



RURAL DRINKING WATER & SANITATION DEPARTMENT, GoK

District Water Quality Testing Laboratory Ballari

O/o Executive Engineer, Rural Drinking water supply & sanitation Division

Zilla Panchayath Premesis, Fort area, Ballari

e-mail: eerdwsd.bly@gmail.com

TEST REPORT

To,
L Madhavi Latha
Samskrithi English Medium Higher Primary
School B Gonal, Rupanagudi Road
Ballari

Report date: 25-09-2025
Report Number: RDWSBLY/01652/2025-26
Reference: Sample Submitted by Customer
Sample receipt date: 25-09-2025
Sample code: BLY/25/SEP/01652
Date of Sample collection: 25-09-2025
Analysis start date: 25-09-2025
Analysis completion date: 25-09-2025
Sample collection protocol: RDWSD/WQMSP/SOP/23

Sample Particulars:-Drinking water

Sample quantity: 1 Ltr

| Sl.No | Test | Results | Acceptable Limit IS 10500 : 2012 | Permissible Limit IS 10500 : 2012 | Protocol |
|--------------|---|-----------|----------------------------------|-----------------------------------|--|
| Description: | | | | | |
| 1. | pH Value @Temp 25°C | 7.41 | 6.5 – 8.5 | No relaxation | IS 3025 (Part-11) : 2022 |
| 2. | Specific Conductance, $\mu\text{S}/\text{cm}$ @ Temp 25°C | 160 | – | – | IS 3025 (Part-14) : 2013 |
| 3. | Odour | Agreeable | Agreeable | Agreeable | IS 3025 (Part-5 & 6):2018 |
| 4. | Taste | Agreeable | Agreeable | Agreeable | IS 3025 (Part-8):2023 |
| 5. | Colour, Hazen Units | 5 | 5 | 15 | IS 3025 (Part-4) :2021 |
| 6. | Turbidity, NTU | BDL | 1 | 5 | IS 3025 (Part-10) : 2023 |
| 7. | Total Dissolved Solids@ 180°C, mg/l | 86 | 500 | 2000 | IS 3025 (Part-16) : 2023 |
| 8. | Alkalinity as CaCO_3 , mg/l | 20 | 200 | 600 | IS 3025 (Part-23) : 2023 |
| 9. | Total Hardness as CaCO_3 , mg/l | 20.01 | 200 | 600 | IS 3025 (Part-21) : 2009 |
| 10. | Calcium as Ca, mg/l | 3.20 | 75 | 200 | IS 3025 (Part-40) : 2024 |
| 11. | Magnesium as Mg, mg/l | 2.91 | 30 | 100 | IS 3025 (Part-46) : 2023 |
| 12. | Chloride as Cl, mg/l | 11.9 | 250 | 1000 | IS 3025 (Part-32) : 1988 |
| 13. | Sulphate as SO_4 , mg/l | 1.06 | 200 | 400 | IS 3025 (Part-24) : 2022 |
| 14. | Fluoride as F, mg/l | 0.10 | 1 | 1.5 | APHA 24 th Edition:4500F-D |
| 15. | Nitrate as NO_3 , mg/l | 0.50 | 45 | No relaxation | APHA 24 th Edition:4500NO ₃ -B |
| 16. | Iron as Fe, mg/l | BDL | 1 | No relaxation | IS 3025 (Part-53) : 2024 Method A |

Remark: The above tested sample meet the permissible limit as per IS 10500:2012 RA 2018 Drinking water specification hence the source of sample shall be used for drinking purpose.

Analysed by: *[Signature]*
Junior Analyst: Jadeppa M

Authorized Signatory: *[Signature]*
Technical Manager: Bheemaraja C T

Note: (BDL-Below Detective limit- for Fe,(<0.1mg/l) & Turbidity(<0.5 NTU)

RDWSD/WQMSP/TER/01

- 1) The sample drawn by the laboratory.
- 2) The report shall not be reproduced except in full without the prior approval of the Quality Laboratory Manager.
- 3) Traceability: Traceability of measurements is established using CRMs traceable to National/International standards.
- 4) Samples will be discarded after 15 days from the date of report generation.
- 5) Decision rule is applicable as per the procedure mentioned in RDWSD/WQMSP/DR-01.

*****END OF THE TEST REPORT*****

L. Madhavi Latha
PRINCIPAL

[Signature]

District Water Quality Testing Laboratory
RDWS&S Division BALLARI