

**Water Quality Data Monitored by Mizoram State Pollution Control Board
November, 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	0.9 m/s	1.6 m/s	1.2 m/s	1.1 m/s	N/A	N/A
2	Water Temperature	22°C	22°C	20°C	20°C	19°C	20°C
3	Dissolved Oxygen	7.2 mg/L	7.4 mg/L	7.2 mg/L	7.5 mg/L	5.1 mg/L	4.3 mg/L
4	pH	6.9	7.1	7.3	7.3	7.4	6.8
5	Conductivity	263 µs/cm	233 µs/cm	285 µs/cm	287 µs/cm	339 s/cm	269 µs/cm
6	BOD	0.58 mg/L	0.87 mg/L	0.77 mg/L	0.77 mg/L	1.16 mg/L	1.16 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.111 mg/L	0.113 mg/L	0.115 mg/L	0.117 mg/L	0.111 mg/L	0.114 mg/L
8	Total Coliform	29 MPN	20 MPN	24 MPN	42 MPN	93 MPN	210 MPN
9	Faecal Coliform	0 MPN	0 MPN	3 MPN	3 MPN	7.2 MPN	6 MPN
10	Turbidity	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	59.1 mg/L	65.0 mg/L	45.3 mg/L	51.2 mg/L	41.3 mg/L	116.2 mg/L
12	Chloride	25.8 mg/L	27.9 mg/L	10.3 mg/L	14.4 mg/L	15.5 mg/L	11.3 mg/L
13	Nitrogen Ammonia (N-NH ₃)	0.862 mg/L	1.067 mg/L	1.060 mg/L	1.124 mg/L	1.197 mg/L	1.246 mg/L
14	Total hardness as CaCO ₃	22 mg/L	26 mg/L	30 mg/L	20 mg/L	54 mg/L	2.4 mg/L
15	Calcium	4.8 mg/L	6.4 mg/L	7.2 mg/L	4.8 mg/L	10.4 mg/L	5.6 mg/L
16	Magnesium	2.4 mg/L	2.4 mg/L	2.8 mg/L	1.9 mg/L	6.7 mg/L	2.4 mg/L
17	TDS	120 mg/L	140 mg/L	110 mg/L	90 mg/L	80 mg/L	80 mg/L
18	TSS	40 mg/L	50 mg/L	70 mg/L	50 mg/L	20 mg/L	30 mg/L
19	Phosphate, PO ₄ ³⁻	0.353 mg/L	0.341 mg/L	0.410 mg/L	0.417 mg/L	0.451 mg/L	0.461 mg/L
20	Sodium	20 mg/L	16.5 mg/L	35.5 mg/L	33.5 mg/L	56 mg/L	68.5 mg/L