

**Water Quality Data Monitored by Mizoram State Pollution Control Board
January, 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	0.7 meter	1 meter	0.7 meter	1.3 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	1.1 m/s	1.5 m/s	0.7 m/s	0.9 m/s	N/A	N/A
6	Water Temperature	18°C	18°C	18°C	18°C	21°C	17°C
7	Dissolved Oxygen	7.4 mg/L	7.4 mg/L	7.9 mg/L	8.3 mg/L	5.1 mg/L	2.0 mg/L
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Agriculture	Domestic	Agriculture
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	6.26	6.2	6.06	6.01	5.71	6.81
11	Conductivity	406 µs/cm	420 µs/cm	601 µs/cm	597 µs/cm	160 µs/cm	105 µs/cm
12	BOD	0.4 mg/L	0.5 mg/L	0.8 mg/L	0.6 mg/L	0.7 mg/L	1.0 mg/L
13	Nitrogen-Nitrite (N-NO ₂)	0.108 mg/L	0.112 mg/L	0.115 mg/L	0.140 mg/L	0.113 mg/L	0.119 mg/L
14	Faecal Coliform	3 MPN	3.6 MPN	7.3 MPN	9.1 MPN	20 MPN	29 MPN
15	Total Coliform	35 MPN	23 MPN	29 MPN	64 MPN	210 MPN	460 MPN

GENERAL PARAMETER

16	Turbidity	1 NTU	2 NTU	0 NTU	0 NTU	0 NTU	3 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	78.8 mg/L	84.7 mg/L	57 mg/L	63 mg/L	41.3 mg/L	206.8 mg/L
18	Chloride	20.4 mg/L	19.3 mg/L	11.2 mg/L	14.2 mg/L	68.4 mg/L	86.7 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.034 mg/L	0.057 mg/L	0.072 mg/L	0.114 mg/L	0.023 mg/L	0.125 mg/L
20	Total hardness as CaCO ₃	60 mg/L	70 mg/L	38 mg/L	42 mg/L	82 mg/L	194 mg/L
21	Calcium	12.8 mg/L	21.6 mg/L	6.4 mg/L	9.6 mg/L	25.6 mg/L	48 mg/L
22	Magnesium	6.7 mg/L	3.8 mg/L	5.2 mg/L	4.3 mg/L	4.3 mg/L	17.7 mg/L
23	Sodium	19 mg/L	23.5mg/L	29 mg/L	29 mg/L	87.5 mg/L	99.5 mg/L
24	TDS	70 mg/L	100 mg/L	70 mg/L	80 mg/L	60 mg/L	90 mg/L
25	TSS	30 mg/L	40 mg/L	30 mg/L	20 mg/L	20 mg/L	40 mg/L
26	Phosphate, PO ₄ ³⁻	0.044 mg/L	0.041 mg/L	0.028 mg/L	0.025 mg/L	0.021 mg/L	0.013 mg/L