NO	UES/19-20/W/6567	DATE OF SAMPLING	21/05/2019	DATE OF RECEIPT	22/05/2019	DATE OF REPORT	31/05/2019	DATE OF ANALYSIS	START: 23/05/2019 END: 27/05/2019
REPORT NO	UES/TR/19-20/06567												
LAB REF NO	UES/19-20/W/6567												
DATE OF SAMPLING	21/05/2019												
DATE OF RECEIPT	22/05/2019												
DATE OF REPORT	31/05/2019												
DATE OF ANALYSIS	START: 23/05/2019 END: 27/05/2019												

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/RRV/1819/0085, DTD. 07.08.2018
CUSTOMER SAMPLE ID	EFF OUTLET BANJIKHOL	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 and Odour	Hazen	APHA 22 nd Ed. 2012, 2130-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	24.9
3	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁺ -B, 4-22	5.5 to 9.0	7.8
4	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl-G, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540- D, 2-66	100	23.9
6	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 4D, 4-84 & 87	2.0	0.2
8	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	0.1
10	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-65	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	76.6
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993; RA 2003	30	19.0
18	Oil & Grease	mg/L	IS 3025 (Part 39):1991; RA 2003	10.0	N.D.
19	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992; RA 2003	1.0	N.D.

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

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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

 Ultimate ENVIROLYTICAL SOLUTIONS	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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Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST - MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/07414
	LAB REF NO	UES/19-20/W/7414
	DATE OF SAMPLING	25/06/2019
	DATE OF RECEIPT	27/06/2019
	DATE OF REPORT	02/07/2019
	DATE OF ANALYSIS	START: 27/06/2019 END: 01/07/2019

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/RRV/1819/0085, DTD. 07.08.2018
CUSTOMER SAMPLE ID	EFF OUTLET BANJIKHOL	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 and Odour	Hazen	APHA 22 nd Ed. 2012, 2130-B, 2-6	See 6 of Annexure-I Shall not exceed 5°C above the receiving water temperature	Absent
2	Temperature	°C	APHA 22 nd Ed. 2012, 2130-B, 2-13	5.5 to 9.0	24.9
3	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁺ -B, 4-32	5.5 to 9.0	7.6
4	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl ⁻ -G, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540- D, 2-66	100	23.5
6	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 4D, 4-84 & 87	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-65	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	74.2
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993; RA 2003	30	18.4
18	Oil & Grease	mg/L	IS 3025 (Part 39):1991; RA 2003	10.0	N.D.
19	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1992; RA 2003	1.0	N.D.

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

REMARKS: RESULTS ARE AS ABOVE

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



HDD-272, PHASE III- NEAR JP CHOWK,
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PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/07914	
	LAB REF NO	UES/19-20/W/7914	
	DATE OF SAMPLING	23/07/2019	
	DATE OF RECEIPT	25/07/2019	
	DATE OF REPORT	31/07/2019	
	DATE OF ANALYSIS	START: 26/07/2019	END: 29/07/2019

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/SRV/1819/0085, DTD. 07.08.2018
CUSTOMER SAMPLE ID	ETP OUTLET BANJHOL	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 CHUKHIST
SAMPLING PROCEDURE	IS:3025 (PART 1):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	24.9
4	pH	-	APHA 22 nd Ed. 2012, 4500-H-B, 4-92	5.5 to 9.0	7.7
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	24.2
7	Dissolved Phosphate (as P)	mg/l	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
8	Fluoride (as F)	mg/l	APHA 22 nd Ed. 2012, 4500-F-B 4D, 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	N.D.
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	70.6
18	Biochemical Oxygen Demand (BOD)	mg/l	IS 3025 (Part 4):1993, RA 2003	30	17.6
19	Oil & Grease	mg/l	IS 3025 (Part 39):1991, RA 2003	10.0	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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 PREPARED BY	 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
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Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/08829	
	LAB REF NO	UES/19-20/W/8829	
	DATE OF SAMPLING	27/08/2019	
	DATE OF RECEIPT	28/08/2019	
	DATE OF REPORT	03/09/2019	
	DATE OF ANALYSIS	START: 29/08/2019	END: 02/09/2019

SAMPLE DETAILS

SAMPLE TYPE	EFFLUENT WATER		ORDER /REFERENCE:	N/PO/SRV/1920/0082, DTD. 06.08.2019
CUSTOMER SAMPLE ID	ETP OUTLET BANJHINOL		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	25.2
4	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁺ -B, 4-93	5.5 to 9.0	7.55
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl ⁻ -G, 4-68	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	N.D.
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	0.40
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	72.4
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	18.1
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10.0	0.6
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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 PREPARED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 AUTHORIZED SIGNATORY
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-----End of the test report-----



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Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST -MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/09476	
	LAB REF NO	UES/19-20/W/9476	
	DATE OF SAMPLING	25/09/2019	
	DATE OF RECEIPT	26/09/2019	
	DATE OF REPORT	01/10/2019	
	DATE OF ANALYSIS	START:27/09/2019	END:30/09/2019

SAMPLE DETAILS

SAMPLE TYPE	EFFLUENT WATER		ORDER /REFERENCE:	N/PO/SRV/1920/0082, DTD. 06.08.2019
CUSTOMER SAMPLE ID	ETP OUTLET BANJHINOL		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	24.8
4	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁺ -B, 4-93	5.5 to 9.0	7.29
5	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl ⁻ -G, 4-68	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540-D, 2-66	100	23.42
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 4D, 4-84 & 87	2.0	0.29
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	0.38
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	70.8
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	17.7
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10.0	0.8
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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 PREPARED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 AUTHORIZED SIGNATORY
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-----End of the test report-----



NABL ACCREDITED & CECS APPROVED LABORATORY

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/4, COAL MINE, VILLAGE - BANKHETA, POST MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/06083
	LAB REF NO	UES/19-20/W/6083
	DATE OF SAMPLING	16/04/2019
	DATE OF RECEIPT	17/04/2019
	DATE OF REPORT	30/04/2019
	DATE OF ANALYSIS	START: 18/04/2019 END: 22/04/2019

SAMPLE DETAILS

SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/SKV/1819/0085, DTD. 07.08.2018
CUSTOMER SAMPLE ID	SUMP WATER BANKHETA	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
SAMPLING PROCEDURE	IS:3025 (PART 1):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 and Odour	Hazen	APHA 22 nd Ed. 2012, 2120-B, 2-0	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	24.8
3	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁺ -B, 4-92	5.5 to 9.0	7.4
4	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl-B, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540-D, 2-60	100	35.8
6	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 40, 4-84 & 67	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-73	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	66.8
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	16.7
18	Oil & Grease	mg/L	IS 3025 (Part 39):1993, RA 2003,	10.0	N.D.
19	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS 3025 (Part 43):1993, RA 2003	1.0	N.D.

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

REMARKS: RESULTS ARE AS ABOVE

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

 Ultimate <small>ENVIROLYTICAL SOLUTIONS</small>	HDD-272, PHASE III- NEAR JP CHOWK, RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -99 PH - 0771- 4027777 email - ultimatenviro@gmail.com	NABL ACCREDITED & CEGB APPROVED LABORATORY
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Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST MILUPARA, DISTT. - RAIGARH (C.G.) 496107	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>REPORT NO</td> <td>UES/TR/19-20/06568</td> </tr> <tr> <td>LAB REF NO</td> <td>UES/19-20/W/6568</td> </tr> <tr> <td>DATE OF SAMPLING</td> <td>21/05/2019</td> </tr> <tr> <td>DATE OF RECEIPT</td> <td>22/05/2019</td> </tr> <tr> <td>DATE OF REPORT</td> <td>31/05/2019</td> </tr> <tr> <td>DATE OF ANALYSIS</td> <td>START: 23/05/2019 END: 27/05/2019</td> </tr> </table>	REPORT NO	UES/TR/19-20/06568	LAB REF NO	UES/19-20/W/6568	DATE OF SAMPLING	21/05/2019	DATE OF RECEIPT	22/05/2019	DATE OF REPORT	31/05/2019	DATE OF ANALYSIS	START: 23/05/2019 END: 27/05/2019
REPORT NO	UES/TR/19-20/06568												
LAB REF NO	UES/19-20/W/6568												
DATE OF SAMPLING	21/05/2019												
DATE OF RECEIPT	22/05/2019												
DATE OF REPORT	31/05/2019												
DATE OF ANALYSIS	START: 23/05/2019 END: 27/05/2019												

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/SRV/1819/0085, DSD. 07.08.2018
CUSTOMER SAMPLE ID	SUMP WATER BANKHETA	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 2ND 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 and Odour	Hazen	APHA 22 nd Ed. 2012, 2110-B, 2-6	See 6 of Annexure-1	Absent
2	Temperature	°C	APHA 22 nd Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.1
3	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁺ -B, 4-92	5.5 to 9.0	7.9
4	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl-G, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540-D, 2-66	100	32.4
6	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-G, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 4D, 4-84 & 87	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-35	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-D, 3-36	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3800-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	70.2
17	Biochemical Oxygen Demand (BOD)	mg/L	IS: 3025 (Part 44):1993, RA 2003	30	17.3
18	Oil & Grease	mg/L	IS: 3025 (Part 39):1991, RA 2003,	10.0	N.D.
19	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS: 3025 (Part 43):1993, RA 2003	1.0	N.D.

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

REMARKS: RESULTS ARE AS ABOVE

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

 Ultimate ENVIROLYTICAL SOLUTIONS	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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Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/07415	
	LAB REF NO	UES/19-20/W/7415	
	DATE OF SAMPLING	25/06/2019	
	DATE OF RECEIPT	27/06/2019	
	DATE OF REPORT	02/07/2019	
	DATE OF ANALYSIS	START: 27/06/2019	END: 01/07/2019

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/SRV/1819/0085, DSD. 07.08.2018
CUSTOMER SAMPLE ID	SUMP WATER BANKHETA	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

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-1	Absent
2	Temperature	°C	APHA 22 nd Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.0
3	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁺ -B, 4-92	5.5 to 9.0	8.1
4	Total Residual Chlorine	mg/L	APHA 22 nd Ed. 2012, 4500-Cl-G, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 nd Ed. 2012, 2540- D, 2-66	100	32.4
6	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-G, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 4D, 4-84 & 87	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 nd Ed. 2012, 3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 nd Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 nd Ed. 2012, 3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-35	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-D, 3-36	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 nd Ed. 2012, 3800-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 nd Ed. 2012, 5520-B, 5-17	250	70.2
17	Biochemical Oxygen Demand (BOD)	mg/L	IS: 3025 (Part 44):1993, RA 2003	30	17.3
18	Oil & Grease	mg/L	IS: 3025 (Part 39):1991, RA 2003,	10.0	N.D.
19	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	IS: 3025 (Part 43):1993, RA 2003	1.0	N.D.

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

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 PREPARED BY		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 TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/07915
	LAB REF NO	UES/19-20/W/7915
	DATE OF SAMPLING	23/07/2019
	DATE OF RECEIPT	25/07/2019
	DATE OF REPORT	31/07/2019
	DATE OF ANALYSIS	START:26/07/2019 END:29/07/2019

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/SRO/1819/0085, STD, 07.08.2018
CUSTOMER SAMPLE ID	SURF WATER SAMOETA	SAMPLE CONDITION AT RECEIPT	OK
PACKING OF SAMPLE	3 L X 1 NO. PFC CAN 1 L X 1 NO. PFC 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, 1-29	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	Ocour	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	25.0
4	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁻ -B, 4-92	5.5 to 9.0	7.5
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	32.6
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 6D, 4-84 & E7	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	N.D.
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, 3113-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-36	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 nd Ed. 2012, 3114-C, 3-36	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	68.2
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	17.0
19	Oil & Grease	mg/L	IS 3025 (Part 39):1993, RA 2003,	10.0	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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 PREPARED BY	 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 TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/08831
	LAB REF NO	UES/19-20/W/8831
	DATE OF SAMPLING	27/08/2019
	DATE OF RECEIPT	28/08/2019
	DATE OF REPORT	03/09/2019
	DATE OF ANALYSIS	START:29/08/2019 END:02/09/2019

SAMPLE DETAILS

SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/887/1920/0082, UD. 06.08.2019
CUSTOMER SAMPLE ID	SUB WATER PATCH "B" BANKHETA	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, 1050-B, 1-25	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	25.2
4	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁻ -B, 4-92	5.5 to 9.0	7.72
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	N.D.
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 4D, 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	0.32
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, 3113-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	66.2
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	16.5
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003,	10.0	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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PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

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/4, COAL MINE, VILLAGE - BANKHETA, POST MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/09478
	LAB REF NO	UES/19-20/W/9478
	DATE OF SAMPLING	25/09/2019
	DATE OF RECEIPT	26/09/2019
	DATE OF REPORT	01/10/2019
	DATE OF ANALYSIS	START:27/09/2019 END:30/09/2019

SAMPLE DETAILS

SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/887/1920/0082, STD. 06.08.2019
CUSTOMER SAMPLE ID	SUB WATER PATCH "B" BANKHETA	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, 1050-B, 1-25	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	25.0
4	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁻ -B, 4-92	5.5 to 9.0	7.62
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	40.8
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 40, 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	0.30
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, 3113-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	60.4
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	18.2
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003,	10.0	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.
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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
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Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/4, COAL MINE, VILLAGE - BANKHETA, POST MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/08830
	LAB REF NO	UES/19-20/W/8830
	DATE OF SAMPLING	27/08/2019
	DATE OF RECEIPT	28/08/2019
	DATE OF REPORT	03/09/2019
	DATE OF ANALYSIS	START:29/08/2019 END: 02/09/2019

SAMPLE DETAILS

SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	N/PO/887/1920/0082, UD. 06.08.2019
CUSTOMER SAMPLE ID	SUB WATER PATCH "C" BANJHROL	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, 1050-B, 1-25	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	25.1
4	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁻ -B, 4-92	5.5 to 9.0	7.62
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	38.6
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B 40, 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	0.26
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, 3113-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	62.6
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	18.6
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003,	10.0	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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-----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/4, COAL MINE, VILLAGE - BANKHETA, POST MILUPARA, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/09477
	LAB REF NO	UES/19-20/W/9477
	DATE OF SAMPLING	25/09/2019
	DATE OF RECEIPT	26/09/2019
	DATE OF REPORT	01/10/2019
	DATE OF ANALYSIS	START:27/09/2019 END:30/09/2019

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER	ORDER /REFERENCE:	M/PO/GRV/1920/0042, DED. 06.09.2019
CUSTOMER SAMPLE ID	MUSE WATER PATCH "C" BANJHROL	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, 1-25	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	24.9
4	pH	-	APHA 22 nd Ed. 2012, 4500-H ⁻ -B, 4-92	5.5 to 9.0	7.32
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	40.5
7	Dissolved Phosphate (as P)	mg/L	APHA 22 nd Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
8	Fluoride (as F)	mg/L	APHA 22 nd Ed. 2012, 4500-F-B & D, 4-84 & 87	2.0	0.12
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	0.52
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	16.0
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003,	10.0	0.42
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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-----End of the test report-----