

**Water Quality Data Monitored by Mizoram State Pollution Control Board
November, 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	0.8 meter	0.5 meter	1 meter	1 meter
3	Colour	Pale Green	Pale Green	Pale Yellow	Pale Yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	1.9 m/s	1 m/s	2.0 m/s	2.0 m/s	N/A	N/A
6	Water Temperature	23°C	23°C	22°C	22°C	20°C	18°C
7	Dissolved Oxygen	8.5 mg/L	8.9 mg/L	7.7 mg/L	7.7 mg/L	6.0 mg/L	2.0 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	7.93	7.78	8.49	7.8	6.59	7.31
11	Conductivity	90.3 us/cm	97.6 us/cm	90.5 us/cm	89.4 us/cm	369 us/cm	565 us/cm
12	BOD			2.4 mg/L	2.3 mg/L	1.9 mg/L	
13	Nitrogen-Nitrite (N-NO ₂)	0.100 mg/L	0.101 mg/L	0.200 mg/L	0.189 mg/L	0.203 mg/L	0.105 mg/L
14	Faecal Coliform	3.6 MPN	9.1 MPN	75 MPN	150 MPN	210 MPN	9.1 MPN
15	Total Coliform	2400 MPN	1100 MPN	2400 MPN	2400 MPN	1100 MPN	2400 MPN

GENERAL PARAMETER

16	Turbidity	2 NTU	1 NTU	52 NTU	49 NTU	1 NTU	2 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	61.2 mg/L	52.5 mg/L	45.6 mg/L	39.1 mg/L	32.6mg/L	196 mg/L
18	Chloride	7.0 mg/L	8.8 mg/L	8.7 mg/L	7.8 mg/L	47.9 mg/L	77.1 mg/L
19	Nitrogen Ammonia (N-NH ₃)	1.243 mg/L	0.627 mg/L	3.492 mg/L	3.766 mg/L	1.220 mg/L	4.241 mg/L
20	Total hardness as CaCO ₃	50 mg/L	56 mg/L	30 mg/L	30 mg/L	74 mg/L	164 mg/L
21	Calcium	11.2 mg/L	12.8 mg/L	6.4 mg/L	5.6 mg/L	17.6 mg/L	38.4 mg/L
22	Magnesium	5.2 mg/L	5.7 mg/L	3.3 mg/L	3.8 mg/L	7.2 mg/L	16.3 mg/L
23	Sodium	9 mg/L	9 mg/L	31 mg/L	25 mg/L	68.5 mg/L	89.5 mg/L
24	TDS	80 mg/L	90 mg/L	250 mg/L	270 mg/L	130 mg/L	110 mg/L
25	TSS	40 mg/L	40 mg/L	650 mg/L	710 mg/L	70 mg/L	80 mg/L
26	Phosphate, PO ₄ ³⁻	0.075 mg/L	0.075 mg/L	0.481 mg/L	0.427 mg/L	0.178 mg/L	0.245 mg/L