

**Water Quality Data Monitored by Mizoram State Pollution Control Board  
July, 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	0.7 m/s	0.3 m/s	0.5 m/s	0.8 m/s	N/A	N/A
2	Water Temperature	24°C	25°C	28°C	28°C	24°C	24°C
3	Dissolved Oxygen	9.2 mg/L	9.0 mg/L	8.0 mg/L	7.5 mg/L	7.0 mg/L	4.0 mg/L
4	pH	7.87	7.91	8.05	7.74	7.77	7.23
5	Conductivity	309 µs/cm	312 µs/cm	302 µs/cm	309 µs/cm	130 µs/cm	207 µs/cm
6	BOD	0.4 mg/L	0.7 mg/L	1.3 mg/L	1.3 mg/L	0.7 mg/L	1.1 mg/L
7	Nitrogen-Nitrite (N-NO <sub>2</sub> )	0.111 mg/L	0.114 mg/L	0.113 mg/L	0.136 mg/L	0.141 mg/L	0.135 mg/L
8	Total Coliform	14 MPN	15 MPN	150 MPN	35 MPN	210 MPN	160 MPN
9	Faecal Coliform	3 MPN	7 MPN	15 MPN	14 MPN	29 MPN	20 MPN
10	Turbidity	12 NTU	10 NTU	15 NTU	5 NTU	0 NTU	0 NTU
11	Carbonate as CaCO <sub>3</sub> (Alkalinity)	53.4 mg/L	59.4 mg/L	58.2 mg/L	67.6 mg/L	62 mg/L	128.7 mg/L
12	Chloride	17.4 mg/L	20.5 mg/L	10 mg/L	6 mg/L	9 mg/L	61.6 mg/L
13	Nitrogen Ammonia (N-NH <sub>3</sub> )	1.2 mg/L	1.14 mg/L	1.2 mg/L	1.50 mg/L	1.1 mg/L	1.20 mg/L
14	Total hardness as CaCO <sub>3</sub>	20 mg/L	18 mg/L	16 mg/L	16 mg/L	28 mg/L	24 mg/L
15	Calcium	4.8 mg/L	4 mg/L	3.2 mg/L	3.2 mg/L	4.8 mg/L	5.6 mg/L
16	Magnesium	1.9 mg/L	1.9 mg/L	1.9 mg/L	1.9 mg/L	3.8 mg/L	2.4 mg/L
17	TDS	90 mg/L	100 mg/L	130 mg/L	110 mg/L	60 mg/L	70 mg/L
18	TSS	50 mg/L	60 mg/L	60 mg/L	50 mg/L	40 mg/L	20 mg/L
19	Phosphate, PO <sub>4</sub> <sup>3-</sup>	0.325 mg/L	0.339 mg/L	0.424 mg/L	0.396mg/L	0.449 mg/L	0.451 mg/L
20	Sodium	22.5 mg/L	25.5 mg/L	29 mg/L	30.5 mg/L	70 mg/L	76.5 mg/L