

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

SI. 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	1.3 m/s	2 m/s	1.1 m/s	1.5 m/s	N/A	N/A
2	Water Temperature	24°C	23°C	20°C	21°C	19°C	18°C
3	Dissolved Oxygen	6.7 mg/L	6.9 mg/L	8.6 mg/L	7.2 mg/L	7.3 mg/L	4.7 mg/L
4	pH	7	6.8	7.1	7.2	6.1	6
5	Conductivity	183 µs/cm	200 µs/cm	196 µs/cm	198 µs/cm	197 µs/cm	140 µs/cm
6	BOD	1.0 mg/L	1.2 mg/L	1.2 mg/L	1.3 mg/L	2.5 mg/L	2.5 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.132 mg/L	0.124 mg/L	0.132 mg/L	0.126 mg/L	0.108 mg/L	0.108 mg/L
8	Total Coliform	10 MPN	21 MPN	16 MPN	34 MPN	21 MPN	44 MPN
9	Faecal Coliform	0.0 MPN	3 MPN	3 MPN	7.3 MPN	0.0 MPN	3 MPN
10	Turbidity	0.0 NTU	1 NTU	0.0 NTU	0.0 NTU	0.0 NTU	0.0 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	78.8 mg/L	70.9 mg/L	98.5 mg/L	98.5 mg/L	29.5 mg/L	197 mg/L
12	Chloride	10.2 mg/L	8.1 mg/L	20.4 mg/L	19.3 mg/L	66.3 mg/L	81.6 mg/L
13	Nitrogen Ammonia (N-NH ₃)	0.722 mg/L	0.592 mg/L	0.976 mg/L	1.128 mg/L	1.105 mg/L	1.143 mg/L
14	Total hardness as CaCO ₃	20 mg/L	30 mg/L	44 mg/L	48 mg/L	50 mg/L	34 mg/L
15	Calcium	4 mg/L	8.8 mg/L	16.0 mg/L	16.8 mg/L	18.4 mg/L	10.4 mg/L
16	Magnesium	2.4 mg/L	2.0 mg/L	1.0 mg/L	1.4 mg/L	1.0 mg/L	2.0 mg/L
17	TDS	120 mg/L	130 mg/L	190 mg/L	160 mg/L	160 mg/L	80 mg/L
18	TSS	50 mg/L	60 mg/L	70 mg/L	80 mg/L	30 mg/L	30 mg/L
19	Phosphate, PO ₄ ³⁻	0.229mg/L	0.324 mg/L	0.342 mg/L	0.304 mg/L	0.289 mg/L	0.286 mg/L
20	Sodium	20 mg/L	18 mg/L	24.5 mg/L	17.5 mg/L	26.5 mg/L	30 mg/L