

**Water Quality Data Monitored by Mizoram State Pollution Control Board
January, 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	0.8 m/s	1.2 m/s	0.5 m/s	0.6 m/s	N/A	N/A
2	Water Temperature	20°C	20°C	19°C	19°C	17°C	17°C
3	Dissolved Oxygen	6.6 mg/L	6.4 mg/L	6.4 mg/L	6.9 mg/L	8.2 mg/L	1.9 mg/L
4	pH	7.2	7	6.8	6.7	6.5	5.1
5	Conductivity	200 µs/cm	253 µs/cm	214 µs/cm	242 µs/cm	191 µs/cm	157 µs/cm
6	BOD	1.8 mg/L	1.6 mg/L	1.4 mg/L	1.7 mg/L	2.5 mg/L	1.7 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.100 mg/L	0.106 mg/L	0.108 mg/L	0.108 mg/L	0.113 mg/L	0.115 mg/L
8	Total Coliform	3 MPN	15 MPN	16 MPN	35 MPN	15 MPN	44 MPN
9	Faecal Coliform	0.0 MPN	0.0 MPN	0.0 MPN	3 MPN	7.3 MPN	7.2 MPN
10	Turbidity	3 NTU	7 NTU	6 NTU	5 NTU	2 NTU	2 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	109.2 mg/L	101.4 mg/L	29.2 mg/L	29.2 mg/L	21.4 mg/L	148.2 mg/L
12	Chloride	42.8 mg/L	47.9 mg/L	11.2 mg/L	12.2 mg/L	62.2 mg/L	91.8 mg/L
13	Nitrogen Ammonia (N-NH ₃)	0.729 mg/L	0.733 mg/L	0.984 mg/L	1.212 mg/L	1.109 mg/L	1.075 mg/L
14	Total hardness as CaCO ₃	38 mg/L	32 mg/L	76 mg/L	62 mg/L	70 mg/L	38 mg/L
15	Calcium	9.6 mg/L	8.0 mg/L	20 mg/L	12 mg/L	19.2 mg/L	8.8 mg/L
16	Magnesium	3.3 mg/L	2.8 mg/L	6.2 mg/L	7.6 mg/L	5.2 mg/L	3.8 mg/L
17	TDS	100 mg/L	80 mg/L	200 mg/L	70 mg/L	180 mg/L	90 mg/L
18	TSS	30 mg/L	30 mg/L	10 mg/L	10 mg/L	20 mg/L	20 mg/L
19	Phosphate, PO ₄ ³⁻	0.286mg/L	0.286 mg/L	0.286 mg/L	0.325 mg/L	0.393mg/L	0.351 mg/L
20	Sodium	23.5 mg/L	24.5 mg/L	36 mg/L	18.5 mg/L	46.5 mg/L	24.5 mg/L