

**Water Quality Data Monitored by Mizoram State Pollution Control Board  
September, 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	1.2 meter	1.1 meter	0.5 meter	1.5 meter	1 meter	1 meter
3	Colour	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	1.8 m/s	1.9 m/s	1.2 m/s	1.4 m/s	N/A	N/A
6	Water Temperature	23°C	23°C	24°C	24°C	21°C	21°C
7	Dissolved Oxygen	6.6 mg/L	5.7 mg/L	6.7 mg/L	7.1 mg/L	5.2 mg/L	1.8 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	7.73	7.85	7.73	7.79	6.28	6.37
11	Conductivity	201 us/cm	200 us/cm	184 us/cm	185 us/cm	158 us/cm	156 us/cm
12	BOD	1.4 mg/L	1.4 mg/L	1.6 mg/L	1.8 mg/L	1.1 mg/L	0.8 mg/L
13	Nitrogen-Nitrite (N-NO <sub>2</sub> )	0.110 mg/L	0.136 mg/L	0.429 mg/L	0.465 mg/L	0.115 mg/L	0.266 mg/L
14	Faecal Coliform	3.6 MPN	3 MPN	3 MPN	7.3 MPN	9.1 MPN	7.3 MPN
15	Total Coliform	15 MPN	20 MPN	21 MPN	21 MPN	35 MPN	43 MPN

**GENERAL PARAMETER**

16	Turbidity	59 NTU	60 NTU	55 NTU	70 NTU	1 NTU	1 NTU
17	Carbonate as CaCO <sub>3</sub> (Alkalinity)	39.9 mg/L	38 mg/L	28.5 mg/L	26.6 mg/L	15.2 mg/L	138.7 mg/L
18	Chloride	6.2 mg/L	7.9 mg/L	8.8 mg/L	13.2 mg/L	53.1 mg/L	44.3 mg/L
19	Nitrogen Ammonia (N-NH <sub>3</sub> )	7.767 mg/L	3.055 mg/L	7.767 mg/L	8.778 mg/L	1.805 mg/L	6.768 mg/L
20	Total hardness as CaCO <sub>3</sub>	26 mg/L	30mg/L	28 mg/L	24 mg/L	90 mg/L	104 mg/L
21	Calcium	7.2 mg/L	8.0 mg/L	5.6 mg/L	4 mg/L	21.6 mg/L	29.6 mg/L
22	Magnesium	1.9 mg/L	2.4 mg/L	3.3 mg/L	3.3 mg/L	8.6 mg/L	7.2 mg/L
23	Sodium	11.5 mg/L	15.5 mg/L	28.5 mg/L	29 mg/L	59.5 mg/L	64 mg/L
24	TDS	170 mg/L	180 mg/L	150 mg/L	190 mg/L	90 mg/L	110 mg/L
25	TSS	120 mg/L	90 mg/L	80 mg/L	110 mg/L	50 mg/L	60 mg/L
26	Phosphate, PO <sub>4</sub> <sup>3-</sup>	0.355 mg/L	0.357 mg/L	1.335 mg/L	1.819 mg/L	0.138 mg/L	0.102 mg/L