

**Water Quality Data Monitored by Mizoram State Pollution Control Board  
July, 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	0.8 meter	0.5 meter	0.5 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	0.8 m/s	1 m/s	0.5 m/s	0.9 m/s	N/A	N/A
6	Water Temperature	27°C	27°C	27°C	27°C	22°C	22°C
7	Dissolved Oxygen	6.2 mg/L	7 mg/L	7.0 mg/L	7.5 mg/L	5.0 mg/L	2.5 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	7.53	7.42	7.03	7.98	6.37	7.03
11	Conductivity	322 µs/cm	217 µs/cm	314 µs/cm	318 µs/cm	147 µs/cm	188 µs/cm
12	BOD	1.1 mg/L	1.1 mg/L	0.8 mg/L	1.2 mg/L	0.9 mg/L	0.6 mg/L
13	Nitrogen-Nitrite (N-NO <sub>2</sub> )	0.102 mg/L	0.105 mg/L	0.151 mg/L	0.117 mg/L	0.114 mg/L	0.224 mg/L
14	Faecal Coliform	3 MPN	3.6 MPN	3.6 MPN	39 MPN	3.6 MPN	15 MPN
15	Total Coliform	210 MPN	460 MPN	240 MPN	2400 MPN	460 MPN	1100 MPN

**GENERAL PARAMETER**

16	Turbidity	5 NTU	4 NTU	0 NTU	0 NTU	0 NTU	1NTU
17	Carbonate as CaCO <sub>3</sub> (Alkalinity)	41.1 mg/L	41.3 mg/L	37.6 mg/L	41.3 mg/L	18.8 mg/L	141 mg/L
18	Chloride	9.0 mg/L	7.2 mg/L	7.2 mg/L	55.3 mg/L	9.0 mg/L	54.4 mg/L
19	Nitrogen Ammonia (N-NH <sub>3</sub> )	0.194 mg/L	0.232 mg/L	3.553 mg/L	0.722 mg/L	0.646 mg/L	4.723 mg/L
20	Total hardness as CaCO <sub>3</sub>	40 mg/L	40 mg/L	34 mg/L	30 mg/L	110 mg/L	130 mg/L
21	Calcium	9.6 mg/L	8.8 mg/L	8 mg/L	6.4 mg/L	34.4 mg/L	40.8 mg/L
22	Magnesium	3.8 mg/L	4.32 mg/L	3.36 mg/L	3.36 mg/L	5.76 mg/L	6.72 mg/L
23	Sodium	5 mg/L	5 mg/L	3 mg/L	2 mg/L	25 mg/L	29.5 mg/L
24	TDS	170 mg/L	130 mg/L	150 mg/L	140 mg/L	90 mg/L	90 mg/L
25	TSS	90 mg/L	150 mg/L	110 mg/L	70 mg/L	60 mg/L	50 mg/L
26	Phosphate, PO <sub>4</sub> <sup>3-</sup>	0.089 mg/L	0.144 mg/L	0.161 mg/L	0.021 mg/L	0.109 mg/L	0.247 mg/L