

Water Quality Data Monitored by Mizoram State Pollution Control Board
September, 2011

| Sl. No. | PARAMETER | RESULT | | | | | |
|---------|--|--|--|---|---|---|---|
| | | STATION CODE: 2050 River Tlawng, Upstream | STATION CODE: 2051 River Tlawng, Downstream | STATION CODE: 2052 River Tuirial, Uppercatchment | STATION CODE: 2053 River Tuirial, Lowercatchment | STATION CODE: 2054 Ramhlun North Tuikhur (Spring Water) | STATION CODE: 2055 Mission Vengthlang Tuikhur (Spring Water) |
| 1 | Velocity of Flow | 0.5 m/s | 0.5 m/s | 0.8 m/s | 0.9 m/s | N/A | N/A |
| 2 | Water Temperature | 26°C | 26°C | 26°C | 26°C | 23°C | 22°C |
| 3 | Dissolved Oxygen | 9.3 mg/L | 8.9 mg/L | 5.9 mg/L | 5.9 mg/L | 4.9 mg/L | 3.4 mg/L |
| 4 | pH | 7.02 | 7.05 | 6.9 | 7.03 | 7.51 | 7.1 |
| 5 | Conductivity | 297 µs/cm | 235 µs/cm | 274 µs/cm | 310 µs/cm | 351 µs/cm | 279 µs/cm |
| 6 | BOD | 0.4 mg/L | 0.3 mg/L | 0.3 mg/L | 0.5 mg/L | 1.3 mg/L | 2.1 mg/L |
| 7 | Nitrogen-Nitrite (N-NO ₂) | 0.106 mg/L | 0.104 mg/L | 0.113 mg/L | 0.109 mg/L | 0.111 mg/L | 0.115 mg/L |
| 8 | Total Coliform | 12 MPN | 15 MPN | 34 MPN | 20 MPN | 95 MPN | 150 MPN |
| 9 | Faecal Coliform | 3 MPN | 6 MPN | 7 MPN | 12 MPN | 27 MPN | 39 MPN |
| 10 | Turbidity | 8 NTU | 10 NTU | 11 NTU | 2 NTU | 0 NTU | 0 NTU |
| 11 | Carbonate as CaCO ₃ (Alkalinity) | 60.7 mg/L | 68.6 mg/L | 49 mg/L | 52.9 mg/L | 29.4 mg/L | 98 mg/L |
| 12 | Chloride | 23.4 mg/L | 28.5 mg/L | 13.2 mg/L | 10.2 mg/L | 11.2 mg/L | 61.2 mg/L |
| 13 | Nitrogen Ammonia (N-NH ₃) | 1.193 mg/L | 1.204 mg/L | 1.136 mg/L | 1.105 mg/L | 1.197 mg/L | 1.166 mg/L |
| 14 | Total hardness as CaCO ₃ | 18 mg/L | 22 mg/L | 16 mg/L | 26 mg/L | 62 mg/L | 20 mg/L |
| 15 | Calcium | 4 mg/L | 4.8 mg/L | 4 mg/L | 5.6 mg/L | 10.4 mg/L | 4 mg/L |
| 16 | Magnesium | 1.9 mg/L | 2.4 mg/L | 1.4 mg/L | 2.8 mg/L | 8.6 mg/L | 2.4 mg/L |
| 17 | TDS | 150 mg/L | 130 mg/L | 130 mg/L | 90 mg/L | 90 mg/L | 60 mg/L |
| 18 | TSS | 110 mg/L | 40 mg/L | 70 mg/L | 100 mg/L | 20 mg/L | 20 mg/L |
| 19 | Phosphate, PO ₄ ³⁻ | 0.358 mg/L | 0.342 mg/L | 0.421 mg/L | 0.414 mg/L | 0.437 mg/L | 0.468 mg/L |
| 20 | Sodium | 19.5 mg/L | 15 mg/L | 35 mg/L | 36 mg/L | 58 mg/L | 63.5 mg/L |