

**Water Quality Data Monitored by Mizoram State Pollution Control Board
May, 2011**

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	1 m/s	0.8 m/s	0.8 m/s	1 m/s	N/A	N/A
2	Water Temperature	24°C	24°C	21°C	21°C	18°C	23°C
3	Dissolved Oxygen	6.5 mg/L	6.4 mg/L	6.2 mg/L	6.3 mg/L	5.7 mg/L	4.8 mg/L
4	pH	6.8	6.7	7	6.9	6.5	6.6
5	Conductivity	320 µs/cm	351 µs/cm	310 µs/cm	316 µs/cm	130 µs/cm	287 µs/cm
6	BOD	0.9 mg/L	1.3 mg/L	1.114 mg/L	1.7 mg/L	2.6 mg/L	2.8 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.111 mg/L	0.114 mg/L	0.108 mg/L	0.104 mg/L	0.114 mg/L	0.111 mg/L
8	Total Coliform	20 MPN	20 MPN	27 MPN	26 MPN	15 MPN	29 MPN
9	Faecal Coliform	3 MPN	3 MPN	7 MPN	11 MPN	3 MPN	7.3 MPN
10	Turbidity	52 NTU	56 NTU	43 NTU	38 NTU	1 NTU	2 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	43.1 mg/L	49 mg/L	68.6 mg/L	78.4 mg/L	47.0 mg/L	209.7 mg/L
12	Chloride	10.3 mg/L	17.5 mg/L	10.3 mg/L	13.4 mg/L	65.2 mg/L	98.3 mg/L
13	Nitrogen Ammonia (N-NH ₃)	0.976 mg/L	1.075 mg/L	1.128 mg/L	1.029 mg/L	1.216 mg/L	1.292 mg/L
14	Total hardness as CaCO ₃	20 mg/L	28 mg/L	42 mg/L	50 mg/L	30 mg/L	48 mg/L
15	Calcium	4 mg/L	6.4 mg/L	8 mg/L	10.4 mg/L	6.4 mg/L	9.6 mg/L
16	Magnesium	2.4 mg/L	2.8 mg/L	5.2 mg/L	5.7 mg/L	3.3 mg/L	5.7 mg/L
17	TDS	70 mg/L	50 mg/L	70 mg/L	80 mg/L	50 mg/L	20 mg/L
18	TSS	70 mg/L	130 mg/L	90 mg/L	110 mg/L	40 mg/L	30 mg/L
19	Phosphate, PO ₄ ³⁻	0.379 mg/L	0.360 mg/L	0.417 mg/L	0.351 mg/L	0.444 mg/L	0.339 mg/L
20	Sodium	26 mg/L	28.5 mg/L	37 mg/L	32 mg/L	94.5 mg/L	64 mg/L