

	STATE LEVEL WATER TESTING LABORATORY P.H.E.D., GOVERNMENT OF BIHAR	Format No.: SLWTL/FRM/02
		Issue No.18
	TEST CERTIFICATE	

Report No: SLWT/18/GW-102965	Date of Reporting: 22.02.2025
Name of the Organisation/Person: P K RURAL PUBLIC SCHOOL	Sample Received on: 22.02.2025
Ref.Memo No: PKRP/18 dated.22.02.2025	Date of Sampling: 22.02.2025
Location Details: PRABHU NAGAR, SHEKHPURA, CHANDI, NALANDA	Source of Sample: Drinking Water
Sample Collected By: SLWTL	Type of Container: Plastic
Type of Sample : Ground Water	Sample Condition: Sealed
Volume of Sample: 1 Ltr	Date of Analysis Completed: 25.02.2025
Mode of Preservation: Preserved	-
Date of Analysis Started: 25.02.2025	-

PHYSICO-CHEMICAL TEST REPORT

Sl. No.	Parameters	Minimum Description Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Results
1	pH Value	2.0	6.5-8.5	No relaxation	Ph. meter	7.00
2	Turbidity, NTU, Max	4.0	1	10.0	Nephelometric	2.01
3	Conductivity, umho/cm	1.0	-	-	Conductivity meter	360.00
4	Total Dissolved Solid, mg/l, Max.	10.0	500	2000	Conductivity meter	278.00
5	Total Hardness(as CaCO), mg/l, Max.	10.0	300	600	EDTA method	257.00
6	Calcium(as Ca), mg/l, Max.	5.0	75	200	EDTA method	44.11
7	Magnesium(as Mg), mg/l, Max.	2.0	30	100	EDTA method	16.12
8	Chloride(as Cl), mg/l, Max.	5.0	250	1000	Titration	24.30
9	Alkalinity(as CaCO), mg/l, Max.	10.0	200	600	Titration	184.12
10	Iron(as Fe), mg/l, Max.	0.01	1.0	No relaxation	Phenonthroline	0.49
11	Nitrate(as NO), mg/l, Max.	1.0	45	No relaxation	UV-method	0.78
12	Sulphate(as SO), mg/l, Max.	5.0	200	400	Terbidimetric	9.97
13	Fluoride(as F), mg/l, Max.	0.01	1.0	1.5	SPANDS	0.55
14	Arsenic(as As), mg/l, Max.	0.002	0.01	No relaxation	AAS	BDL

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

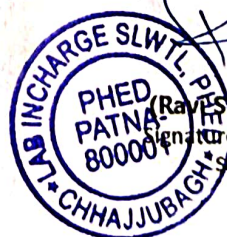
(ii)BDL means Below Detection Limit.

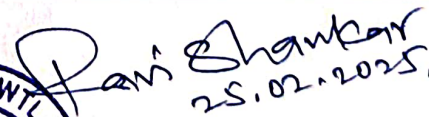
BACTERIOLOGICAL TEST REPORT

Sl. No.	Parameters	Permissible Limit	Method of Testing Parameters	Results
15	Coliform Organisms, MPN/100ml	**	M- Test- Tube Technique	Absent

Note; **shall not be detectable in any 100 ml

30/3/2025




 (Ravishankar Kumar)
 Signature of Lab-In-charge
 SLWTL, PHED
 Patna