



# District Level Water Testing Laboratory, Hazaribagh

## Test Report

Test Report

|                                                                                                    |                      |                                 |                     |
|----------------------------------------------------------------------------------------------------|----------------------|---------------------------------|---------------------|
| Report No. :- 1209-HAZ-2026                                                                        |                      | Report Issue Date :- 22-08-2026 |                     |
| Discipline :- Chemical                                                                             | Group :- Water       | Sub – Group :- Drinking Water   |                     |
| Issued To :- MANSAROVAR PUBLIC SCHOOL,<br>At: Ghanghari, Barkatha, Hazaribagh,<br>Jharkhand-825405 |                      | SAMPLE CODE :- 3                |                     |
|                                                                                                    |                      |                                 |                     |
| Sample Description / Type                                                                          | G.W                  | Sample Collected by             | LAB REP             |
| Sample Location                                                                                    | FINAL OUTLET         | Sample Quantity/ Packing        | 2 L PVC Bottle      |
| Date of Sampling                                                                                   | 18.08.2026 14:35 HRS | Temperature                     | 25±2 <sup>0</sup> C |
| Date of Start of Analysis                                                                          | 19.08.2026           | Humidity                        | 25±15 % RH          |
| Date of Completion Analysis                                                                        | 21.08.2026           |                                 | N/A                 |

### Test Result

| Sl. NO. | Parameter                                  | Unit          | Result    | Method Reference                                                                    | Specification as per BIS – 10500:2012 (Second Revision)<br>Amendment – June 2015 |                                                                |
|---------|--------------------------------------------|---------------|-----------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------|
|         |                                            |               |           |                                                                                     | Acceptable Limit<br>(Max)                                                        | Permissible Limit<br>(In Absence of Alternate Source)<br>(Max) |
| (A)     | CHEMICAL PARAMETER                         |               |           |                                                                                     |                                                                                  |                                                                |
| 1.      | PH                                         | -             | 6.88      | APHA 23 <sup>rd</sup> Edition 2017-4500-H <sup>+</sup> B,<br>(Electrometric Method) | 6.5 – 8.5                                                                        | No Relaxation                                                  |
| 2.      | Turbidity                                  | NTU           | 1.2       | APHA 23 <sup>rd</sup> Edition 2017-2130-A,<br>(Nephelometric Method)                | 1                                                                                | 5                                                              |
| 3.      | Chloride (as Cl)                           | mg/L, Max     | 20        | APHA 23 <sup>rd</sup> Edition 2017-4500-B,<br>(Argentometric Method)                | 250                                                                              | 1000                                                           |
| 4.      | Total Hardness as CaCO <sub>3</sub>        | mg/L, Max     | 200       | APHA 23 <sup>rd</sup> Edition 2017-2340-C,<br>(EDTA Titrimetric Method)             | 200                                                                              | 600                                                            |
| 5.      | Total Alkalinity as CaCO <sub>3</sub>      | mg/L, Max     | 190       | APHA 23 <sup>rd</sup> Edition 2017-2320-C,<br>(Titration Method)                    | 200                                                                              | 600                                                            |
| 6.      | Calcium as Ca <sup>+</sup>                 | mg/L, Max     | 25.15     | APHA 23 <sup>rd</sup> Edition 2017-3500-Ca-B,<br>(EDTA Titrimetric Method)          | 75                                                                               | 200                                                            |
| 7.      | Magnesium as Mg <sup>+</sup>               | mg/L, Max     | 10.28     | APHA 23 <sup>rd</sup> Edition 2017-3500-Mg-B,<br>(EDTA Titrimetric Method)          | 30                                                                               | 100                                                            |
| 8.      | Fluoride as F                              | mg/L, Max     | 0.18      | APHA 23 <sup>rd</sup> Ed. 2017-4500 F C, (Ion<br>selective method)                  | 1.0                                                                              | 1.50                                                           |
| 9.      | Colour                                     | CU<br>(Hazen) | 2         | APHA 23 <sup>rd</sup> Edition (Visual<br>Comparison Method)                         | 5                                                                                | 15                                                             |
| 10.     | Odour                                      | --            | Agreeable | IS 3025 (Part – 5)                                                                  | Agreeable                                                                        | Agreeable                                                      |
| (B)     | BIOLOGICAL PARAMETERS                      |               |           |                                                                                     |                                                                                  |                                                                |
| 11.     | Total Coliform                             | CFU/100 mL    | NIL       | APHA 23 <sup>rd</sup> Ed. 2017-9222B<br>(Membrane Filter Technique)                 | Shall not be detectable in any 100 mL Sample                                     |                                                                |
| 12.     | Thermotolerant (Fecal)<br>Coliform/E. Coli | CFU/100 mL    | NIL       | APHA 23 <sup>rd</sup> Ed. 2017-9222D<br>(Membrane Filter Technique)                 | Shall not be detectable in any 100 mL Sample                                     |                                                                |

Remarks: - According to above parameters Water is fit for drinking Yes ( ) / No ( )

#### Specific contractual notes: -

- The results listed refer only to the tested sample and applicable parameter.
- This report shall not be reproduced except in full without approval of the laboratory.
- This report results apply to the sample as received.
- This report result relates only to the items tested.
- This report in full or in part, shall not be used for advertising or as evidence in any court of law.
- Tested sample shall be retained up to seven days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to the Hazaribagh Jurisdiction.
- NOTE:- BDL=Below Detection Limit.

Reviewed by

Authorized by

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अवर

*[Signature]*  
प्रमंडल पदाधिकारी  
स्वास्थ्य विभाग  
हजारिबाग

.....End of Reports.....

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