



District Level Water Testing Laboratory, Hazaribagh

Test Report

Report No:-8	Group :- Water	Report Issue Date : . 09.01.2025
Discipline:- Chemical & Biological		Sub -Group: Ground Water
Issued To:	P.M. INTERNATIONAL SCHOOL PACHU MAHTO NAGAR KAPKA BRAKATHA, HAZARIBAG	SAMPLE CODE:- 05
Sample Description / Type	G.W	Sample Collected by LAB REP Mahesh Kumar
Sample Location	FINAL OUTLET	Sample Quantity / Packing 2 L PVC Bottle
Date of Sampling	07.01.2025	Temperature 25±2°C
Date of start of Analysis	07.01.2025	Humidity 50±15 % RH
Date of Completion Analysis :	09.01.2025	Sampling Procedure N/A
U/LR No-	N/A	

Test Result

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	-	7.18	APHA 23 rd Edition 2017-4500-H ⁺ B, (Electrometric Method)	6.5 – 8.5	No relaxation
2	Turbidity	NTU	1.2	APHA-23rd Edition 2017-2130-A, (Nephelometric method)	1	5
3	Chloride (as Cl)	mg/L, Max	30	APHA-23rd Edition 2017-4500- B, (Argentometric method)	250	1000
4	Total Hardness as CaCO ₃	mg/L, Max	140	APHA-23 rd Edition 2017-2340-C (EDTA Titrimetric method)	200	600
5	Total Alkalinity as CaCO ₃	mg/L, Max	120	APHA-23 rd Edition 2017-2320-B, (Titration Method)	200	600
6	Calcium as Ca ⁺	mg/L, Max	18.16	APHA-23 rd Edition 2017-3500-Ca-B, (EDTA Titrimetric Method)	75	200
7	Magnesium as Mg ⁺	mg/L, Max	12.14	APHA-23 rd Edition 2017-3500-Mg-B, (EDTA Titrimetric Method)	30	100
8	Fluoride as F	mg/L, Max	0.12	APHA 23 rd Ed. 2017-4500 F ⁻ C, (Ion selective electrode method)	1.0	1.50
9	Colour	CU (Hazen)	1	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 23rd Ed. 2017-9222B (Membrane Filter Technique)	Shall not be detectable in any 100 mL Sample	
12	Thermotolerant(Fecal) Coliform/ E.Coli	CFU/100 mL	NIL	APHA 23rd 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 results relate 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 Hazaribagh Jurisdiction.
- 9.NOTE:- BDL=Below Detection Limit

Reviewed by

Authorized by

B.K.P.
9/1/25

Abhishek
09/01/2025

Mr. B.K. Prasad

Mr. Abhishek Kumar

Technical Manager

Quality Manager

District Level Water Testing Laboratory
D.W.&S. Division, Hazaribagh

On the basis of above stated parameters
Collected sample confirms IS 10500.

End of Report.....

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