

**Water Quality Data Monitored by Mizoram State Pollution Control Board
October, 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	0.5 m/s	1.1 m/s	1 m/s	N/A	N/A
2	Water Temperature	27°C	27°C	26°C	26°C	23°C	22°C
3	Dissolved Oxygen	6.8 mg/L	6.9 mg/L	6.1 mg/L	6.2 mg/L	4.6 mg/L	5.9 mg/L
4	pH	6.8	6.5	6.5	6.9	6.9	7.03
5	Conductivity	257 µs/cm	229 µs/cm	273 µs/cm	295 µs/cm	340s/cm	263 µs/cm
6	BOD	0.49 mg/L	0.59 mg/L	0.39 mg/L	0.59 mg/L	0.59 mg/L	1.96 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.108 mg/L	0.109 mg/L	0.113 mg/L	0.111 mg/L	0.112 mg/L	0.114 mg/L
8	Total Coliform	16 MPN	24 MPN	39 MPN	35 MPN	120 MPN	75 MPN
9	Faecal Coliform	0 MPN	6 MPN	6 MPN	3 MPN	21 MPN	23 MPN
10	Turbidity	1 NTU	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	59.1 mg/L	59.1 mg/L	45.3 mg/L	51.2 mg/L	31.5 mg/L	84.7 mg/L
12	Chloride	25.8 mg/L	27.9 mg/L	11.3 mg/L	11.3 mg/L	13.4 mg/L	56.9 mg/L
13	Nitrogen Ammonia (N-NH ₃)	0.828 mg/L	1.041 mg/L	1.086 mg/L	1.113 mg/L	1.116 mg/L	1.208 mg/L
14	Total hardness as CaCO ₃	24 mg/L	28 mg/L	30 mg/L	24 mg/L	60 mg/L	20 mg/L
15	Calcium	5.6 mg/L	6.4 mg/L	5.6 mg/L	4 mg/L	12 mg/L	4 mg/L
16	Magnesium	2.4 mg/L	2.8 mg/L	3.8 mg/L	3.3 mg/L	7.2 mg/L	2.4 mg/L
17	TDS	80 mg/L	90 mg/L	90 mg/L	110 mg/L	60 mg/L	60 mg/L
18	TSS	30 mg/L	50 mg/L	50 mg/L	50 mg/L	40 mg/L	20 mg/L
19	Phosphate, PO ₄ ³⁻	0.346 mg/L	0.325 mg/L	0.399 mg/L	0.407 mg/L	0.449 mg/L	0.459 mg/L
20	Sodium	16 mg/L	14 mg/L	31.5 mg/L	34.5 mg/L	51.5 mg/L	75.5 mg/L