

**Water Quality Data Monitored by Mizoram State Pollution Control Board
March, 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	1 meter	1 meter	0.5 meter	0.5 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	0.8 m/s	0.5 m/s	0.2 m/s	0.5 m/s	N/A	N/A
6	Water Temperature	21°C	21°C	20°C	20°C	18°C	15°C
7	Dissolved Oxygen	6.1 mg/L	5.9 mg/L	7.3 mg/L	7.5 mg/L	8.2 mg/L	1.2 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	7.49	7.73	6.1	6.12	6.83	6.83
11	Conductivity	754 µs/cm	805 µs/cm	445 µs/cm	604 µs/cm	975 µs/cm	348 µs/cm
12	BOD	0.6 mg/L	0.7 mg/L	0.6 mg/L	0.7 mg/L	0.5 mg/L	0.5 mg/L
13	Nitrogen-Nitrite (N-NO ₂)	0.39 mg/L	0.37 mg/L	0.38 mg/L	0.45 mg/L	0.42 mg/L	0.39 mg/L
14	Faecal Coliform	6.1 MPN	0 MPN	11 MPN	15 MPN	39 MPN	15 MPN
15	Total Coliform	28 MPN	27 MPN	75 MPN	93 MPN	460 MPN	150 MPN

GENERAL PARAMETER

16	Turbidity	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	81.1 mg/L	79.2 mg/L	41.5 mg/L	41.5 mg/L	55.4 mg/L	245.5 mg/L
18	Chloride	12.3 mg/L	13.3 mg/L	10.2 mg/L	13.3 mg/L	87.3 mg/L	102.8 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.015 mg/L	0.02 mg/L	0.016 mg/L	0.043 mg/L	0.017 mg/L	0.046 mg/L
20	Total hardness as CaCO ₃	68 mg/L	72 mg/L	50 mg/L	54 mg/L	140 mg/L	220 mg/L
21	Calcium	16 mg/L	18.4 mg/L	9.6 mg/L	12.8 mg/L	44.8 mg/L	72.8 mg/L
22	Magnesium	6.7 mg/L	6.2 mg/L	5.7 mg/L	5.2 mg/L	6.7 mg/L	9.1 mg/L
23	Sodium	74 mg/L	89.5 mg/L	78 mg/L	74.5 mg/L	94 mg/L	98.5 mg/L
24	TDS	80 mg/L	90 mg/L	110 mg/L	70 mg/L	120 mg/L	190 mg/L
25	TSS	20 mg/L	30 mg/L	20 mg/L	40 mg/L	40 mg/L	40 mg/L
26	Phosphate, PO ₄ ³⁻	0.042 mg/L	0.03 mg/L	0.029 mg/L	0.01 mg/L	0.027 mg/L	0.016 mg/L