



TC-14060

**DISTRICT WATER TESTING LABORATORY,**  
OFFICE OF SENIOR GEOLOGIST,  
GROUNDWATER SURVEY & DEVELOPMENT AGENCY, WARDHA  
In MJP Premises, Sevagram Rly. Station Road,  
Wardha-442001  
Email ID-districtlabgsda@gmail.com

**WATER ANALYSIS REPORT**

Test Report No/DWTL/GSDA/Wardha/27/2025

Date: - 29/04/2025

| Parameters Under NABL Accreditation Scope |                  |                  |                                                          |             |
|-------------------------------------------|------------------|------------------|----------------------------------------------------------|-------------|
| Sr No                                     | Test Parameter   | Measurement Unit | Test Method                                              | Test Result |
|                                           |                  |                  |                                                          | S-1         |
| 5                                         | Colour           | CU               | APHA 24 <sup>TH</sup> EDN, METHOD 2120 C                 | 1.0         |
| 6                                         | Taste            | -                | IS 3025 (Part-8)                                         | Agreeable   |
| 7                                         | Odour            | -                | IS 3025 (Part-6)                                         | Agreeable   |
| 8                                         | Turbidity        | NTU              | APHA 24 <sup>TH</sup> EDN, METHOD 2130 B                 | 0.1         |
| 9                                         | Calcium          | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 3500 CaB               | 2           |
| 10                                        | Magnesium        | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 4500 Mg B              | 1           |
| 11                                        | Sulphate         | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 4500 SO <sub>4</sub> E | 1           |
| 12                                        | Total Alkalinity | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 2320 B                 | 160         |
| 13                                        | Chloride         | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 4500 CLB               | 20          |
| 14                                        | Fluoride         | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 4500 F D               | 0.08        |
| 15                                        | Nitrate          | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 4500 NO <sub>3</sub> B | 1           |
| 16                                        | Iron             | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 3500 FeB               | 0.01        |

**Remark-**

1. The results relate only to the samples tested.
2. The report shall not be reproduced except in full, without the written approval of the laboratory.
3. The Sample is collected by the client himself. The laboratory did not perform sample collection.
4. The customer may refer BIS standard given on page 3 to judge Water Quality based on parameter tested.

**Reviewed & Authorised by***Anup Nagdive***(Anup Nagdive)  
Chemist****DWTL, GSDA, Wardha**

----- End of Report -----

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**PRESIDENT  
AMBE DURGA EDUCATION SOCIETY  
NAGPUR****PRINCIPAL  
BALPANDE PUBLIC SCHOOL  
GIRAD**



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|                                                                                      |                             |                                                      |                                                               |
|--------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------|---------------------------------------------------------------|
| <b>Issued To :</b>                                                                   |                             | Sample Inward No :106/2025                           | Analysis Start: 28/04/2025                                    |
| Principal<br>Balpande Public School<br>Girad<br>Tal- Samudrapur<br>District - Wardha |                             | Inward Date : 28/04/2025                             | Analysis End: 29/04/2025                                      |
|                                                                                      |                             | Reference Letter :-<br>Date: 28/04/2025              | Sample Category : Water                                       |
| Sample<br>WATER                                                                      | Sample Source :<br>RO Water | Condition of Sample - Ok                             | Quantity Received:<br>1 Liter                                 |
| Sample Collected By :<br>Applicant                                                   |                             | Sampling Date: 28/04/2025<br>Sampling Time : 9.15 AM | Environmental Condition<br><br>Temp. °C -24<br>Humidity – 56% |

**Sample Details**

| Sr No. | Sample Code | Lab Ref. Number        | Village | Taluka     | District | Source    | Source Location |
|--------|-------------|------------------------|---------|------------|----------|-----------|-----------------|
| 1      | S-1         | DWTL/WR/CHEM/6/04/2025 | Girad   | Samudrapur | Wardha   | R.O Water | School Premises |

**Parameters Under NABL Accreditation Scope**

| Sr No | Test Parameter          | Measurement Unit | Test Method                              | Test Result |
|-------|-------------------------|------------------|------------------------------------------|-------------|
| 1     | pH                      | -                | APHA 24 <sup>TH</sup> EDN, METHOD 4500   | <b>S-1</b>  |
| 2     | Electrical conductivity | μ/cm             | APHA 24 <sup>TH</sup> EDN, METHOD 2510   | 7.31        |
| 3     | Total dissolved solid   | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 2540 C | 205         |
| 4     | Total hardness          | mg/l             | APHA 24 <sup>TH</sup> EDN, METHOD 2340 C | 156         |
|       |                         |                  |                                          | 80          |

Reviewed &amp; Authorised by

*Anup Nagdive*  
(Anup Nagdive)  
Chemist

DWTL, GSDA, Wardha

*[Signature]*  
PRESIDENT  
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**BIS DRINKING WATER STANDARD**  
**(10500 :2012)**

| Sr.No. | Characteristics                             | Acceptable Limit | Permissible Limit in absence of Alternate Source |
|--------|---------------------------------------------|------------------|--------------------------------------------------|
| 1      | Colour, Hazen Unit                          | 5                | 15                                               |
| 2      | Odour                                       | Agreeable        | Agreeable                                        |
| 3      | pH                                          | 6.5 -8.5         | No relaxation                                    |
| 4      | Turbidity, NTU                              | 1                | 5                                                |
| 5      | TDS mg/l                                    | 500              | 2000                                             |
| 6      | Fluoride mg/l                               | 1                | 1.5                                              |
| 7      | Chloride mg/l                               | 250              | 1000                                             |
| 8      | Iron mg/l                                   | 1.0              | No relaxation                                    |
| 9      | Nitrate mg/l                                | 45               | No relaxation                                    |
| 10     | Sulphate mg/l                               | 200              | 400                                              |
| 11     | Total Alkalinity(as CaCO <sub>3</sub> )mg/l | 200              | 600                                              |
| 12     | Total Hardness (as CaCO <sub>3</sub> )mg/l  | 200              | 600                                              |
| 13     | Ca mg/l                                     | 75               | 200                                              |
| 14     | Mg mg/l                                     | 30               | 100                                              |

  
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 NAGPUR

  
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