



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

Seevalaperi road, Shanthi nagar, Palayamkottai, Tirunelveli-627002.

Phone: 0462-2914676

Email: jwadwltvl@gmail.com

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

| | | | | |
|------------------|-----------------------------------|---------------------|------------|--------------------|
| Report No: | TR/2025/ 00628-1 | Report Issue Date : | 18.12.2025 | Page No : 01 of 01 |
| Invoice Details: | 1152 /Dt.15.12.2025 Amt.Rs.1652/- | | | |

| | |
|--|--|
| Client Name & Address Contact No / Email.ID | : Correspondent, STACG Hi – Tech School, 4/253- 9, AC Nagar, Idaikal, Ambasamudram (TK), Tirunelveli- 627602. |
| Sample Name | : Water –Drinking water (RO) |
| Sample Number | : 00628-1 |
| Sample Description | : Clear, Colour less Liquid |
| Sample Submitted by | : Mr. P. Murugan. |
| Location & Date | : Inside the School Campus & 15.12.2025 |
| Quantity of sample Received | : 2 Litres |
| Sample Container | : Jerry Cane |
| Sample Condition on Receipt | : Good |
| Sample Received On | : 15.12.2025 |
| Test Commenced on | : 15.12.2025 |
| Test Completed on | : 18.12.2025 |

| S. No | Parameters | Unit | Test Method | Result | Specification as per IS 10500:2012(RA:2019) | |
|-------|--|------|--|--------|--|--|
| | | | | | Acceptable Limit | Permissible Limit in the absence of alternate source |
| 1 | pH @ 25 ^o C | - | IS 3025 Part 11-2022 | 7.17 | 6.5-8.5 | 6.5-8.5 |
| 2 | Total Hardness as CaCO ₃ | mg/L | IS 3025 Part 21-2009 | 9 | 200 | 600 |
| 3 | Total Alkalinity as CaCO ₃ | mg/L | IS 3025-Part 23 -2023 | 8 | 200 | 600 |
| 4 | Chloride as Cl | mg/L | IS 3025-Part 32-1988 | 7 | 250 | 1000 |
| 5 | Sulphate as SO ₄ | mg/L | IS 3025-Part 24—2022 Sec (1) - (Turbidity Method) | < 5 | 200 | 400 |
| 6 | Nitrate as NO ₃ | mg/L | APHA 24 th Edition 2023– 4500 –NO3 B | 6 | 45 | 45 |
| 7 | Fluoride as F | mg/L | APHA 24 th Edition 2023 – 4500- F-D | < 0.2 | 1.0 | 1.5 |


18/12/25
JUNIOR WATER ANALYST
D.W.T. LAB, TWAD BOARD,
T.T.K. CIRCLE, TIRUNELVELI

Note:

1. The test results relate only to the items tested.
2. The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
3. The test sample will be retained for 15 days.
4. The result applied to the sample as received basis.



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TEST REPORT

Doc.No: DWTL/FORM/7.8/01

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|------------------|----------------------------------|---------------------|------------|--------------------|
| Report No: | TR/2025/ 00628 -2 | Report Issue Date : | 18.12.2025 | Page No : 01 of 02 |
| Invoice Details: | 1152/Dt.15.12.2025 Amt.Rs.1652/- | | | |

Client Name & Address : Correspondent,
Contact No / Email.ID : STACG Hi – Tech School,
4/253- 9, AC Nagar, Idaikal, Ambasamudram (TK),
Tirunelveli- 627602.

| | |
|-----------------------------|---|
| Sample Name | : Water –Drinking water (RO) |
| Sample Number | : 00628-2 |
| Sample Description | : Clear, Colour less Liquid |
| Sample Submitted by | : Mr. P. Murugan. |
| Location & Date | : Inside the School Campus & 15.12.2025 |
| Quantity of sample Received | : 2 Litres |
| Sample Container | : Jerry Cane |
| Sample Condition on Receipt | : Good |
| Sample Received On | : 15.12.2025 |
| Test Commenced on | : 15.12.2025 |
| Test Completed on | : 18.12.2025 |

| S.No | Parameters | Test Method | Unit | Result | Specification as per IS 10500 : 2012 | |
|------|----------------------------|--|-------|-----------|--------------------------------------|--|
| | | | | | Acceptable Limit | Permissible Limit in the absence of alternate source |
| 1 | Appearance | Visual observation | -- | Clear | Clear | Clear |
| 2 | Odour | IS 3025 Part 5 : 1983 | -- | Agreeable | Agreeable | Agreeable |
| 3 | Turbidity | APHA 23rd Edition 2017 - 2130 B | NTU | 1 | 1 | 5 |
| 4 | Total Dissolved Solids | APHA 23rd Edition 2017 – 2540 C | mg/L | 97 | 500 | 2000 |
| 5 | Conductivity | APHA 23rd Edition 2017 – 2510 B | µS/cm | 143 | - | - |
| 6 | P - Alkalinity | IS 3025–Part 23-1983 | mg/L | NIL | - | - |
| 7 | Calcium as Ca | APHA 23rd Edition 2017 – 3500 Ca B | mg/L | 2 | 75 | 200 |
| 8 | Magnesium as Mg | APHA 23rd Edition 2017– 3500 Mg B | mg/L | <2 | 30 | 100 |
| 9 | Iron as Fe | APHA 23rd Edition 2017– 3500 Fe B | mg/L | <0.1 | 0.3 | 1 |
| 10 | Ammonia as NH ₃ | APHA 17th Edition-1989– 4500 NH ₃ C | mg/L | <0.05 | 0.5 | 0.5 |
| 11 | Nitrite as NO ₂ | APHA 23rd Edition 2017– 4500-NO ₂ B | mg/L | 0.01 | - | - |

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3. Unless informed by customer, the test items will not be retained for more than 15 days from the date of issue of the test report.
4. The result applied to the sample as received basis.



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DISTRICT WATER TESTING LABORATORY

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Phone: 0462-2914676

Email: jwadtvtvl@gmail.com

TEST REPORT

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| Report No: | TR/2025/ 00628 -2 | Report Issue Date : | 18.12.2025 | Page No : 01 of 02 |
| Invoice Details: | 1152/Dt.15.12.2025 Amt.Rs.1652/- | | | |

| S. No | Parameters | Test Method | Unit | Result | Specification as per IS 10500 : 2012 | |
|-----------------------------|------------------------------------|-------------------------------------|-----------|--------|--------------------------------------|--|
| | | | | | Acceptable Limit | Permissible Limit in the absence of alternate source |
| 12 | Total Phosphate as PO ₄ | APHA 23rd Edition 2017 – 4500 P- D | mg/L | < 0.02 | - | - |
| 13 | Tidys 4 hr. test | APHA 23rd Edition 2017 – 4500 O - B | mg/L | 0.24 | - | - |
| 14 | Residual Chlorine | IS/APHA | mg/L | 0 | 0.2 | 1.0 |
| BACTERIOLOGICAL EXAMINATION | | | | | | |
| 15 | Fecal Coliform | IS/APHA | CFU/100ML | 0 | 0 | 0 |

Result: The given water sample is chemically potable and bacteriologically safe.

.....End of the report.....

[Signature]
18/12/25

JUNIOR WATER ANALYST
D.W.T. LAB, TWAD BOARD,
T.T.K. CIRCLE, TIRUNELVELI.

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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

Water Analysis Laboratory, TIRUNELVELI. 0462-2914676

INVOICE No. 1152

Date: 15/12/25

To. Correspondent

STACG HI-TECH SCHOOL

A/253 9, AC Nagar Idaikal-627602 Amba Samudram (TK)

Your Ref. No. Nil dt: 15/12/25

Our Ref. No. 00628 Lab./TLY/2025

Dated: 15/12/25

| Sl.No. | Description | No. of Samples | Rate | Amount |
|--------|-------------------------------------|----------------|-------|-------------|
| | Towards Analysis Charges for | | | |
| 1 | Physical & Chemical ✓ | 1 NO | 1000 | 1000 |
| 2 | Bacteriological ✓ | 1 NO | 400 | 400 |
| 3 | Construction | GST | (18%) | 252 |
| 4 | Partial Tests | | | <u>1652</u> |
| 5 | Bleaching Powder | | | |

D.D.No. 789249 Date 11.12.25 Rs. 1652/-

Name of Bank City Union Bank, Alangulam.

(Rupees One Thousand Six Hundred and Fifty Two only)

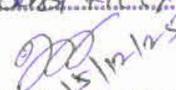
Adjusted

1. J.L.No. :

2. Book No. :

3. R.No. :

4. Date :


JUNIOR WATER ANALYST
D.W.T.LAB, TWAD BOARD,
T.T.K.CIRCLE, TIRUNELVELI.

The Charges for Examination of samples should be paid by Demand Draft drawn in favour of Administrative Officer, TWAD, T.T.K. Circle, Tirunelveli and payable at Tirunelveli.

Executive Engineer, Urban Division.