# PUBLIC HEALTH ENGINEERING DEPARTMENT

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

**ANALYSIS REPORT**

Type of sample :- R.O. water

Particular of sender :- Principal, Shri Agrasen Vidyalaya, Indore

Particular of sample — Collected / Not collected by PHED ✓

| Sample no. | Place of collection and details of sample | Date |
|---|---|---|
| 01 | R.O. water, Shri Agrasen Vidyalaya Indore | 25/03/2025 |
| | | |
| | | |
| | | |

particular to be filled in the laboratory

| | |
|---|---|
| Date of Receipt:- 25/03/2025 | Time of Receipt:- 3:30 pm |
| Lab Reference No. 54/26-03-2025 | Date of Analysis:- 26/03/2025 |

## Nature of Testing- Physical, Chemical and Bacteriological Analysis

| S.no. | Characteristics | Unit | As Per BIS -10500:2012 for Drinking water | | Result | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Requirment (Desirable Limit) | Permisible 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 | 1.0 | | | |
| 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 | 6.76 | | | |
| 7 | Total Hardness as $CaCO_3$ | Mg/l | 200 | 600 | 56 | | | |
| 8 | Calcium as Ca++ | Mg/l | 75 | 200 | 16 | | | |
| 9 | Magnisium as Mg++ | Mg/l | 30 | 100 | 3.84 | | | |
| 10 | Total Alkalinity as $CaCO_3$ | Mg/l | 200 | 600 | 60 | | | |
| 11 | Chloride as Cl | Mg/l | 250 | 1000 | 48 | | | |
| 12 | Nitrate as $NO_3$ | Mg/l | 45 | 45 | 10.04 | | | |
| 13 | Total Dissolved Solids | Mg/l | 500 | 2000 | 68 | | | |
| 14 | Iron | Mg/l | 1.0 | 1.0 | 0.10 | | | |
| 15 | Sulphate as $SO_4$ | Mg/l | 200 | 400 | 3.24 | | | |
| 16 | Fluoride as F | Mg/l | 1.0 | 1.5 | 0.10 | | | |
| 17 | Manganese as Mn | Mg/l | 0.1 | 0.3 | 00 | | | |
| 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 **"Permisible 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 tolerent 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 Patable water.

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

Assistant Engineer
PHE Sub. Dn. Indoore
Dist-Indore (M.P.)

Assistant Engineer
Public Health Engineering
Department Sub. Dn. Indore

NO. 469 /lab/ A.E/ Phe.sub.Division Indore Date 4/4/25

# Office of the Assistant Engineer

Public Health Engineering department, Sub. Division, Indore
Radio colony, pani ki tanki, Indore

No. 469 /Lab/A.E./P.H.E./ Sub.dvn/2025 Indore/ Date 4.4.25

## //Certificate//

It is certified that an inspection by Mr. Virendra Singh Chirwar
Chemist, District Water Testing Laboratory, P.H.E. Sub. division, Indore
Inspected the Shri Agralan Vidyalaya, 41-51 Sneh Nagar, Lotus-Showroom, Indore (M.P) on 26/03/2025 and on the basis of Water Test Report bearing No. 54 dated 25/03/2025 of District Water Testing (PHED Lab) Certified that the Shri Agralan Vidyalaya, 41 51 Sneh Nagar, Lotus showroom, 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.**

Chemist
District Water Testing Laboratory
P. H. E. D. Indore (M.P.)

Signature with Seal
Name- Virendra Singh Chirwar
Designation- Chemist

Assistant Engineer
Public Health Engineering Department
Sub.divisionn Indore

To,
Shri Agralan Vidyalaya,
41-51 Sneh Nagar, Sapna-Sangeeta
road, Near Lotus Showroom, Indore (M.P.)