

GOVERNMENT OF TRIPURA
SUB-DIVISION LEVEL WATER TESTING LABORATORY
Drinking Water & Sanitation Sub-Division, Kailashahar, Unakoti, Tripura

Dated, Kls, the 5th March, 2026.

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| Ref. No. | |
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REPORT ON CHEMICAL & BIOLOGICAL ANALYSIS OF WATER SAMPLE

Source of Sample : Water Sample of Bhagini Nivedita H.S. School, Kailashahar, Unakoti, Tripura.

Sample Id : SDLWTL/KLS/Mar-26/01

Date of Collection : 27.02.2026.

Date of Received : 27.02.2026.

Date of Testing : 05.03.2026.

| Sl. No | Name of Item | Permissible Limit (BIS 10500:2012) | Method of Testing | Result |
|--------|-------------------------------------------------|------------------------------------|------------------------------------------------------|-----------------|
| 1. | Colour | 5 Hazen | APHA 24 th Edition 2120 B | -- |
| 2. | Turbidity | 5.0 NTU | APHA 24 th Edition 2130 B | 3.2 NTU |
| 3. | Odour | Unobjectionable | IS : 3025 (Part 5) - 1983 | Unobjectionable |
| 4. | P.H. | 6.5 – 8.5 | APHA 24 th Edition 4500-H ⁺ B | 8.01 |
| 5. | Total Alkalinity | 600 mg/L | APHA 24 th Edition 2320 B | 150 mg/L |
| 6. | Total Hardness as CaCO ₃ | 600 mg/L | APHA 24 th Edition 2340 C | 54 mg/L |
| 7. | Phenolphthaline Alkalinity as CaCO ₃ | -- | APHA 24 th Edition 2320 B | Nil |
| 8. | Calcium as Ca. | 200 mg/L | APHA 24 th Edition 3500-Ca B | 11.21 mg/L |
| 9. | Magnesium as Mg. | 100 mg/L | APHA 24 th Edition 3500-Mg B | 6.31 mg/L |
| 10. | Total Dissolved Solid | 2000 mg/L | APHA 24 th Edition 2540 C | 121 mg/L |
| 11. | Chloride as Cl. | 1000 mg/L | APHA 24 th Edition 4500-Cl ⁻ B | 14.47 mg/L |
| 12. | Total Iron as Fe. | 1.0 mg/L | APHA 24 th Edition 3500-Fe- B | 0.373 mg/L |
| 13. | Residual Chlorine | 0.2 mg/L | APHA 24 th Edition 4500-Cl ⁻ B | Nil |
| 14. | Total Coliform | 00 | IS 1622: 1981, Reaff.2003 | Nil |
| 15. | Fecal Coliform | 00 | IS 1622: 1981, Reaff.2003 | Nil |

(Shibapada Datta)

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