

Water Quality Data Monitored by Mizoram State Pollution Control Board
July - September 2010

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	0.5 m/s	0.4 m/s	0.5 m/s	1 m/s	N/A	N/A
2	Water Temperature	25°C	25°C	29°C	29°C	24°C	22°C
3	Dissolved Oxygen	5.8 mg/L	5.8 mg/L	6.8 mg/L	6.1 mg/L	4.5 mg/L	2.6 mg/L
4	pH	7.1	7.4	6.9	6.9	6.3	6
5	Conductivity	207 µs/cm	256 µs/cm	297 µs/cm	309 µs/cm	76 µs/cm	107 µs/cm
6	BOD	1.7 mg/L	1.8 mg/L	1.6 mg/L	1.7 mg/L	2.4 mg/L	2.2 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.188 mg/L	0.114 mg/L	0.117 mg/L	0.122 mg/L	0.2 mg/L	0.136 mg/L
8	Total Coliform	460 MPN	150 MPN	75 MPN	290 MPN	240 MPN	290 MPN
9	Faecal Coliform	14 MPN	0 MPN	9.1 MPN	15 MPN	20 MPN	43 MPN
10	Turbidity	6 NTU	9 NTU	13 NTU	19 NTU	0.00 NTU	4 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	42 mg/L	42 mg/L	48.3 mg/L	52.5 mg/L	33.6 mg/L	86.1 mg/L
12	Chloride	6.1 mg/L	6.1 mg/L	10.2 mg/L	5.1 mg/L	62.2 mg/L	61.2 mg/L
13	Nitrogen Ammonia (N-NH ₃)	1.1 mg/L	0.7 mg/L	0.8mg/L	0.7 mg/L	0.2 mg/L	0.8 mg/L
14	Total hardness as CaCO ₃	30 mg/L	40 mg/L	40 mg/L	40 mg/L	90 mg/L	100 mg/L
15	Calcium	5.6 mg/L	8.8 mg/L	9.6 mg/L	8.8 mg/L	18.4 mg/L	22.4 mg/L
16	Magnesium	3.8 mg/L	4.3 mg/L	3.8 mg/L	4.3 mg/L	10.5 mg/L	10.5 mg/L
17	Sodium	16 mg/L	19.5 mg/L	28.5 mg/L	18.5 mg/L	30 mg/L	23.5 mg/L
18	TDS	110 mg/L	150 mg/L	70 mg/L	80 mg/L	260 mg/L	50 mg/L
19	TSS	80 mg/L	110 mg/L	120 mg/L	150 mg/L	20 mg/L	10 mg/L
20	Phosphate, PO ₄ ³⁻	0.3 mg/L	0.3 mg/L	0.21 mg/L	0.3 mg/L	0.2 mg/L	0.3 mg/L