

**Water Quality Data Monitored by Mizoram State Pollution Control Board
June, 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	Cloudy	Cloudy	Clear	Clear	Clear	Cloudy
2	Depth of water body	0.3 meter	0.4 meter	0.5 meter	0.8 meter	1 meter	1 meter
3	Colour	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.5 m/s	0.5 m/s	1.1 m/s	1.5 m/s	N/A	N/A
6	Water Temperature	30°C	30°C	28°C	28°C	21°C	21°C
7	Dissolved Oxygen	4.4 mg/L	5.1 mg/L	3.8 mg/L	4.7 mg/L	4.8 mg/L	1.9 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	6.4	7.59	5.98	5.99	5.64	7.45
11	Conductivity	252 µs/cm	249 µs/cm	305 µs/cm	209 µs/cm	158 µs/cm	162 µs/cm
12	BOD	0.9 mg/L	0.7 mg/L	0.9 mg/L	0.7 mg/L	1.0 mg/L	1.1 mg/L
13	Nitrogen-Nitrite (N-NO ₂)	0.113 mg/L	0.107 mg/L	0.116 mg/L	0.113 mg/L	0.115 mg/L	0.365 mg/L
14	Faecal Coliform	3.6 MPN	3.6 MPN	7.2 MPN	11 MPN	20 MPN	20 MPN
15	Total Coliform	35 MPN	29 MPN	42 MPN	24 MPN	120 MPN	210 MPN

GENERAL PARAMETER

16	Turbidity	5 NTU	6 NTU	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	37.8 mg/L	37.8 mg/L	88.8 mg/L	64.2 mg/L	26.4 mg/L	94.5 mg/L
18	Chloride	7.0 mg/L	4.4 mg/L	8.8 mg/L	12.4 mg/L	66.4 mg/L	42.5 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.623 mg/L	0.714 mg/L	0.604 mg/L	0.540 mg/L	0.228 mg/L	3.374 mg/L
20	Total hardness as CaCO ₃	34.0 mg/L	30.0 mg/L	56 mg/L	60 mg/L	90 mg/L	110 mg/L
21	Calcium	8.0 mg/L	7.2 mg/L	12.0 mg/L	14.4 mg/L	26.4 mg/L	32.8 mg/L
22	Magnesium	3.3 mg/L	2.8 mg/L	6.2 mg/L	5.7 mg/L	5.7 mg/L	6.7 mg/L
23	Sodium	14 mg/L	14 mg/L	15 mg/L	16 mg/L	82 mg/L	94 mg/L
24	TDS	150 mg/L	130 mg/L	190 mg/L	170 mg/L	90 mg/L	70 mg/L
25	TSS	70 mg/L	50 mg/L	50 mg/L	70 mg/L	40 mg/L	40 mg/L
26	Phosphate, PO ₄ ³⁻	0.247 mg/L	0.271 mg/L	0.238 mg/L	0.227 mg/L	0.158 mg/L	1.148 mg/L