

**Water Quality Data Monitored by Mizoram State Pollution Control Board  
February, 2012**

Sl. No.	PARAMETER	RESULT					
		STATION CODE: 2050 River Tlawng, Upstream	STATION CODE: 2051 River Tlawng, Downstream	STATION CODE: 2052 River Tuirial, Upper-catchment	STATION CODE: 2053 River Tuirial, Lower-catchment	STATION CODE: 2054 Ramhlun North Tuikhur ( Spring Water )	STATION CODE: 2055 Mission Vengthlang Tuikhur ( Spring Water )
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body	0.5 meter	1 meter	0.5 meter	1.2 meter	1 meter	1 meter
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.6 m/s	0.5 m/s	0.8 m/s	0.5 m/s	N/A	N/A
6	Water Temperature	20°C	20°C	20°C	20°C	18°C	18°C
7	Dissolved Oxygen	8.1 mg/L	7.6 mg/L	7.6 mg/L	7.8 mg/L	5.4 mg/L	2.3 mg/L
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Agriculture	Domestic	Domestic
9	Used of water at or in down stream of monitoring stations	Used as public water supply	Water treatment plant located near the station	-	-	Washing	Washing

**CORE PARAMETERS**

10	pH	7.58	7.07	6.73	7.09	7.51	6.93
11	Conductivity	243 µs/cm	279 µs/cm	216 µs/cm	237 µs/cm	354 µs/cm	272 µs/cm
12	BOD	0.6 mg/L	0.5 mg/L	0.7 mg/L	0.6 mg/L	1.0 mg/L	0.7 mg/L
13	Nitrogen-Nitrite (N-NO <sub>2</sub> )	0.119 mg/L	0.123 mg/L	0.125 mg/L	0.112 mg/L	0.116 mg/L	0.130 mg/L
14	Faecal Coliform	3 MPN	3 MPN	9.4 MPN	16 MPN	26 MPN	27 MPN
15	Total Coliform	34 MPN	29 MPN	53 MPN	75 MPN	150 MPN	160 MPN

**GENERAL PARAMETER**

16	Turbidity	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO <sub>3</sub> (Alkalinity)	78.4 mg/L	82.3 mg/L	50.9 mg/L	54.8 mg/L	29.4 mg/L	235.2 mg/L
18	Chloride	10.4 mg/L	12.5 mg/L	13.6 mg/L	15.6 mg/L	72.9 mg/L	90.6 mg/L
19	Nitrogen Ammonia (N-NH <sub>3</sub> )	1.315 mg/L	1.296 mg/L	1.243 mg/L	1.440 mg/L	1.490 mg/L	1.558 mg/L
20	Total hardness as CaCO <sub>3</sub>	66 mg/L	70 mg/L	44 mg/L	46 mg/L	134 mg/L	200 mg/L
21	Calcium	16.8 mg/L	19.2 mg/L	10.4 mg/L	12 mg/L	43.2 mg/L	50.4 mg/L
22	Magnesium	5.7 mg/L	5.2 mg/L	4.3 mg/L	3.8 mg/L	6.2 mg/L	17.7 mg/L
23	Sodium	62 mg/L	85 mg/L	55 mg/L	63 mg/L	74 mg/L	54.5 mg/L
24	TDS	80 mg/L	110 mg/L	60 mg/L	40 mg/L	50 mg/L	70 mg/L
25	TSS	30 mg/L	80 mg/L	20 mg/L	20 mg/L	10 mg/L	40 mg/L
26	Phosphate, PO <sub>4</sub> <sup>3-</sup>	0.508 mg/L	0.523 mg/L	0.520 mg/L	0.465 mg/L	0.458 mg/L	0.491 mg/L