

**DISTRICT LEVEL WATER QUALITY TESTING LABORATORY (DLWQTL) E.CHAMPARAN,
MOTIHARI.**



Public Health Engineering Department, Government of Bihar

DRINKING WATER QUALITY TEST CERTIFICATE



Letter No-.....29...../

Name of District : East Champaran

Sampling Date : 26.05.2025

Sample Reciving Date in Lab: 26.05.2025

Sample Code: 38/Mot/May/2025

Date-...29/05/25.../

Sample Collected By : Not Collected by us.

Source of Sample : Boring

Date of Testing : 29.05.2025

Valid Up To- 28.05.2026

Name of Persion/Organization/Location:	VA Holy Mission High School, Barwa, Lakhaura, Motihari, East Champaran, Bihar
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PHYSICO-CHEMICAL & BACTERIOLOGICAL TEST REPORT

Sl. No.	Parameters	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Results
1	pH Value	6.5-8.5	No relaxation	pH meter	7.41
2	Turbidity, NTU, Max	5	10	Nephelometric	1.40
3	Conductivity, μ mho/cm	-	-	Conductivity meter	335
4	Total Dissolved Solid, mg/l, Max.	500	2000	Conductivity meter	218
5	Total Hardness (as CaCO ₃), mg/l, Max	300	600	EDTA method	160.00
6	Calcium (as Ca), mg/l, Max	75	200	EDTA method	64.00
7	Magnesium (as Mg), mg/l, Max	30	100	EDTA method	23.00
8	Chloride (as Cl), mg/l, Max.	250	1000	Titration	20.00
9	Alkalinity (as CaCO ₃), mg/l, Max.	200	600	Titration	190
10	Iron (as Fe), mg/l, Max.	1	No relaxation	Phenonthroline	0.46

Note:-Fit for Drinking Purpose as Above Parameters.

Note *(1) Drinking Water Specification First Revision -IS 10500.1991, Edition 2.2(2003-09)(Reaffirmed1993), (2) BDL = Below Detection Limit, (3) Testing Methods are taken by APHA 20th Edition (4) NR = No Relaxation, (5) ND = Not Done.

** (a) Throughout any year, 95% of the samples should not contain coliform organisms in 100ml, (b) No sample should contain more than 10 coliform organisms per 100ml, (c) Coliform organisms should not be detected in 100ml of any two consecutive samples.

Chemist
P.H. Division, Motihari.
29/05/25