

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: JANUARY, 2014**

| Sl. No. | PARAMETER | RESULT | | | | | |
|---------|---|--|--|---|---|---|--|
| | | STATION CODE: 2050 Tlawng Upper Stream | STATION CODE: 2051 Tlawng Lower Stream | STATION CODE: 2052 Tuirial Upper Stream | STATION CODE: 2053 Tuirial Lower Stream | STATION CODE: 2054 Ramhlun North | STATION CODE: 2055 Mission Vengthlang |
| 1 | Weather | Clear | Clear | Clear | Clear | Clear | Clear |
| 2 | Depth of water body | 1.5 meter | 1.2 meter | 0.3 meter | 0.5 meter | 0.5 meter | 1.2 meter |
| 3 | Colour | Colourless | Colourless | Colourless | Colourless | Colourless | pale yellow |
| 4 | Odour | Odourless | Odourless | Odourless | Odourless | Odourless | Odourless |
| 5 | Velocity of Flow | 0.5 m/s | 0.5 m/s | 0.8 m/s | 0.9 m/s | N/A | N/A |
| 6 | Water Temperature | 18°C | 18°C | 16°C | 16°C | 13°C | 14°C |
| 7 | Dissolved Oxygen | 7.8 mg/L | 8.2 mg/L | 7.6 mg/L | 8.0 mg/L | 7.9 mg/L | 2.8 mg/L |
| 8 | Major polluting sources | Agriculture | Agriculture | Agriculture | Agriculture | Domestic | Domestic |
| 9 | Used of water at or in down stream of monitoring stations | Used as public water supply | Water treatment plant located near the station | - | - | Washing | Washing |

CORE PARAMETERS

| | | | | | | | |
|----|--|------------|------------|------------|-----------|------------|------------|
| 10 | pH | 7.36 | 7.74 | 6.83 | 6.91 | 7.26 | 6.62 |
| 11 | Conductivity | 122 us/cm | 142 us/cm | 194 us/cm | 189 us/cm | 134 us/cm | 743 us/cm |
| 12 | Biochemical Oxygen Demand | 1.4 mg/L | 1.7 mg/L | 1.5 mg/L | 1.3 mg/L | 1.4 mg/L | 1.1 mg/L |
| 13 | Nitrogen- Nitrite (N-NO ₂) | 0.468 mg/L | 0.148 mg/L | 0.204 mg/L | 1.52 mg/L | 0.144 mg/L | 0.152 mg/L |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|---|------------|------------|------------|------------|------------|------------|
| 16 | Turbidity | 0.0 NTU | 0.0 NTU | 0 NTU | 0 NTU | 0 NTU | 0 NTU |
| 17 | Carbonate as CaCO ₃ (Alkalinity) | 56.1 mg/L | 68 mg/L | 62.9 mg/L | 68 mg/L | 54.4 mg/L | 178.5 mg/L |
| 18 | Chloride | 15.9 mg/L | 11.3 mg/L | 11.3 mg/L | 15.1 mg/L | 7.5 mg/L | 55.3 mg/L |
| 19 | Nitrogen Ammonia (N-NH ₃) | 0.590 mg/L | 0.399 mg/L | 1.729 mg/L | 0.661 mg/L | 3.002 mg/L | 5.362 mg/L |
| 20 | Total hardness as CaCO ₃ | 50 mg/L | 46 mg/L | 56 mg/L | 70 mg/L | 42 mg/L | 160 mg/L |
| 21 | Calcium | 10.4 mg/L | 9.6 mg/L | 12 mg/L | 17.6 mg/L | 9.6 mg/L | 51.2 mg/L |
| 22 | Magnesium | 5.7 mg/L | 5.2 mg/L | 6.2 mg/L | 6.2 mg/L | 4.3 mg/L | 7.6 mg/L |
| 23 | Sodium | NA | NA | NA | NA | NA | NA |
| 24 | Total Dissolved Solids | 130 mg/L | 180 mg/L | 150 mg/L | 190 mg/L | 110 mg/L | 120 mg/L |
| 25 | Total Suspended Solids | 70 mg/L | 90 mg/L | 70 mg/L | 90 mg/L | 60 mg/L | 50 mg/L |
| 26 | Phosphate, PO ₄ ³⁻ | 0.100 mg/L | 0.086 mg/L | 1.158 mg/L | 1.100 mg/L | 1.156 mg/L | 0.120 mg/L |