

**Water Quality Data Monitored by Mizoram State Pollution Control Board
February, 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	1.1 m/s	1.7 m/s	0.8 m/s	0.9 m/s	N/A	N/A
2	Water Temperature	20°C	20°C	18°C	18°C	16°C	18°C
3	Dissolved Oxygen	9.2 mg/L	8.9 mg/L	5.6 mg/L	6.0 mg/L	6.1 mg/L	2.3 mg/L
4	pH	7.1	6.8	7.1	6.9	6.5	6.2
5	Conductivity	164 µs/cm	175 µs/cm	179 µs/cm	210 µs/cm	130 µs/cm	162 µs/cm
6	BOD	1.1 mg/L	1.7 mg/L	1.0 mg/L	1.3 mg/L	2.2 mg/L	1.9 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.104 mg/L	0.125 mg/L	0.130 mg/L	0.140 mg/L	0.140 mg/L	0.150 mg/L
8	Total Coliform	6 MPN	28 MPN	16 MPN	20 MPN	21 MPN	44 MPN
9	Faecal Coliform	0.0 MPN	3 MPN	7.3 MPN	7 MPN	7 MPN	7.2 MPN
10	Turbidity	2 NTU	5 NTU	4 NTU	3 NTU	1 NTU	1 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	76.8 mg/L	78.8 mg/L	94.5 mg/L	88.6 mg/L	29.5 mg/L	222.6 mg/L
12	Chloride	10.1 mg/L	11.1 mg/L	14.1 mg/L	16.2 mg/L	15.2 mg/L	103.4 mg/L
13	Nitrogen Ammonia (N-NH ₃)	0.532 mg/L	0.520 mg/L	0.798 mg/L	1.029 mg/L	1.938 mg/L	1.178 mg/L
14	Total hardness as CaCO ₃	20 mg/L	22 mg/L	42 mg/L	42 mg/L	22 mg/L	30 mg/L
15	Calcium	3.2 mg/L	4 mg/L	10.4 mg/L	9.6 mg/L	4 mg/L	7.2 mg/L
16	Magnesium	2.9 mg/L	2.9 mg/L	3.8 mg/L	4.3 mg/L	2.9 mg/L	2.9 mg/L
17	TDS	140 mg/L	90 mg/L	140 mg/L	160 mg/L	120 mg/L	80 mg/L
18	TSS	30 mg/L	60 mg/L	40 mg/L	10 mg/L	20 mg/L	10 mg/L
19	Phosphate, PO ₄ ³⁻	0.269mg/L	0.296 mg/L	0.353 mg/L	0.342 mg/L	0.365 mg/L	0.342 mg/L
20	Sodium	18.5 mg/L	27 mg/L	31.5 mg/L	21 mg/L	36.5 mg/L	36 mg/L