



**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

<b>Name &amp; Address Of The Customer</b> <b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/06101	
	LAB REF NO	UES/19-20/W/6101	
	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:	M/PO/SRV/1819/0084, DED. 07.08.2018
CUSTOMER SAMPLE ID	ETP OUTLET-I 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 and Odour	Hazen	APHA 22 <sup>nd</sup> Ed. 2012, 2120-B, 1-6	See 6 of Annexure-I	Absent
2	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 1-13	Shall not exceed 5°C above the receiving water temperature	24.8
3	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-92	5.5 to 9.0	7.8
4	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl-G, 3-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540-D, 1-66	100	23.2
6	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-B & D, 4-84 & 87	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-E, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	78.8
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 4):1993, RA 2003	30	19.7
18	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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**

- > 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**

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



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  
& CECB APPROVED  
LABORATORY**

<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/06578
	LAB REF NO	UES/19-20/W/6578
	DATE OF SAMPLING	22/05/2019
	DATE OF RECEIPT	23/05/2019
	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:	M/PO/SRV/1819/0084, DTD. 07.08.2018
CUSTOMER SAMPLE ID	ETP OUTLET-I 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 and Odour	Hazen	APHA 22 <sup>nd</sup> Ed. 2012, 2120-B, 2-8	See 6 of Annexure-I	Absent
2	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	shall not exceed 5°C above the receiving water temperature	24.9
3	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-92	5.5 to 9.0	7.7
4	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl-G, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540-D, 2-66	100	23.8
6	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-E 4D, 4-84 & 87	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	70.4
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 4):1993; RA 2003	30	17.4
18	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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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 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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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

<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/07426
	LAB REF NO	UES/19-20/W/7426
	DATE OF SAMPLING	26/06/2019
	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:
CUSTOMER SAMPLE ID	ETP OUTLET-I KONDKEL		M/PO/SRV/1819/0084, DTD. 07.08.2018
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 CONDITION AT RECEIPT OK
SAMPLING PROCEDURE	IS:3025 (PART I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39		SAMPLE COLLECTED BY CHEMIST
	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 <sup>nd</sup> Ed. 2012, 2110-B, 2-6	See 6 of Annexure-I	Absent
2	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	shall not exceed 5°C above the receiving water temperature	25.1
3	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-92	5.5 to 9.0	7.8
4	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl-G, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540- D, 2-66	100	24.0
6	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	0.5
7	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-E 4D, 4-84 & 87	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	76.4
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 4):1993; RA 2003	30	19.1
18	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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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 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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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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<b>Name &amp; Address Of The Customer</b> <b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/07935	
	LAB REF NO	UES/19-20/W/7935	
	DATE OF SAMPLING	24/07/2019	
	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:	M/PO/SRV/1819/0084, D.FD. 07.08.2018
CUSTOMER SAMPLE ID	EFF OUTLET-I KONDREL		SAMPLE CONDITION AT RECEIPT	OK
PACKING OF SAMPLE	3 L X 1 NO. PVC CAN	SEALED	SAMPLE COLLECTED BY	CHEMIST
	1 L X 1 NO. PVC CAN			
	1 L X 1 NO. GLASS BOTTLE			
SAMPLING PROCEDURE	IS:3025 (PART I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39		QUANTIFY 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 <sup>nd</sup> Ed. 2012, 2130-B, 2-6	See 6 of Annexure-I	<1
2	Odour	Hazen	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	24.8
4	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-92	5.5 to 9.0	7.6
5	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl <sup>-</sup> -G, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540-D, 2-66	100	23.4
7	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	0.6
8	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-B 4D, 4-84 & 8T	2.0	0.1
9	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	5.0	0.2
11	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-68	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	80.6
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	20.1
19	Oil & Grease	mg/L	IS 3025 (Part 38):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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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 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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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

<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/08808	
	LAB REF NO	UES/19-20/W/8808	
	DATE OF SAMPLING	28/08/2019	
	DATE OF RECEIPT	29/08/2019	
	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:	M/PO/SRV/1920/0065, DED. 06.08.2019
CUSTOMER SAMPLE ID	KFP 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 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 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	<1
2	Odour	Hazen	APHA 22 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	Shall not exceed 3°C above the receiving water temperature	24.9
4	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-32	5.5 to 9.0	7.62
5	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl <sup>-</sup> -G, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540- D, 2-66	100	24.5
7	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	0.8
8	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-E 40, 4-64 4-87	2.0	0.23
9	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	5.0	0.16
11	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	74.2
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 4):1993, RA 2003	30	18.5
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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.
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 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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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

<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/09488	
	LAB REF NO	UES/19-20/W/9488	
	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/SRV/1920/0065, DED. 06.08.2019
CUSTOMER SAMPLE ID	EFP 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 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 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	<1
2	Odour	Hazen	APHA 22 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	Shall not exceed 3°C above the receiving water temperature	24.9
4	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-32	5.5 to 9.0	7.63
5	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl <sup>-</sup> -G, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540- D, 2-66	100	24.8
7	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	0.82
8	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-E 40, 4-64 4-87	2.0	0.25
9	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	5.0	0.15
11	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	70.2
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 4):1993, RA 2003	30	17.5
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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.

 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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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

<b>Name &amp; Address Of The Customer</b> <b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/06102	
	LAB REF NO	UES/19-20/W/6102	
	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:	M/PO/SRV/1819/0084, DTD. 07.08.2018
CUSTOMER SAMPLE ID	EFP OULET-II KONDKEL	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 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 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Absent
2	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	24.9
3	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-92	5.5 to 9.0	7.7
4	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl <sup>-</sup> -G, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540-D, 2-66	100	22.8
6	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-B 4D, 4-84 & 87	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	76.6
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	19.1
18	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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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	For ULTIMATE ENVIROLYTICAL SOLUTIONS    <b>AUTHORIZED SIGNATORY</b>
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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. -99  
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

NABL ACCREDITED  
& CECB APPROVED  
LABORATORY

<b>Name &amp; Address Of The Customer</b>  <b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA, BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/06579
	LAB REF NO	UES/19-20/W/6579
	DATE OF SAMPLING	22/05/2019
	DATE OF RECEIPT	23/05/2019
	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:	M/PO/SRV/1819/0084, DTD. 07.08.2018
CUSTOMER SAMPLE ID	ETP COLETT-II KONDHEL	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 <sup>nd</sup> Ed. 2012, 1120-B, 2-6	See 6 of Annexure-I	Absent
2	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	24.8
3	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-32	5.5 to 9.0	7.8
4	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl-0, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540-D, 2-66	100	23.4
6	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-B 6D, 4-84 & 87	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-108	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3113-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	78.8
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 4):1993, RA 2003	30	19.5
18	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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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 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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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

<b>Name &amp; Address Of The Customer</b>  <b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA, BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/07427
	LAB REF NO	UES/19-20/W/7427
	DATE OF SAMPLING	26/06/2019
	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:	M/PO/SRV/1819/0084, DTD. 07.08.2018
CUSTOMER SAMPLE ID	ETP COLET-II KONDHEL	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 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Absent
2	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.0
3	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-92	5.5 to 9.0	7.9
4	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl <sup>-</sup> -G, 4-69	1.0	N.D.
5	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540- D, 2-66	100	23.8
6	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	N.D.
7	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-B 6D, 4-84 & 87	2.0	N.D.
8	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	0.1	N.D.
9	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	5.0	N.D.
10	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-19	3.0	N.D.
11	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
12	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3113-B, 3-23	0.01	N.D.
13	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
14	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
15	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
16	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	75.9
17	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	18.8
18	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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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- > This is for information as the party has asked for during test(s) only.

 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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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

<b>Name &amp; Address Of The Customer</b> <b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/07936	
	LAB REF NO	UES/19-20/W/7936	
	DATE OF SAMPLING	24/07/2019	
	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:	M/PO/SRV/1819/0084, DTD. 07.08.2018
CUSTOMER SAMPLE ID	EYP OULET-II KONIKEL	SAMPLE CONDITION AT RECEIPT	OK
PACKING OF SAMPK	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
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 <sup>nd</sup> Ed. 2012, 2120-B, 2-8	See 6 of Annexure-I	<1
2	Odour	Hazen	APHA 22 <sup>nd</sup> Ed. 2012, 2120-B, 2-8	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	24.8
4	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>-</sup> -B, 4-32	5.5 to 9.0	7.8
5	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl-G, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540-D, 2-86	100	23.2
7	Dissolved Phosphate (as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	0.5
8	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-B 4D, 4-54 & 87	2.0	0.2
9	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	5.0	0.2
11	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-36	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-36	0.05	N.D.
16	Total Chromium (as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand (COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	80.0
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 4):1993, RA 2003	30	19.8
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	N.D.
20	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	IS 3025 (Part 43):1992, RA 2003	1.0	N.D.

REMARKS: mg/lt.: 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.

 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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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

<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA – IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE – MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/08810	
	LAB REF NO	UES/19-20/W/8810	
	DATE OF SAMPLING	28/08/2019	
	DATE OF RECEIPT	29/08/2019	
	DATE OF REPORT	03/09/2019	
	DATE OF ANALYSIS	START:29/08/2019	END:01/09/2019

SAMPLE DETAILS			
SAMPLE TYPE	EFFLUENT WATER		ORDER /REFERENCE:
CUSTOMER SAMPLE ID	STP OITLET - PORTA CABIN KONDKEL		M/PO/SRV/1920/0065, D.FD. 06.08.2019
PACKING OF SAMPLE	3 L X 1 NO. PVC CAN	SEALED	SAMPLE CONDITION AT RECEIPT
	1 L X 1 NO. PVC CAN		
SAMPLING PROCEDURE	1 L X 1 NO. GLASS BOTTLE	SAMPLE COLLECTED BY	CHEMIST
	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 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-1	<1
2	Odour	Hazen	APHA 22 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-1	Agreeable
3	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.0
4	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-92	5.5 to 9.0	6.90
5	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl-B, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540-D, 2-66	100	40.5
7	Dissolved Phosphate(as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	0.8
8	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-B&D, 4-84487	2.0	N.D.
9	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	5.0	0.24
11	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium(as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand(COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	52.4
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	13.1
19	Oil & Grease	mg/L	IS 3025 (Part 39):1991, RA 2003	10	1.5
20	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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.

 <b>PREPARED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
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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

<b>Name &amp; Address Of The Customer</b>  <b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/5,</b> <b>MILUPARA U/G COAL MINE,</b> <b>VILLAGE - MILUPARA,</b> <b>BLOCK-TAMNAR,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/09490	
	LAB REF NO	UES/19-20/W/9490	
	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/SRV/1920/0065, D.FD. 06.08.2019
CUSTOMER SAMPLE ID	STP OITLET - 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 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	<1
2	Odour	Hazen	APHA 22 <sup>nd</sup> Ed. 2012, 2120-B, 2-6	See 6 of Annexure-I	Agreeable
3	Temperature	°C	APHA 22 <sup>nd</sup> Ed. 2012, 2130-B, 2-13	Shall not exceed 5°C above the receiving water temperature	25.0
4	pH	-	APHA 22 <sup>nd</sup> Ed. 2012, 4500-H <sup>+</sup> -B, 4-92	5.5 to 9.0	6.98
5	Total Residual Chlorine	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-Cl <sup>-</sup> -B, 4-69	1.0	N.D.
6	Total Suspended Solids	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 2540- D, 2-66	100	38.4
7	Dissolved Phosphate(as P)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-P-C, 4-153	5.0	1.1
8	Fluoride (as F)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 4500-F-B&D, 4-84487	2.0	N.D.
9	Lead (as Pb)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	0.1	N.D.
10	Zinc (as Zn)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	5.0	0.22
11	Copper (as Cu)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3111-B, 3-18	3.0	N.D.
12	Cadmium (as Cd)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cd, 3-105	2.0	N.D.
13	Mercury (as Hg)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3112-B, 3-23	0.01	N.D.
14	Arsenic (as As)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.2	N.D.
15	Selenium (as Se)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3114-C, 3-38	0.05	N.D.
16	Total Chromium(as Cr)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 3500-Cr-B, 3-69	2.0	N.D.
17	Chemical Oxygen Demand(COD)	mg/L	APHA 22 <sup>nd</sup> Ed. 2012, 5520-B, 5-17	250	62.2
18	Biochemical Oxygen Demand (BOD)	mg/L	IS 3025 (Part 44):1993, RA 2003	30	15.5
19	Oil & Grease	mg/L	IS 3025 (Part 39):1993, RA 2003	10	0.8
20	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> 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-----