

**Water Quality Data Monitored by Mizoram State Pollution Control Board
January - March, 2009**

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	1.2 m/s	1.7 m/s	0.3 m/s	0.5 m/s	N/A	N/A
2	Water Temperature	20.0°C	22 °C	21 °C	22 °C	21 °C	21 °C
3	Dissolved Oxygen	8.4 mg/l	8.2 mg/l	7.0 mg/l	6.8 mg/l	6.2 mg/l	3.9 mg/l
4	pH	8	8.5	8.2	8.4	6.3	6.8
5	Conductivity	169 µs/cm	393 µs/cm	218 µs/cm	220 µs/cm	434 µs/cm	813 µs/cm
6	BOD	0.9 mg/l	1.6 mg/l	1.1 mg/l	1.2 mg/l	2.0 mg/l	2.3 mg/l
7	Nitrogen-Nitrite (N-NO ₂)	0.162 mg/l	0.205 mg/l	0.133 mg/l	0.147 mg/l	0.187 mg/l	0.212 mg/l
8	Total Coliform	3 MPN	3 MPN	7 MPN	7.3 MPN	7 MPN	12 MPN
9	Alkalinity	78.3 mg/l	99.3 mg/l	80.2 mg/l	85.9 mg/l	26.7 mg/l	108.8 mg/l
10	Turbidity	0.00 NTU		0.0 NTU	0.0 NTU	0.00 NTU	0.00 NTU
11	Chloride	5.8 mg/l	0.00 NTU	14.6 mg/l	12.7 mg/l	64.5 mg/l	95.8 mg/l
12	Nitrogen Ammonia (N-NH ₃)	0.117 mg/l	55.7 mg/l	0.195 mg/l	0.129 mg/l	0.138 mg/l	0.141 mg/l
13	Total hardness as CaCO ₃	88 mg/l	112 mg/l	80 mg/l	82 mg/l	64 mg/l	182 mg/l
14	Calcium	16 mg/l	22.4 mg/l	16.0 mg/l	16 mg/l	12 mg/l	41.6 mg/l
15	Magnesium	11.5 mg/l	13.4 mg/l	9.6 mg/l	10 mg/l	7.6 mg/l	18.7 mg/l
16	TDS	110 mg/l	120 mg/l	140 mg/l	219 mg/l	390 mg/l	510 mg/l
17	TSS	60 mg/l	70 mg/l	60 mg/l	190 mg/l	190 mg/l	320 mg/l
18	Phosphate, PO ₄ ³⁻	0.020 mg/l	0.006 mg/l	0.035 mg/l	0.057 mg/l	0.090 mg/l	0.480 mg/l