

**Water Quality Data Monitored by Mizoram State Pollution Control Board**  
**September - November, 2007**

| SI. No. | PARAMETER                                | RESULT   |  |   |   |   |   |
|---------|--|--|--|---|---|---|---|
|         |  | STATION CODE:<br>2050<br>River Tlawng,<br>Upstream | STATION CODE:<br>2051<br>River Tlawng,<br>Downstream | STATION CODE:<br>2052<br>River Tuirial,<br>Uppercatchment | STATION CODE:<br>2053<br>River Tuirial,<br>Lowercatchment | STATION CODE:<br>2054<br>Ramhlun North Tuikhur<br>( Spring Water) | STATION CODE:<br>2055<br>Mission Vengthlang<br>Tuikhur (Spring Water) |
| 1       | Temperature                              | 24.0°C   | 24.0°C   | 21.9°C  | 21.8°C  | 23.0°C  | 20°C  |
| 2       | pH                                       | 8  | 8.1  | 8.1   | 8.1   | 6.3   | 6.9   |
| 3       | Conductivity                             | 149 µS/cm  | 250 µS/cm  | 230 µS/cm   | 253 µS/cm   | 318 µS/cm   | 625 µS/cm   |
| 4       | Velocity of Flow                         | 2.0 m/s  | 2.0 m/s  | 1.7 m/s   | 1.5 m/s   | 0.00 N/A  | N/A   |
| 5       | Turbidity                                | 0.01 NTU   | 0.00 NTU   | 0.03 NTU  | 0.04 NTU  | NTU   | 0.00 NTU  |
| 6       | Dissolved Oxygen                         | 4.2 mg/l   | 5.5 mg/l   | 5.9 mg/l  | 6.7 mg/l  | 8.4 mg/l  | 3.6 mg/l  |
| 7       | BOD                                      | 0.3 mg/l   | 1.1 mg/l   | 0.5 mg/l  | 0.2 mg/l  | 0.3 mg/l  | 0.5 mg/l  |
| 8       | Chloride                                 | 15.3 mg/l  | 15.3 mg/l  | 17.9 mg/l   | 19.2 mg/l   | 62.8 mg/l   | 69.2 mg/l   |
| 9       | Total hardness as CaCO <sub>3</sub>      | 60.0 mg/l  | 42.0 mg/l  | 58.0 mg/l   | 66.0 mg/l   | 38.0 mg/l   | 150.0 mg/l  |
| 10      | Calcium                                  | 13.6 mg/l  | 12.0 mg/l  | 11.2 mg/l   | 8.8 mg/l  | 12.0 mg/l   | 47.2 mg/l   |
| 11      | Magnesium                                | 6.2 mg/l   | 3.0 mg/l   | 7.2 mg/l  | 10.5 mg/l   | 2.0 mg/l  | 7.6 mg/l  |
| 12      | Alkalinity                               | 26.4 mg/l  | 44.0 mg/l  | 70.8 mg/l   | 59.7 mg/l   | 36.1 mg/l   | 68.1 mg/l   |
| 13      | TDA                                      | 140 mg/l   | 187 mg/l   | 134 mg/l  | 136 mg/l  | 305 mg/l  | 230 mg/l  |
| 14      | TSS                                      | 120 mg/l   | 135 mg/l   | 108 mg/l  | 205 mg/l  | 143 mg/l  | 144 mg/l  |
| 15      | Total Coliform                           | 3.6 MPN  | 3.6 MPN  | Nil   | 15 MPN  | 7 MPN   | 3 MPN   |
| 16      | Phosphate, PO <sub>4</sub> <sup>3-</sup> | 0.345 mg/l   | 0.164 mg/l   | 0.219 mg/l  | 0.160 mg/l  | 0.530 mg/l  | 0.602 mg/l  |
| 17      | Nitrogen Ammonia (N-NH <sub>3</sub> )    | 0.178 mg/l   | 0.714 mg/l   | 1.733 mg/l  | 0.0144 mg/l   | 0.0277 mg/l   | 0.095 mg/l  |
| 18      | Nitrogen-Nitrite                         | 0.120 mg/l   | 0.2 mg/l   | 0.1 mg/l  | 0.1 mg/l  | 0.219 mg/l  | 0.193 mg/l  |