

GOVT. OF BIHAR
DISTRICT LEVEL LABORATORY

Public Health Engineering Department

PH. Division, Banka

TEST REPORT

Name of Source :- B.D.ACADEMY	Date of Reporting:- 30.06.2026
Location :- Khemichak, Amarpur, Banka, Bihar	Date of Sampling :- 22.06.2026
Sample Collected By :- Rajeev Kumar	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	7.2
2	Turbidity	1.0	5.0	Nephelometric	2.1
3	Conductivity, $\mu\text{mho/cm}$	-	-	Instrumental Method	392
4	Total Dissolved Solid, mg/l	500	2000	Instrumental Method	254
5	Total Hardness(as CaCO_3), mg/l	200	600	EDTA method	141.12
6	Calcium(as Ca), mg/l	75	200	EDTA method	37.24
7	Magnesium(as Mg), mg/l	30	100	EDTA method	11.31
8	Chloride(as Cl), mg/l	250	1000	Titration Method	28.39
9	Alkalinity(as CaCO_3), mg/l	200	600	Titration Method	121.52
10	Iron(as Fe), mg/l	0.3	1.0	Phenanthroline Method	0.14
11	Nitrate(as NO_3), mg/l	45.0	No relaxation	UV-method	2.2
12	Sulphate(as SO_4), mg/l	200	400	Turbidimetric Method	16
13	Fluoride(as F), mg/l	1.0	1.5	ION Method	0.68
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

Chemist
P.H.Division, Banka

Assistant Engineer
P.H.Sub-division Banka

Annexure C

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.

Dated:

It is certified that an inspection team headed by Subhash Kumar Sourav

(Name of Officers with designation) from Barahat Division PHED

inspected the B.D. Academy, Khemichale Amerpur, Banka

(Name & Address of the school) on 28/06/26 (date of inspection) and on the basis of

Water Test Report (Attached) bearing no. 055 dated 30/06/26

of Banka Dist. (PHED Lab) certified that

the B.D. Academy (Name of school) has safe drinking water

facilities for the students and members of staff of the institution. School is also maintains the

hygienic sanitation condition in the school building & the campus as per norms prescribed by the

Central/ State/ U.T. Govt.

This certificate is valid till 29/06/2027

Signature with Seal:

Name

Designation

Name & Address of the Office / Department

30/06/26

RESHAV RANJAN

ASSISTANT ENGINEER

PHED BANKA

बंका

To B.D. Academy

Khemichale Amerpur, Banka
(Name & Address of the Institution)

Note: The certificate is to be issued by authorized officer / PHED Lab / local bodies