



District Level Water Testing Laboratory, Ranchi

Test Report

Report No. :- 084-RNC-2026		Report Issue Date :- 04-05-2026	
Discipline :- Chemical		Group :- Water	
Issued To :- BALDEV PUBLIC SCHOOL , KHIJURTOLA, BOOTY, RANCHI, JHARKHAND		Sub - Group :- Drinking Water	
Sample Description / Type		SAMPLE CODE :- 3	
Sample Location		LAB REP	
Date of Sampling		Sample Collected by	
Date of Start of Analysis		Sample Quantity/ Packing	
Date of Completion Analysis		Temperature	
		Humidity	
		25±2° C	
		25±15 % RH	
		N/A	

Test Result

Sl. NO.	Parameter	Unit	Result	Method Reference	Specification as per BIS – 10500:2012 (Second Revision)	
					Acceptable Limit (Max)	Permissible Limit (In Absence of Alternate Source) (Max)
Amendment – June 2015						
(A)	CHEMICAL PARAMETER					
1.	PH	-	6.88	APHA 23 rd Edition 2017-4500-H ⁺ B, (Electrometric Method)	6.5 – 8.5	No Relaxation
2.	Turbidity	NTU	1.2	APHA 23 rd Edition 2017-2130-A, (Nephelometric Method)	1	5
3.	Chloride (as Cl)	mg/L, Max	20	APHA 23 rd Edition 2017-4500-B, (Argentometric Method)	250	1000
4.	Total Hardness as CaCO ₃	mg/L, Max	200	APHA 23 rd Edition 2017-2340-C, (EDTA Titrimetric Method)	200	600
5.	Total Alkalinity as CaCO ₃	mg/L, Max	190	APHA 23 rd Edition 2017-2320-C, (Titration Method)	200	600
6.	Calcium as Ca ⁺	mg/L, Max	25.15	APHA 23 rd Edition 2017-3500-Ca-B, (EDTA Titrimetric Method)	75	200
7.	Magnesium as Mg ⁺	mg/L, Max	10.28	APHA 23 rd Edition 2017-3500-Mg-B, (EDTA Titrimetric Method)	30	100
8.	Fluoride as F	mg/L, Max	0.18	APHA 23 rd Ed. 2017-4500 F C, (Ion selective method)	1.0	1.50
9.	Colour	CU (Hazen)	2	APHA 23 rd Edition (Visual Comparison Method)	5	15
10.	Odour	--	Agreeable	IS 3025 (Part – 5)	Agreeable	Agreeable
(B)	BIOLOGICAL PARAMETERS					
11.	Total Coliform	CFU/100 mL	NIL	APHA 23 rd Ed. 2017-9222B (Membrane Filter Technique)	Shall not be detectable in any 100 mL Sample	
12.	Thermotolerant (Fecal) Coliform/E. Coll	CFU/100 mL	NIL	APHA 23 rd Ed. 2017-9222D (Membrane Filter Technique)	Shall not be detectable in any 100 mL Sample	

Remarks: - According to above parameters Water is fit for drinking 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 result relates only to the items tested.
5. This report in full or in part, shall not be used for advertising or as evidence in any court of law.
6. Tested sample shall be retained up to seven days from the date of issue of the test report.
7. The liability of the laboratory is limited to the invoiced amount.
8. All disputes are subjected to the Ranchi Jurisdiction.
9. NOTE:- BDL=Below Detection Limit.

Reviewed by

Authorized by

(Signature)
अवर प्रमंडल पदाधिकारी
स्वास्थ्य विभाग

(Signature)

End of Reports.

Address: - Office of the Executive, Engineer, Drinking water and Sanitation Division, Ranchi

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