

Office of the Assistant Engineer
Public Health Engineering department, Sub. Division, Indore
Radio colony, pani ki tanki, Indore

866
No.../Lab/A.E./P.H.E./ Sub.dvn/2024

Indore/ Date 21/7/24

//Certificate//

It is certified that an inspection by Mr. Virendra Singh Giriswar
Chemist, District Water Testing Laboratory, P.H.E. Sub. division, Indore
Inspected the Shei mahelubei H.S. school 51, Chatribog, Indore
----- (M.P) on 04/07/24 and on the basis of Water
Test Report bearing No. 15 dated 02/07/24 of District Water
Testing (PHED Lab) Certified that the Shei mahelubei H.S. school
51, Chatribog, Indore----- (M.P) 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 Certificate is valid till a period of **1 year**.

Virendra Singh Giriswar
Chemist
District Water Testing Laboratory
P.H.E.D, Indore (M.P.)
Signature with Seal
Name- Virendra Singh Giriswar
Designation- Chemist

Virendra Singh Giriswar
Assistant Engineer
Public Health Engineering Department
Sub Division, Indore

To,
Shei mahelubei H.S. school
51, Chatribog, Indore

PUBLIC HEALTH ENGINEERING DEPARTMENT

DISTRICT WATER TESTING LABORATORY P.H.E.D. INDORE (M.P.)

ANALYSIS REPORT

Type of sample :- R.O. Purified Sample
 Particular of sender :- Principal, Shri makeswari H.S. School, Si Charibog, Indore
 Particular of sample Collected / Not collected by PHED

| Sample no. | Place of collection and details of sample | Date |
|------------|---|------------|
| 01 | R.O. Purified water sample, Shri M.H.S. School, Corners | 02/07/2024 |
| | | |
| | | |

particular to be filled in the laboratory

| | |
|---------------------------------|-------------------------------|
| Date of Receipt:- 02/07/2024 | Time of Receipt:- 12:30 PM |
| Lab Reference No. 15/02-07-2024 | Date of Analysis:- 02/07/2024 |

Nature of Testing- Physical, Chemical and Bacteriological Analysis

| S.no. | Characteristics | Unit | As Per BIS -10500:2012 for Drinking water | | Result | | | |
|-------|-----------------|------|---|---|----------|----------|----------|----------|
| | | | Requirement (Desirable Limit) | Permissible Limit in the absence of alternet source | Sample 1 | Sample 2 | Sample 3 | Sample 4 |

PHYSICAL TESTS

| | | | | | | | | | |
|---|--------------|-------|-----------|-----------|-----------|--|--|--|--|
| 1 | Temperature | °C | - | - | - | | | | |
| 2 | Turbidity | NTU | 1.0 | 5.0 | 2 | | | | |
| 3 | Colour | Hazen | 5 | 15 | 0 | | | | |
| 4 | Taste Rating | - | Agreeable | Agreeable | Agreeable | | | | |
| 5 | Odour | - | Agreeable | Agreeable | Agreeable | | | | |

CHEMICAL TESTS

| | | | | | | | | | |
|----|---------------------------------------|----------|------------|---------------|-------|--|--|--|--|
| 6 | pH Value | pH Scale | 6.5 to 8.5 | No relaxation | 7.29 | | | | |
| 7 | Total Hardness as CaCO ₃ | Mg/l | 200 | 600 | 40 | | | | |
| 8 | Calcium as Ca ⁺⁺ | Mg/l | 75 | 200 | 8.2 | | | | |
| 9 | Magnisium as Mg ⁺⁺ | Mg/l | 30 | 100 | 4.32 | | | | |
| 10 | Total Alkalinity as CaCO ₃ | Mg/l | 200 | 600 | 24 | | | | |
| 11 | Chloride as Cl | Mg/l | 250 | 1000 | 24 | | | | |
| 12 | Nitrate as NO ₃ | Mg/l | 45 | 45 | 5.09 | | | | |
| 13 | Total Dissolved Solids | Mg/l | 500 | 2000 | 116 | | | | |
| 14 | Iron | Mg/l | 1.0 | 1.0 | 0.10 | | | | |
| 15 | Sulphate as SO ₄ | Mg/l | 200 | 400 | 19.04 | | | | |
| 16 | Fluoride as F ⁻ | Mg/l | 1.0 | 1.5 | 0.10 | | | | |
| 17 | Manganese as Mn | Mg/l | 0.1 | 0.3 | 0.0 | | | | |
| 18 | Residual Chlorine as Cl ₂ | Mg/l | 0.2 | 1.0 | - | | | | |
| 19 | Arsenic | Mg/l | 0.01 | 0.0 | - | | | | |

BACTERIOLOGICAL TESTS

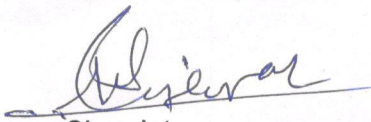
| | | | | | | | | | |
|----|-----------------|------------|-----|--|----|--|--|--|--|
| 20 | MPN of Coliform | Per 100 ml | Nil | | 00 | | | | |
| 21 | Faecal Coliform | Per 100 ml | | | 00 | | | | |

NOTES :- The figure indicated under the column "**Requirment (Desirable Limit)**" the limits unto which water is generally acceptable to the consumers. Figures in excess of those mentioned under "**Requirment (Desirable Limit)**" the water not acceptable , but still may be tolerated in the absence of an alternative and better source but upto the limits indicated under column "**Permissible Limit in the absence of alternet source**" above which the source will have to be rejected (**Guidline values for Drinking Water as Per BIS 10500: 2012**).

In All water intended for Drinking Water E.Coli or Thermo tolerant Coliform Bacteria must not be Detactable in any 100 ml sample.

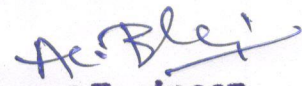
Treated water entering in / in distribution system E.Coli or Thermo Tolerent Coliform bacteria and Total Coliform bactaria must not be detectable in any 100 ml sample. In case of large supplies, Where sufficient samples are examined must not be present in 95% of samples taken through out any 12 months period.

Remark if any :- As per above test water sample is found
Potable water.



Chemist

District Water Testing Laboratory
P.H.E. Sub.Dn.Indore
Distt. Indore



Assistant Engineer
PHE Sub. Dn. Indore
Public Health Engineering
Dist-Indore (M.P.)
Department of P.H.E. Dn. Indore

NO. 865 /lab/ A.E/ Phe.sub.Division Indore Date 9/7/24