

**Water Quality Data Monitored by Mizoram State Pollution Control Board
May, 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	0.9 meter	1 meter	1 meter
3	Colour	Pale Yellow	Pale Yellow	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	1.2 m/s	1.7 m/s	1.5 m/s	1.5 m/s	N/A	N/A
6	Water Temperature	26°C	26°C	29°C	28°C	21°C	19°C
7	Dissolved Oxygen	7.6 mg/L	7.2 mg/L	5.8 mg/L	6.2 mg/L	3.7 mg/L	1.7 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	6.68	7.16	7.99	7.45	5.92	6.89
11	Conductivity	400 µs/cm	384 µs/cm	598 µs/cm	632 µs/cm	128 µs/cm	244 µs/cm
12	BOD	0.6 mg/L	0.8 mg/L	0.4 mg/L	0.6 mg/L	1.6 mg/L	0.7 mg/L
13	Nitrogen-Nitrite (N-NO ₂)	0.130 mg/L	0.184 mg/L	0.115 mg/L	0.227 mg/L	0.105 mg/L	0.331 mg/L
14	Faecal Coliform	0 MPN	0 MPN	0 MPN	0 MPN	2 MPN	3 MPN
15	Total Coliform	7.2 MPN	3.6 MPN	15 MPN	11 MPN	20 MPN	26 MPN

GENERAL PARAMETER

16	Turbidity	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	47 mg/L	48.8 mg/L	84.6 mg/L	56.4 mg/L	20.2 mg/L	219.9 mg/L
18	Chloride	13.2 mg/L	9.7 mg/L	8.8 mg/L	11.5 mg/L	68.9 mg/L	82.4 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.046 mg/L	0.049 mg/L	0.027 mg/L	0.209 mg/L	0.110 mg/L	5.734 mg/L
20	Total hardness as CaCO ₃	46 mg/L	42 mg/L	60.0 mg/L	60 mg/L	92 mg/L	210 mg/L
21	Calcium	12.8 mg/L	11.2 mg/L	12.0 mg/L	12.8 mg/L	30.4 mg/L	66.4 mg/L
22	Magnesium	3.3 mg/L	3.3 mg/L	7.2 mg/L	6.7 mg/L	3.8 mg/L	10.5 mg/L
23	Sodium	32.5 mg/L	23 mg/L	36.5 mg/L	66 mg/L	75 mg/L	99 mg/L
24	TDS	140 mg/L	130 mg/L	110 mg/L	150 mg/L	658 mg/L	170 mg/L
25	TSS	30 mg/L	90 mg/L	50 mg/L	60 mg/L	3 mg/L	100 mg/L
26	Phosphate, PO ₄ ³⁻	0.020 mg/L	0.044 mg/L	0.039 mg/L	0.103 mg/L	0.275 mg/L	0.138 mg/L