

Water Quality Data Monitored by Mizoram State Pollution Control Board
December, 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	0.7 m/s	1.2 m/s	1.8 m/s	1.2 m/s	N/A	N/A
2	Water Temperature	22°C	22°C	21°C	22°C	20°C	20°C
3	Dissolved Oxygen	7.1 mg/L	7.4 mg/L	7.8 mg/L	8.3 mg/L	5.4 mg/L	4.7 mg/L
4	pH	6.8	7.05	7	6.9	7.8	7
5	Conductivity	259 µs/cm	237 µs/cm	292 µs/cm	298 µs/cm	345 s/cm	273 µs/cm
6	BOD	0.3 mg/L	0.4 mg/L	0.5 mg/L	0.4 mg/L	1.0 mg/L	0.8 mg/L
7	Nitrogen-Nitrite (N-NO ₂)	0.117 mg/L	0.117 mg/L	0.119 mg/L	0.118 mg/L	0.110 mg/L	0.116 mg/L
8	Total Coliform	-	-	-	-	-	-
9	Faecal Coliform	-	-	-	-	-	-
10	Turbidity	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
11	Carbonate as CaCO ₃ (Alkalinity)	80.3 mg/L	88.2 mg/L	60.7 mg/L	54.8 mg/L	49 mg/L	107.8 mg/L
12	Chloride	23.8 mg/L	26.9 mg/L	13.4 mg/L	15.5 mg/L	13.4 mg/L	25.8 mg/L
13	Nitrogen Ammonia (N-NH ₃)	0.893 mg/L	1.105 mg/L	1.075 mg/L	1.128 mg/L	1.250 mg/L	1.197 mg/L
14	Total hardness as CaCO ₃	30 mg/L	34 mg/L	36 mg/L	40 mg/L	60 mg/L	20 mg/L
15	Calcium	8.0 mg/L	8.0 mg/L	8.0 mg/L	10.4 mg/L	13.6 mg/L	4 mg/L
16	Magnesium	2.4 mg/L	3.3 mg/L	3.8 mg/L	3.3 mg/L	6.2 mg/L	2.4 mg/L
17	TDS	100 mg/L	120 mg/L	90 mg/L	110 mg/L	80 mg/L	70 mg/L
18	TSS	60 mg/L	70 mg/L	40 mg/L	50 mg/L	30 mg/L	50 mg/L
19	Phosphate, PO ₄ ³⁻	0.362 mg/L	0.355 mg/L	0.399 mg/L	0.424 mg/L	0.448 mg/L	0.459 mg/L
20	Sodium	18 mg/L	18.5 mg/L	34.5 mg/L	34 mg/L	62.5 mg/L	73 mg/L