

Water Quality Data Monitored by Mizoram State Pollution Control Board
August, 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	0.5 m/s	0.5 m/s	0.5 m/s	0.5 m/s	N/A	N/A
2	Water Temperature	26°C	26°C	27°C	27°C	23°C	23°C
3	Dissolved Oxygen	9.5 mg/L	9.3 mg/L	8.3 mg/L	7.9 mg/L	5.1 mg/L	3.1 mg/L
4	pH	7.1	7.12	7.9	7.59	7.73	7.3
5	Conductivity	289 µs/cm	290 µs/cm	307 µs/cm	306 µs/cm	125 µs/cm	216 µs/cm
6	BOD	1 mg/L	0.1 mg/L	0.9 mg/L	1.2 mg/L	2.1 mg/L	2.9 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.108 mg/L	0.115 mg/L	0.113 mg/L	0.108 mg/L	0.110 mg/L	0.129 mg/L
8	Total Coliform	6 MPN	10 MPN	29 MPN	26 MPN	64 MPN	75 MPN
9	Faecal Coliform	0 MPN	3 MPN	6 MPN	7 MPN	15 MPN	27 MPN
10	Turbidity	0 NTU	11 NTU	13 NTU	4 NTU	0 NTU	0 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	60 mg/L	61.7 mg/L	57.9 mg/L	63.6 mg/L	19.3 mg/L	119.6 mg/L
12	Chloride	19.3 mg/L	32.6 mg/L	11.23 mg/L	10.20 mg/L	71.46 mg/L	63.2 mg/L
13	Nitrogen Ammonia (N-NH ₃)	1.238 mg/L	1.208 mg/L	1.216 mg/L	1.295 mg/L	1.254 mg/L	1.250 mg/L
14	Total hardness as CaCO ₃	20 mg/L	22 mg/L	40 mg/L	30 mg/L	50 mg/L	20 mg/L
15	Calcium	4 mg/L	5.6 mg/L	8.8 mg/L	6.4 mg/L	10.4mg/L	4 mg/L
16	Magnesium	2.4 mg/L	2 mg/L	4.3 mg/L	3.3 mg/L	5.7 mg/L	2.4 mg/L
17	TDS	90 mg/L	80 mg/L	150 mg/L	160 mg/L	70 mg/L	70 mg/L
18	TSS	40 mg/L	30 mg/L	50 mg/L	90 mg/L	30 mg/L	40 mg/L
19	Phosphate, PO ₄ ³⁻	0.368 mg/L	0.355 mg/L	0.446 mg/L	0.386 mg/L	0.438 mg/L	0.439 mg/L
20	Sodium	18 mg/L	21 mg/L	30 mg/L	32.5 mg/L	64.5 mg/L	66 mg/L