

**Water Quality Data Monitored by Mizoram State Pollution Control Board
August, 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	Rain	Rain	Clear	Clear	Clear	Rain
2	Depth of water body	1.0 meter	1.0 meter	0.5 meter	0.3 meter	1 meter	1 meter
3	Colour	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	2 m/s	2 m/s	1.0 m/s	1 m/s	N/A	N/A
6	Water Temperature	23°C	23°C	24°C	24°C	19°C	18°C
7	Dissolved Oxygen	7.2 mg/L	6.9 mg/L	6.0 mg/L	6.2 mg/L	4.8 mg/L	1.4 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	8.2	8.1	6.5	6.4	6.7	7
11	Conductivity	233 us/cm	236 us/cm	495 us/cm	464 us/cm	366 us/cm	181 us/cm
12	BOD	1.6 mg/L	1.4 mg/L	1.3 mg/L	1.2 mg/L	0.4 mg/L	0.8 mg/L
13	Nitrogen-Nitrite (N-NO ₂)	0.111 mg/L	0.110 mg/L	0.101 mg/L	0.100 mg/L	0.102 mg/L	0.212 mg/L
14	Faecal Coliform	9.1 MPN	0 MPN	23 MPN	0 MPN	23 MPN	7 MPN
15	Total Coliform	43 MPN	37 MPN	1100 MPN	240 MPN	240 MPN	35 MPN

GENERAL PARAMETER

16	Turbidity	5 NTU	5 NTU	1 NTU	2 NTU	4 NTU	1 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	47.2 mg/L	41.5 mg/L	66.1 mg/L	69.9 mg/L	39.6 mg/L	196.5 mg/L
18	Chloride	7.9 mg/L	7.0 mg/L	8.8 mg/L	8.8 mg/L	6.2 mg/L	60.2 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.980 mg/L	0.939 mg/L	0.585 mg/L	0.597 mg/L	0.760 mg/L	5.936 mg/L
20	Total hardness as CaCO ₃	40 mg/L	40 mg/L	46 mg/L	50 mg/L	40 mg/L	150 mg/L
21	Calcium	9.6 mg/L	8.8 mg/L	8.8 mg/L	8.0 mg/L	9.6 mg/L	44.8 mg/L
22	Magnesium	3.8 mg/L	4.3 mg/L	5.7 mg/L	7.2 mg/L	3.8 mg/L	9.1 mg/L
23	Sodium	7.5 mg/L	4.5 mg/L	9 mg/L	7.5 mg/L	5.5 mg/L	77.5 mg/L
24	TDS	190 mg/L	170 mg/L	150 mg/L	130 mg/L	90 mg/L	100 mg/L
25	TSS	90 mg/L	90 mg/L	60 mg/L	70 mg/L	60 mg/L	50 mg/L
26	Phosphate, PO ₄ ³⁻	0.331 mg/L	0.176 mg/L	0.268 mg/L	0.207 mg/L	0.093 mg/L	0.234 mg/L