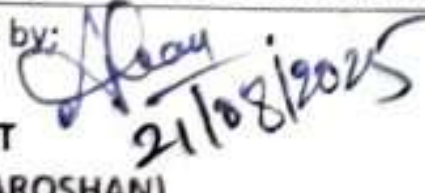




# RURAL DRINKING WATER & SANITATION SUBDIVISION AURAD SUB DIVISION WATER QUALITY CHEMICAL TESTING LABORATORY, RDWSD

Aurad(B), BIDAR KARNATAKA-585326, INDIA

Email id: rdwsd.wqmshp.auradlab@gmail.com

| TEST REPORT                                                                                                                                                                                                                                                                                  |                                            |             |                                                                                                                  |                                                   |                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------|
| <b>To,</b><br><b>PRINCIPAL PATRI SWAMY INTERNATIONAL PUBLIC SCHOOL</b><br><b>HABITATION : AURAD(B)</b><br><b>PANCHYATH : PATAN PANCHAYATH AURAD(B)</b><br><b>TALUKA : AURAD(B)</b><br><b>DISTICT : BIDAR</b><br><br><b>SOURCE OF LOCATION : BW IN PATRISWAMY INTERNATIONAL PUBLIC SCHOOL</b> |                                            |             |                                                                                                                  | Report date: 21.08.2025                           |                                          |
|                                                                                                                                                                                                                                                                                              |                                            |             |                                                                                                                  | Report Number: 25AUR184                           |                                          |
|                                                                                                                                                                                                                                                                                              |                                            |             |                                                                                                                  | Reference: Departmental.                          |                                          |
|                                                                                                                                                                                                                                                                                              |                                            |             |                                                                                                                  | Sample receipt date: 20.08.2025                   |                                          |
|                                                                                                                                                                                                                                                                                              |                                            |             |                                                                                                                  | Sample code: AUR25AUG184                          |                                          |
|                                                                                                                                                                                                                                                                                              |                                            |             |                                                                                                                  | Date of Sample collection: 20.08.2025             |                                          |
|                                                                                                                                                                                                                                                                                              |                                            |             |                                                                                                                  | Analysis start date: 20.08.2025                   |                                          |
|                                                                                                                                                                                                                                                                                              |                                            |             |                                                                                                                  | Analysis completion date: 21.08.2025              |                                          |
| Sample Particulars : BW(BOREWELL)                                                                                                                                                                                                                                                            |                                            |             |                                                                                                                  | Sample collection protocol: APHA 23 <sup>rd</sup> |                                          |
|                                                                                                                                                                                                                                                                                              |                                            |             |                                                                                                                  | Sample quantity: 1 Ltr                            |                                          |
| Sl.No                                                                                                                                                                                                                                                                                        | Test                                       | Results     | Acceptable Limit IS 10500 : 2012 RA:2018                                                                         | Permissible Limit IS 10500 : 2012 RA:2018         | Protocol                                 |
| Description : Clear colorless liquid                                                                                                                                                                                                                                                         |                                            |             |                                                                                                                  |                                                   |                                          |
| 1.                                                                                                                                                                                                                                                                                           | pH Value @25°C                             | 7.62@25.2°C | 6.5 – 8.5                                                                                                        | No relaxation                                     | IS 3025 (Part-11) : 2022                 |
| 2.                                                                                                                                                                                                                                                                                           | Specific Conductance, µS/cm@ Temp°C        | 792@25.2°C  | –                                                                                                                | –                                                 | IS 3025 (Part-14) : 2013 RA:2019         |
| 3.                                                                                                                                                                                                                                                                                           | Odour                                      | Agreeable   | Agreeable                                                                                                        | Agreeable                                         | IS 3025 (Part-5 & 6):2018                |
| 4.                                                                                                                                                                                                                                                                                           | Colour, Hazen Units                        | 5           | 5                                                                                                                | 15                                                | IS 3025 (Part-4) :2021                   |
| 5.                                                                                                                                                                                                                                                                                           | Turbidity, NTU                             | 0.4         | 1                                                                                                                | 5                                                 | IS 3025 (Part-10) : 2023                 |
| 6.                                                                                                                                                                                                                                                                                           | Total Dissolved Solids@ 180°C, mg/l        | 490         | 500                                                                                                              | 2000                                              | IS 3025 (Part-16) : 2023                 |
| 7.                                                                                                                                                                                                                                                                                           | Alkalinity as CaCO <sub>3</sub> , mg/l     | 164.82      | 200                                                                                                              | 600                                               | IS 3025 (Part-23) : 2023                 |
| 8.                                                                                                                                                                                                                                                                                           | Total Hardness as CaCO <sub>3</sub> , mg/l | 196.03      | 200                                                                                                              | 600                                               | IS 3025 (Part-21) : 2003 RA:2019         |
| 9.                                                                                                                                                                                                                                                                                           | Calcium as Ca, mg/l                        | 37.23       | 75                                                                                                               | 200                                               | IS 3025 (Part-40) : 1991 RA:2019         |
| 10.                                                                                                                                                                                                                                                                                          | Magnesium as Mg, mg/l                      | 24.54       | 30                                                                                                               | 100                                               | IS 3025 (Part-46) : 2023                 |
| 11.                                                                                                                                                                                                                                                                                          | Chloride as Cl, mg/l                       | 105.97      | 250                                                                                                              | 1000                                              | IS 3025 (Part-32) : 1988 RA:2019         |
| 12.                                                                                                                                                                                                                                                                                          | Sulphate as SO <sub>4</sub> , mg/l         | 57.88       | 200                                                                                                              | 400                                               | IS 3025 (Part-24) : 2022                 |
| 13.                                                                                                                                                                                                                                                                                          | Fluoride as F, mg/l                        | 0.44        | 1                                                                                                                | 1.5                                               | APHA 23 <sup>rd</sup> Edition 4500 F-D   |
| 14.                                                                                                                                                                                                                                                                                          | Nitrate as NO <sub>3</sub> , mg/l          | 29.92       | 45                                                                                                               | No relaxation                                     | APHA 23 <sup>rd</sup> Edition 4500 NO3-B |
| 15.                                                                                                                                                                                                                                                                                          | Iron as Fe, mg/l                           | 0.11        | 1                                                                                                                | No relaxation                                     | IS 3025 (Part-53) : 2003 RA:2019         |
| Remarks : The Given Sample Conforms to the Acceptable limit of IS 10500: 2012 RA: 2018 ,Drinking Water Specifications for Above tested Physical and Chemical Parameters ..                                                                                                                   |                                            |             |                                                                                                                  |                                                   |                                          |
| Analyzed by: <br>ANALYST<br>(ASHWAROSHAN)                                                                                                                                                                 |                                            |             | Authorized Signatory:<br><br>Assistant executive engineer<br>RDWS&SD SUB DIVISION AURAD(B)<br>RDWSD/WQMSP/TeR/01 |                                                   |                                          |

**Note:**

- The above results relate only to the sample tested.
- The report shall not be reproduced except in full without the prior approval of the Quality Manager.
- Traceability: Traceability of measurements is established using CRMs traceable to National/International standards.
- Samples will be discarded after 15 days from the date of report generation.
- Decision rule is applicable as per the procedure mentioned in RDWSD/WQMSP/DR-
- The Sample collected and submitted by the PRINCIPAL.

\*\*\*\*\*End of the Rerort\*\*\*\*\*

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