

Date- 10/06/2025

GOVT. OF BIHAR

DISTRICT LEVEL LABORATORY

Public Health Engineering Department

PH, Division, Banka

TEST REPORT

Name of Source :- Disha Nucleus School	Date of Reporting:- 10.06.2025
Location :- Add- Rai Pokhar, Rajapur, Amarpur, Dist- Banka , Pin Code-813101	Date of Sampling :- 02.06.2025
Sample Collected By :- Ram Krishna Sinha	Source of Sample:- Borewell

PHYSICO-CHEMICAL TEST REPORT

Sl.No.	Parameters	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Result
1	PH Value	6.5-8.5	No relaxation	Electrometric Method	7.1
2	Turbidity, NTU	1.0	5.0	Nephelometric	1.9
3	Conductivity, $\mu\text{mho/cm}$	-	-	Instrumental Method	592
4	Total Dissolved Solid, mg/l	500	2000	Instrumental Method	386
5	Total Hardness(as CaCO_3), mg/l	200	600	EDTA method	236.6
6	Calcium(as Ca), mg/l	75	200	EDTA method	49.38
7	Magnesium(as Mg), mg/l	30	100	EDTA method	19.04
8	Chloride(as Cl), mg/l	250	1000	Titration Method	26.56
9	Alkalinity(as CaCO_3), mg/l	200	600	Titration Method	186.22
10	Iron(as Fe), mg/l	0.3	1.0	Phenanthroline Method	0.28
11	Nitrate(as NO_3), mg/l	45.0	No relaxation	UV-method	2.6
12	Sulphate(as SO_4), mg/l	200	400	Turbidimetric Method	28
13	Fluoride(as F), mg/l	1.0	1.5	ION Method	0.78
14	Bacteriological Test	0.0	0.0	By H ₂ S Strip Vial	Not Found

Note:-(1) * Drinking Water Specification Second Revision -IS:10500:2012

(2) BDL means Below Detection Limit

(3) All the testing parameters methods are taken by APHA 20th Edition


 10.06.2025
 Chemist
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 10/06/25
 Assistant Engineer
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