District Level Water Testing Laboratory, Hazaribagh

Office of the Executive, Engineer, Drinking Water and Sanitation Division, Hazaribagh
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(Test Analysis Report)

Descipline:- Chemical&Biological	Group :- Water	Sub –Group: Drinking Water	
Issued To:	RAJ MEMORIAL PUBLIC SCHOOL COLLEGE ROAD,TAJPUR,CHOUPARAN	SAMPLE CODE:- 01 Report Issue Date : 20.04.2026	
Sample Description / Type	Drinking water (G.W.)	Sample Provided by	Lab Rep Sujit Kumar
Report no	12	Sample Quantity / Packing	1 L HDPE Bottle
Date of Sample Received	18.04.2026	Sample Temperature	4 °C
Date of start of Analysis	18.04.2026	Humidity	50±15 % RH
Date of Completion Analysis :	20.04.2026	Sampling Procedure	N/A

Sl. No.	Parameter	Unit	Result	Method Reference	Specification as per BIS – 10500:2012 (Second Revision) Amendment – June 2015	
					Acceptable Limit (Max)	Permissible Limit (In Absence of Alternate source) (Max)
(A)	CHEMICAL PARAMETERS					
1	pH	-	7.25	APHA 24th Edition 2023-4500-H^+ B, (Electrometric Method)	6.5 – 8.5	No relaxation
2	Turbidity	NTU	1.4	APHA-24th Edition2023 -2130-A, (Nephelometric method)	1	5
3	Chloride (as Cl)	mg/L, Max	10	APHA-24th Edition 2023-4500- B, (Argentometric method)	250	1000
4	Total Hardness as $CaCO_3$	mg/L, Max	250	APHA-24th Edition 2023-2340-C (EDTA Titrimetric method)	200	600
5	Total Alkalinity as $CaCO_3$	mg/L, Max	234	APHA-24th Edition 2023-2320-B, (Titration Method)	200	600
6	Calcium as Ca+	mg/L, Max	45.22	APHA-24th Edition 2023-3500-Ca-B, (EDTA Titrimetric Method)	75	200
7	Magnesium as Mg+	mg/L, Max	20.18	APHA-24th Edition 2023-3500-Mg-B, (EDTA Titrimetric Method)	30	100
8	Fluoride as F	mg/L, Max	0.14	APHA 24th Ed.2023-4500 F^- C, (Ion selective electrode method)	1.0	1.50
9	Colour	CU (Hazen)	10	APHA 24th Edition 2023 (Visual Comparison Method)	5	15
10	Odour	–	Agreeable	IS 3025 (Part-5)	Agreeable	Agreeable
11	Iron as Fe	mg/L, Max	0.24	APHA 24th Edition 2023-4500-H^+ B, (1,10-phenanthroline Method)	1.0	No relaxation
12	Nitrate as NO_3	mg/L, Max	3.4	APHA 24th Edition 2023-4500-NO_3^- B, (Ultrviolet spectrophotometric screening Method)	45	No relaxation
13	Total Dissolved Solids at 180°C	mg/L, Max	225	APHA 24th Edition 2023-2540 C (Total Dissolved Solids at 180°C)	500	2000
(B)	BIOLOGICAL PARAMETERS					
14	Total Coliform	CFU/100 mL	0	APHA 24th Ed. 2023-3500 Fe B (Membrane Filter Technique)	Shall not be detectable in any 100 mL Sample	
15	Thermotolerant(Fecal) Coliform/ E.Coli	CFU/100 mL	0	APHA 24th Ed. 2023-9222D (Membrane Filter Technique)	Shall not be detectable in any 100 mL Sample	

Remarks:-On the basis of these tested parameters submitted/collected water samples confirms IS 10500 Yes (✓) / No ( )

Specific contractual notes: -

1. The results listed refer only to the tested sample and applicable parameter.
2. This report shall not be reproduced except in full without approval of the laboratory.
3. This report results apply to the sample as received.
4. This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
5. Tested Sample shall be retained up to seven days from the date of issue of the test report
6. The liability of the laboratory is limited to the invoiced amount.
7. All disputes are subjected to the Hazaribagh Jurisdiction.
8. NOTE:- BDL=Below Detection Limit

20/4/2026
Quality Manager
Authorised Signatory
District Level Water Testing Laboratory
D.W.&S Division, Hazaribagh
(Abhishek Kumar, Quality Manager)

20/4/2026

Reviewed by Technical Manager (B.K.Prasad)

.....End of Report.....