

# PUBLIC HEALTH ENGINEERING DEPARTMENT

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

## ANALYSIS REPORT

Type of Sample :-

Particular of Sender :-

Particular of Sample

Collected / Not collected by Laboratory ☒

| Sample no. | Place of collection and details of sample | Date       |
|------------|-------------------------------------------|------------|
| 1          | Boring water sample, Shree Chaitnya       | 06/07/2026 |
| 2          | school, Indore                            |            |
| 3          |                                           |            |
| 4          |                                           |            |

particular to be filled in the laboratory

|                                 |                               |
|---------------------------------|-------------------------------|
| Date of Receipt:- 06/07/2026    | Time of Receipt:- 1:30 PM     |
| Lab Reference No. 21/07-07-2026 | Date of Analysis:- 07/07/2026 |

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

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

#### PHYSICAL TESTS

|   |              |       |           |           |           |  |  |  |
|---|--------------|-------|-----------|-----------|-----------|--|--|--|
| 1 | Temperature  | °C    | -         | -         | -         |  |  |  |
| 2 | Turbidity    | NTU   | 1.0       | 5.0       | 1.3       |  |  |  |
| 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 | 7.72  |  |  |  |
| 7  | Total Hardness as CaCO <sub>3</sub>   | Mg/l     | 200        | 600           | 120   |  |  |  |
| 8  | Calcium as Ca <sup>++</sup>           | Mg/l     | 75         | 200           | 32    |  |  |  |
| 9  | Magnisium as Mg <sup>++</sup>         | Mg/l     | 30         | 100           | 9.6   |  |  |  |
| 10 | Total Alkalinity as CaCO <sub>3</sub> | Mg/l     | 200        | 600           | 80    |  |  |  |
| 11 | Chloride as Cl                        | Mg/l     | 250        | 1000          | 30    |  |  |  |
| 12 | Nitrate as NO <sub>3</sub>            | Mg/l     | 45         | 45            | 14.15 |  |  |  |
| 13 | Total Dissolved Solids, (TDS)         | Mg/l     | 500        | 2000          | 230   |  |  |  |
| 14 | Iron as Fe                            | Mg/l     | 1.0        | 1.0           | 0.40  |  |  |  |
| 15 | Sulphate as So <sub>4</sub>           | Mg/l     | 200        | 400           | 4.96  |  |  |  |
| 16 | Fluoride as F <sup>-</sup>            | Mg/l     | 1.0        | 1.5           | 0.20  |  |  |  |
| 17 | Manganese as Mn                       | Mg/l     | 0.1        | 0.3           | 00    |  |  |  |
| 18 | Residual Chlorine as Cl <sub>2</sub>  | Mg/l     | 0.2        | 1.0           | -     |  |  |  |
| 19 | Arsenic as As                         | Mg/l     | 0.01       | 0.01          | -     |  |  |  |

#### BACTERIOLOGICAL TESTS

|    |                |            |     |    |  |  |  |
|----|----------------|------------|-----|----|--|--|--|
| 20 | Total Coliform | Per 100 ml | Nil | 00 |  |  |  |
| 21 | Fecal Coliform | Per 100 ml |     | 00 |  |  |  |

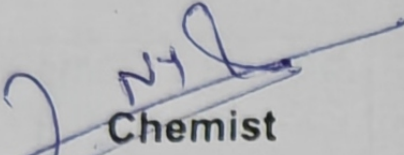
NOTES :- The figure indicated under the column "Requirment (Desirable Limit)" the limits unto which water generally acceptable to the consumers. Figures in excess of those mentioned under "Requirment (Desirable Limit)" the water not acceptable, but still may be tolerated in the absence of an alternative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

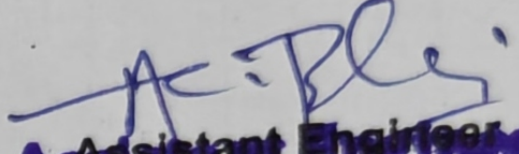
In All water intended for Drinking Water E.Coli or Thermo tolerant Coliform Bacteria must not be Detactable in any 100 ml sample.

Treated water entering in / in distribution system E.Coll or Thermo Tolerent Coliform bacteria and Total Coliform bacteria 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  
Bacterial water.

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

  
Assistant Engineer  
PHE Sub. Dn. Indore  
Public Health Engineering  
Distt. Indore (M.P.)  
Department S.A. Dn. Indore

NO.

845

/lab/ A.E/ Phe.sub.Division Indore Date

14/07/26

----- End Of Report -----