



DISTRICT LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

Format No.:DLWTL/FRM/08

Issue No.: 025

Issue Date: 10-05-2025



TEST REPORT

Report No: DLWTL/023

Date of Reporting: 10-05-2025

Name of the Organisation/Person: Nalanda Public School

Location Details: Kaithir, Hisua, Nawada - 805103

Sample Received on: 08-05-2025

Type of Sample: Ground Water

Source of Sample: Filter Water

Volume of Sample: 1 Ltr.

Type of Container: Plastic

Mode of Preservation: Preserved

Sample Condition: Sealed

Deviation of Method, If Any: NIL

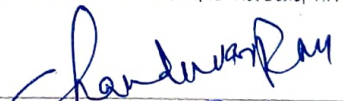
Date of Sampling: 08-05-2025

Date of Analysis Completed: 10-05-2025

Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters.

Sl. No.	Parameters	Minimum Detection Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters (APHA 23 rd Ed. 2017)	Results
1	pH Value	2.0	6.5-8.5	No relaxation	4500-H ⁺ B, 4-95 to 4-99	7.91
2	Turbidity, NTU	4.0	1	5	2130 B, 2-13 to 2-15	<4.0
3	Conductivity, μ mhos/cm	1.0	-	-	2510 B, 2-58 to 2-59	559.50
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	364.00
5	Total Hardness(as CaCO ₃), mg/l	10.0	200	600	2340C, 2-48 to 2-50	252.00
6	Calcium(as Ca), mg/l	5.0	75	200	3500-Ca B, 3-69	54.50
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	28.18
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	17.99
9	Alkalinity(as CaCO ₃), mg/l	10.0	200	600	2320B, 2-37	280.00
10	Iron(as Fe), mg/l	0.01	1.0	No relaxation	3500-FeB 3-80 to 3-82	<0.01
11	Nitrate(as NO ₃), mg/l	1.0	45	No relaxation	4500-NO ₃ B, 4-127, to 4-129	<1.0
12	Sulphate(as SO ₄), mg/l	5.0	200	400	4500-SO ₄ E, 4-199 to 4-200	11.40
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 -4-92	0.52
14	Arsenic(as As), mg/l	0.005	0.01	No relaxation	3500-As A & B, 3-66 to 3-68	<0.005

Note: * (i) Drinking Water Specification Second Revision -IS: 10500-2012, ND=Not Done, NR=Not Required.


Assistant Engineer
P.H.E.D., Nawada

(Rajan Kumar)
Signature of Lab-In-charge

Received By

1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

----- END OF TEST REPORT -----