

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

Public Health Engineering Department, Government of Bihar

DRINKING WATER QUALITY TEST CERTIFICATE

Name of District : East Champaran

Sampling Date : 19 02 2025

Sample Receiving Date in Lab: 19 02 2025

Sample Code: 69/Gho/Feb/2025

Sample Collected By : Not Collected by us

Source of Sample : Boring

Date of Testing : 21 02 2025

Valid Up To- 20 02 2026

Name of Person/Organization/Location:	JNAN JYOTI, Purnahia, Ghorasahan, 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	7.28
2	Turbidity, NTU, Max	5	10	Nephelometric	1.02
3	Conductivity, μ mho/cm	-	-	Conductivity meter	271
4	Total Dissolved Solid, mg/l, Max.	500	2000	Conductivity meter	176
5	Total Hardness (as CaCO_3), mg/l, Max	300	600	EDTA method	156.00
6	Calcium (as Ca), mg/l, Max	75	200	EDTA method	40.00
7	Magnesium (as Mg), mg/l, Max	30	100	EDTA method	32.00
8	Chloride (as Cl), mg/l, Max.	250	1000	Titration	24.00
9	Alkalinity (as CaCO_3), mg/l, Max.	200	600	Titration	164
10	Iron (as Fe), mg/l, Max.	1	No relaxation	Phenanthroline	0.32

Note:-Fit for Drinking Purpose as Above Parameters.

Note: * (1) Drinking Water Specification First Revision -IS 10500:1991, Edition 2/2 (2003-09) (Reaffirmed 1993). (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.



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