

PEROFORMA FOR SAFE DIRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.:- 376

Date:- 24/07/2025

It is certified that an inspection team headed by Vishwambhar Kumar Mandal, Assistant Engineer From Public Health Sub-division, Samastipur inspected the TECHNO MISSION SCHOOL, SAMASTIPUR-848101 on 16.07.2025 and on the basis of Water Test Report (Attached) bearing no.-185/Sam/Jul/2025, dated-18.07.2025 of District Level Water Quality Testing Laboratory (DLWQTL), Samastipur certified that the TECHNO MISSION 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.

Recd
24/07/25
JE Samastipur

Signature with Seal..........
24/07/25

Name :- Vishwambhar Kumar Mandal

Designation : **Sub Divisional Officer**
P.H. Sub. Division, Samastipur

TO,

PRINCIPAL,
TECHNO MISSION SCHOOL,
SAMASTIPUR-848101

**DISTRICT LEVEL WATER QUALITY TESTING LABORATORY (DLWQTL)
SAMASTIPUR.**

Public Health Engineering Department, Government of Bihar

DRINKING WATER QUALITY TEST CERTIFICATE

Name of District: Samastipur

Sample Collected By: Not Collected by us

Sampling Date: 18.07.2025

Name of Person/Organization: Techno
Mission School

Source of Sample RO

Sample 185/Sam/Jul/2025

Sample Reciving Date: 18.07.2025

| | |
|-----------|---|
| Location: | Techno Mission School, Mohanpur, Samastipur |
|-----------|---|

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 | 7.00 |
| 2 | Turbidity, NTU, Max | 5 | 10 | Nephelometric | 1 |
| 3 | Conductivity, μ mho/cm | - | - | Conductivity meter | 135 |
| 4 | Total Dissolved Solid, mg/l, Max. | 500 | 2000 | Conductivity meter | 85 |
| 5 | Total Hardness (as CaCO_3), mg/l, Max | 300 | 600 | EDTA method | 45 |
| 6 | Calcium (as Ca), mg/l, Max | 75 | 200 | EDTA method | 20 |
| 7 | Magnesium (as Mg), mg/l, Max | 30 | 100 | EDTA method | 15 |
| 8 | Chloride (as Cl), mg/l, Max. | 250 | 1000 | Titration | 18.00 |
| 9 | Alkalinity (as CaCO_3), mg/l, Max. | 200 | 600 | Titration | 64 |
| 10 | Iron (as Fe), mg/l, Max. | 0.3 | 1 | Phenonthroline | 0.29 |
| 11 | Nitrate (as NO_3), mg/l, Max. | 45 | No relaxation | UV-method | 0.8 |
| 12 | Sulphate (as SO_4), mg/l, Max. | 200 | 400 | Turbidimetric | 12.00 |
| 13 | Fluoride (as F), mg/l, Max. | 1 | 1.5 | SPANDS | 0.09 |
| 14 | Arsenic (as As), mg/l, Max. | 0.01 | 0.05 | SDDC | BDL |
| 15 | Coliform Organisms, MPN/100ml | ** | ** | H_2S Vials | -ve |

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.

Copy forwarded for information to: (i) Consultant Water Quality Cell, PHED, Govt. of Bihar, (ii) Director, Water Quality Cell, PHED, Govt. of Bihar, (iii) Engineer-in-Chief cum Special Secretary, PHED, Govt. of Bihar

