

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



Public Health Engineering Department, Government of Bihar
DRINKING WATER QUALITY TEST CERTIFICATE



Latter No-09...../

Name of District : East Champaran

Sampling Date : 17.04.2025

Sample Reciving Date in Lab: 17.04.2025

Sample Code: 16/Mot/Apr/2025

Date-19/04/2025

Sample Collected By : Not Collected by us.

Source of Sample : Boring

Date of Testing : 19.04.2025

Valid Up To- 18.04.2026

Name of Persion/Organization/Location:	Delhi Public School,Jubilee,Motihari, East Champaran.
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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	7.21
2	Turbidity, NTU, Max	5	10	Nephelometric	1.00
3	Conductivity, μ mho/cm	-	-	Conductivity meter	280
4	Total Dissolved Solid, mg/l, Max.	500	2000	Conductivity meter	182
5	Total Hardness (as CaCO_3), mg/l, Max	300	600	EDTA method	140.00
6	Calcium (as Ca), mg/l, Max	75	200	EDTA method	40.00
7	Magnesium (as Mg), mg/l, Max	30	100	EDTA method	14.00
8	Chloride (as Cl), mg/l, Max.	250	1000	Titration	10.00
9	Alkalinity (as CaCO_3), mg/l, Max.	200	600	Titration	160
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.

