



# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

## DISTRICT WATER TESTING LABORATORY

Manjalneerkayal, Palayakayal - 628 152.

Thoothukudi Dist.

## TEST REPORT

From

R. Vinoth Kumar, B.Sc.,  
Junior Water Analyst (a/c), TWAD Board,  
District Water Testing Laboratory,  
Manjalneerkayal, Thoothukudi.

To

The Vikasa School,  
7/400-2 Sawyerpuram,  
Thoothukudi District.

Lr No 50177 - 50178 / F.Report/JWA/DWTL/MNKayal/2026-2027/ Dt.13.07.2026

Sir,

**Sub :** Examination of Water Sample report -furnished - reg.

**Ref :** 1. Your Lr.No. Nil Dt.13.07.2026

2. T.O Invoice No.1090/Dated 13.07.2026 for Rs.1652/-

The result of analysis for the water sample sent under reference is furnished below.

**Scheme :** Private

**Source :** Ro Water

**Location :** School Campus

Date of Collection : 13.07.2026

Date of Receipt : 13.07.2026

| BIS 10500 : 2012                               | Acceptable limit | Permissible limit in the absence of alternate source | Result     |
|------------------------------------------------|------------------|------------------------------------------------------|------------|
| <b>PHYSICAL EXAMINATION.</b>                   |                  |                                                      | 50177      |
| 1. Appearance                                  | -                | -                                                    | Clear      |
| 2. Colour (pt.co-scale)                        | 5                | 15                                                   | Colourless |
| 3. Odour                                       | Agreeable        | Agreeable                                            | None       |
| 4. Turbidity NT Units                          | 1                | 5                                                    | 0.0        |
| 5. Total dissolved Solids mg/L                 | 500              | 2000                                                 | 61         |
| 6. Electrical Conductivity Micro mho/cm        | -                | -                                                    | 91         |
| <b>II. CHEMICAL EXAMINATION:</b>               |                  |                                                      | -          |
| 7. pH                                          | 6.5-8.5          | 6.5-8.5                                              | 7.03       |
| 8. Ph. Alkalinity as CaCO <sub>3</sub> mg/L    | -                | -                                                    | -          |
| 9. Total Alkalinity. as CaCO <sub>3</sub> mg/L | 200              | 600                                                  | 14         |
| 10. Total Hardness as CaCO <sub>3</sub> mg/L   | 200              | 600                                                  | 10         |
| 11. Calcium as Ca mg/L                         | 75               | 200                                                  | 2          |
| 12. Magnesium as Mg mg/L                       | 30               | 100                                                  | 1          |
| 13. Sodium as Na mg/L                          | -                | -                                                    | 14         |
| 14. Potassium as K mg/L                        | -                | -                                                    | 3          |
| 15. Iron as Fe mg/L                            | 0.3              | 1.0                                                  | 0          |
| 16. Manganese mg/L                             | 0.1              | 0.3                                                  | 0          |
| 17. Free Ammonia as NH <sub>3</sub> mg/L       | 0.5              | 0.5                                                  | 0          |
| 18. Nitrite as NO <sub>2</sub> mg/L            | -                | -                                                    | 0          |
| 19. Nitrate as NO <sub>3</sub> mg/L            | 45               | 45                                                   | 3          |
| 20. Chloride as Cl mg/L                        | 250              | 1000                                                 | 18         |
| 21. Fluoride as F mg/L                         | 1.0              | 1.5                                                  | 0.0        |
| 22. Sulphate as SO <sub>4</sub> mg/L           | 200              | 400                                                  | 0          |
| 23. Phosphate as PO <sub>4</sub> mg/L          | -                | -                                                    | 0          |
| 24. Tidy's Test 4 hrs. as O <sub>2</sub> mg/L  | -                | -                                                    | 0.00       |
| 25. Residual Chlorine mg/L                     | 0.2              | 1                                                    | 0.00       |
| <b>III BACTERIOLOGICAL EXAMINATION :</b>       |                  |                                                      | B50178     |
| 1. Faecal coliforms per 100 ml                 | Nil/100 ml       | Nil/100 ml                                           | Nil        |

**Report : 50177:** The given water is chemically potable.

**B50178:** The given Water Sample is Bacteriologically Safe.

Junior Water Analyst (a/c),  
District Water Testing Laboratory,  
Manjalneerkayal, Thoothukudi.