

**Water Quality Data Monitored by Mizoram State Pollution Control Board
December, 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	1.0 meter	0.8 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	0.4 m/s	0.3 m/s	0.5 m/s	0.5 m/s	N/A	N/A
6	Water Temperature	21°C	21°C	21°C	21°C	20°C	18°C
7	Dissolved Oxygen	4.4 mg/L	3.3 mg/L	6.4 mg/L	6.1 mg/L	2.6 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	7.97	7.99	7.67	7.84	6.59	7.1
11	Conductivity	83.9 us/cm	82.2 us/cm	104 us/cm	94.9 us/cm	114 us/cm	592 us/cm
12	BOD	1.9	1.5	2.1 mg/L	1.9 mg/L	0.9 mg/L	0.8
13	Nitrogen-Nitrite (N-NO ₂)	0.1 mg/L	0.1 mg/L	0.1 mg/L	0.1 mg/L	0.1 mg/L	0.136 mg/L
14	Faecal Coliform	3.6 MPN	3.6 MPN	240 MPN	150 MPN	3.6 MPN	44 MPN
15	Total Coliform	23 MPN	240 MPN	1100 MPN	210 MPN	43 MPN	2400 MPN

GENERAL PARAMETER

16	Turbidity	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU	1 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	52.4 mg/L	55.7 mg/L	57.4 mg/L	42.6 mg/L	68.8 mg/L	188.6 mg/L
18	Chloride	6.2 mg/L	8.8 mg/L	8.8 mg/L	11.5 mg/L	4.4 mg/L	93 mg/L
19	Nitrogen Ammonia (N-NH ₃)	1.015 mg/L	1.201 mg/L	0.528 mg/L	1.258 mg/L	0.904 mg/L	5.176 mg/L
20	Total hardness as CaCO ₃	54 mg/L	50 mg/L	56 mg/L	50 mg/L	60 mg/L	190 mg/L
21	Calcium	12 mg/L	11.2 mg/L	13.6 mg/L	12 mg/L	14.4 mg/L	41.6 mg/L
22	Magnesium	5.7 mg/L	5.2 mg/L	5.2 mg/L	4.8 mg/L	5.7 mg/L	20.6 mg/L
23	Sodium	5.5 mg/L	5.0 mg/L	7.0 mg/L	6.0 mg/L	6.5 mg/L	49.5 mg/L
24	TDS	110 mg/L	130 mg/L	80 mg/L	120 mg/L	100 mg/L	90 mg/L
25	TSS	60 mg/L	50 mg/L	40 mg/L	50 mg/L	60 mg/L	50 mg/L
26	Phosphate, PO ₄ ³⁻	0.241 mg/L	0.258 mg/L	0.446 mg/L	0.481 mg/L	0.642 mg/L	0.362 mg/L