



**GOVERNMENT OF KARNATAKA**  
**RURAL DRINKING WATER & SANITATION DEPARTMENT,**  
District Water Quality Testing Laboratory Vidyagiri 17th cross Near Hanuman  
Temple Garden Backside Bagalkot-587102  
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**TEST REPORT**

**The Principal**  
**Margadarshan Central School Tondihal Ilkal -**  
**587154**

Report date: 27-01-2025  
Report Number: 206  
Reference: Request Letter  
Sample receipt date: 24-01-2025  
Sample code: PVT25 JAN0206  
Date of Sample collection: 24-01-2025  
Temperature & Transport mode: 10C & Through Bag  
Analysis start date: 27-01-2025  
Analysis completion date: 27-01-2025  
Sample collection protocol: APHA Method


Sample Particulars: Drinking Water (RO)


Sample Condition: Good

Sample quantity: 1L

Sl.No	Test	Results	Acceptable Limit IS 10500 : 2012 RA:2018	Permissible Limit IS 10500 : 2012 RA:2018	Protocol
Description: Clear, Colourless, Odourless					
1	pH Value @Temp 25°C	6.56	6.5 – 8.5	No relaxation	IS 3025 (Part-11) : 2022
2	Specific Conductance, $\mu\text{S}/\text{cm}$ @Temp 25°C	50	—	—	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	0.0	1	5	IS 3025 (Part-10) : 2023
7	Total Dissolved Solids@ 180°C, mg/l	34	500	2000	IS 3025 (Part-16) : 2023
8	Alkalinity as $\text{CaCO}_3$ , mg/l	12	200	600	IS 3025 (Part-23) : 2023
9	Total Hardness as $\text{CaCO}_3$ , mg/l	16.01	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	1.94	30	100	IS 3025 (Part-46) : 2023
12	Chloride as Cl, mg/l	15.82	250	1000	IS 3025 (Part-32) : 1988
13	Sulphate as $\text{SO}_4$ , mg/l	1.86	200	400	IS 3025 (Part-24, Sec.1) : 2022, Method.a
14	Fluoride as F, mg/l	0.01	1	1.5	APHA 23 <sup>rd</sup> Edition
15	Nitrate as $\text{NO}_3$ , mg/l	1.40	45	No relaxation	APHA 23 <sup>rd</sup> Edition
16	Iron as Fe, mg/l	0.03	1	No relaxation	IS 3025 (Part-53) : 2024, Method.a

Remark: The above tested water sample conforms to the Acceptable Limits of IS 10500: 2012 Drinking Water Specification and suitable for Drinking with respect to above tested parameters only.

  
**Analysed by: Kamalakshi**  
Senior Analyst/Junior Analyst

  
**Authorized Signatory**  
**Technical Manager: Mrutyunjay**  
Date: 27-01-2025

**Note:**

- 1) The above results relate only to the sample tested.
- 2) The report shall not be reproduced except in full without the prior approval of the Quality 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.

*Attested*

  
**CHAIRMAN**

Margadarshan Education Trust

  
**PRINCIPAL**

MARGADARSHAN CENTRAL  
TONDIHAL-ILKAL-587154  
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