

**Water Quality Data Monitored by Mizoram State Pollution Control Board  
December 2006 - February 2007**

| Sl. 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<br>(Spring Water) |
| 1       | Temperature                            | 22.0°C   | 21.0°C   | 22.0°C  | 21.0 °C   | 19.0°C  | 19.0 °C  |
| 2       | pH                                     | 7.71   | 7.84   | 7.48  | 7.84  | 6.87  | 7.24   |
| 3       | Conductivity                           | 184 µS/cm  | 160 µS/cm  | 199µS/cm  | 210 µS/cm   | 436 µS/cm   | 740µS/cm   |
| 4       | Velocity of Flow                       | 1.9 m/s  | 2.0 m/s  | 1.5 m/s   | 2.2 m/s   | N/A   | N/A  |
| 5       | Dissolved Oxygen                       | 8.5 mg/l   | 7.0 mg/l   | 9.7 mg/l  | 8.8 mg/l  | 6.8 mg/l  | 3.7 mg/l   |
| 6       | Chloride                               | 13.6 mg/l  | 12.7 mg/l  | 19.9 mg/l   | 19.9 mg/l   | 98.9 mg/l   | 113 mg/l   |
| 7       | Total hardness as<br>CaCO <sub>3</sub> | 86.0 mg/l  | 72 mg/l  | 132 mg/l  | 84 mg/l   | 220.6 mg/l  | 224 mg/l   |
| 8       | Calcium                                | 18.4 mg/l  | 16.8 mg/l  | 24.8 mg/l   | 18.4 mg/l   | 28 mg/l   | 50.4 mg/l  |
| 9       | Magnesium                              | 9.6 mg/l   | 7.6 mg/l   | 16.8 mg/l   | 9.12 mg/l   | 36.1 mg/l   | 23.5 mg/l  |
| 10      | Alkalinity                             | 80.1 mg/l  | 79.8 mg/l  | 122.3 mg/l  | 87.7 mg/l   | 53.5 mg/l   | 126.3 mg/l   |
| 11      | TDS                                    | 115 mg/l   | 120 mg/l   | 125 mg/l  | 163 mg/l  | 265 mg/l  | 411 mg/l   |
| 12      | TSS                                    | 108 mg/l   | 118 mg/l   | 120 mg/l  | 145 mg/l  | 220 mg/l  | 337 mg/l   |
| 13      | BOD                                    | 0.13 mg/l  | 0.27 mg/l  | 0.46 mg/l   | 0.68 mg/l   | 0.97 mg/l   | 0.95 mg/l  |