



HDD-272, Phase III - Near JP Chowk  
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099  
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Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

<i>Name &amp; Address Of The Customer</i>		REPORT NO.	UES/TR/22-23/05354	
<b>To,</b> <b>SHRI BAJRANG POWER &amp; ISPAT LTD.</b> <b>VILL: TANDAWA &amp; KUNDRU,</b> <b>DHARSIWA -TILDA ROAD ,</b> <b>TEHSIL -TILDA, RAIPUR(C.G.)</b>		LAB REF NO.	UES/22-23/W/012050	
		DATE OF SAMPLING	10/11/2022	
		DATE OF RECEIPT	11/11/2022	
		DATE OF REPORT	15/11/2022	
		DATE OF ANALYSIS	START: 11/11/2022	END: 15/11/2022
<b>SAMPLE DETAILS</b>				
SAMPLE TYPE	BENEFICATION WATER			
ORDER /REFERENCE:	SBPIL/TILDA/ENV/2022-23/1404, DTD. 22/10/2022			
CUSTOMER SAMPLE ID	BENEFICATION WATER			
PACKING OF SAMPLE	4 L X 1 NO. PVC CAN, 1 L X 1 NO. GLASS BOTTLE (SEALED)			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	IS:3025 (PART I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39			

## TEST REPORT

S.R. NO.	PARAMETER	UNIT	METHOD OF TEST	STANDARD LIMIT (IS:10500:2012)	RESULT
1	pH	-	IS:3025(PART-11)	6.5 to 8.5	7.42
2	Turbidity	NTU	APHA 22 <sup>nd</sup> Ed.2012,2130-B,2-13	1.0 (max)	17.8
3	Total Dissolved Solids	mg/l	APHA 22 <sup>nd</sup> Ed.2012,3111-B, 3-18	500 (max)	192.4
4	Alkalinity Total (as CaCO <sub>3</sub> )	mg/l	APHA 22 <sup>nd</sup> Ed.2012,3500-AI-B, 3-61	200 (max)	122
5	Total Hardness ( as CaCO <sub>3</sub> )	mg/l	APHA 22 <sup>nd</sup> Ed.2012,3114-C, 3-38	200 (max)	86.0
6	Calcium (as Ca)	mg/l	APHA 22 <sup>nd</sup> Ed.2012,3500-Cr-B, 3-69	75 (max)	25.65
7	Magnesium (as Mg)	mg/l	APHA 22 <sup>nd</sup> Ed.2012,4500-B-B, 4-25	30 (max)	5.35
8	Chloride (as Cl)	mg/l	APHA 22 <sup>nd</sup> Ed.2012,3111-B,3-18	250 (max)	16.9
9	Sulphate (as SO <sub>4</sub> )	mg/l	APHA 22 <sup>nd</sup> Ed.2012,4500-F-B &D, 4-84 & 87	200 (max)	14.7
10	Nitrate (NO <sub>3</sub> )	mg/l	APHA 22 <sup>nd</sup> Ed.2012,3111-B, 3-18	45 (max)	5.73
11	Phosphate (as P)	mg/l	APHA 22 <sup>nd</sup> Ed.2012,4500-P-C, 4-153	--	N.D.
12	Sodium (as Na)	mg/l	APHA 22 <sup>nd</sup> Ed.2012,3500-Na-B,3-97	--	4.6
13	Iron (as Fe)	mg/l	APHA 22 <sup>nd</sup> Ed.2012,3111-B,3-18	0.3(max)	0.12
14	Potassium (as K)	mg/l	APHA 22 <sup>nd</sup> Ed.2012,3500-K-B, 3-87	--	0.97

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

**REMARKS: RESULTS ARE AS ABOVE**

### Terms & conditions

- The use of the report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 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

 15/11/2022 PREPARED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report-----