

**Water Quality Data Monitored by Mizoram State Pollution Control Board
April, 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	0.3 m/s	0.3 m/s	0.5 m/s	0.4 m/s	N/A	N/A
2	Water Temperature	22°C	23°C	24°C	24°C	22°C	20°C
3	Dissolved Oxygen	8.7 mg/L	8.9 mg/L	6.9 mg/L	7.0 mg/L	5.8 mg/L	3.2 mg/L
4	pH	6.8	6.9	7	7.2	6.7	6.9
5	Conductivity	338 µs/cm	339 µs/cm	308 µs/cm	359 µs/cm	101 µs/cm	356 µs/cm
6	BOD	1.1 mg/L	1.3 mg/L	1.2 mg/L	1.4 mg/L	2.1 mg/L	2.0 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.104 mg/L	0.109 mg/L	0.108 mg/L	0.115 mg/L	0.119 mg/L	0.104 mg/L
8	Total Coliform	15 MPN	20 MPN	14 MPN	26 MPN	27 MPN	29 MPN
9	Faecal Coliform	0.0 MPN	3 MPN	3 MPN	10 MPN	11 MPN	7.2 MPN
10	Turbidity	5 NTU	4 NTU	48 NTU	62 NTU	2 NTU	2 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	80.7 mg/L	84.7 mg/L	78.4 mg/L	82.3 mg/L	72.5 mg/L	220.6 mg/L
12	Chloride	12.0 mg/L	13 mg/L	12 mg/L	14 mg/L	16.1 mg/L	100.6 mg/L
13	Nitrogen Ammonia (N-NH ₃)	0.919 mg/L	0.953 mg/L	1.193 mg/L	1.257 mg/L	1.295 mg/L	1.197 mg/L
14	Total hardness as CaCO ₃	26 mg/L	30 mg/L	38 mg/L	44 mg/L	26 mg/L	34 mg/L
15	Calcium	5.6 mg/L	6.4 mg/L	8.8 mg/L	10.4 mg/L	5.6 mg/L	7.2 mg/L
16	Magnesium	2.8 mg/L	3.3 mg/L	3.8 mg/L	4.3 mg/L	2.8 mg/L	3.8 mg/L
17	TDS	110 mg/L	80 mg/L	90 mg/L	120 mg/L	50 mg/L	90 mg/L
18	TSS	20 mg/L	20 mg/L	230 mg/L	150 mg/L	60 mg/L	30 mg/L
19	Phosphate, PO ₄ ³⁻	0.300 mg/L	0.310 mg/L	0.451 mg/L	0.463 mg/L	0.461 mg/L	0.327 mg/L
20	Sodium	24 mg/L	24 mg/L	44 mg/L	66 mg/L	99 mg/L	66 mg/L