

Water Quality Data Monitored by Mizoram State Pollution Control Board April, 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	1.1 meter	0.8 meter	0.5 meter	0.4 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	0.9 m/s	1 m/s	0.7 m/s	0.9 m/s	N/A	N/A
6	Water Temperature	28°C	28°C	26°C	27°C	24°C	18°C
7	Dissolved Oxygen	7.2 mg/L	7.2 mg/L	6.1 mg/L	8.7 mg/L	5.9 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	7.62	7.69	8.19	5.27	6.69	8.13
11	Conductivity	188 µs/cm	193 µs/cm	823 µs/cm	428 µs/cm	341 µs/cm	813 µs/cm
12	BOD	0.5 mg/L	0.6 mg/L	0.7 mg/L	0.9 mg/L	0.6 mg/L	0.5 mg/L
13	Nitrogen-Nitrite (N-NO ₂)	0.1 mg/L	0.1 mg/L	0.1 mg/L	0.1mg/L	0.123 mg/L	0.105 mg/L
14	Faecal Coliform	0 MPN	0 MPN	0 MPN	3 MPN	3.6 MPN	10 MPN
15	Total Coliform	28 MPN	20 MPN	23 MPN	35 MPN	39 MPN	53 MPN

GENERAL PARAMETER

16	Turbidity	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	85.1 mg/L	81.1 mg/L	128.7 mg/L	132.6 mg/L	23.7 mg/L	297 mg/L
18	Chloride	15.4 mg/L	19.5 mg/L	17.4 mg/L	15.4 mg/L	74 mg/L	108.9 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.543 mg/L	0.798 mg/L	0.992 mg/L	0.965 mg/L	0.129 mg/L	1.178 mg/L
20	Total hardness as CaCO ₃	70 mg/L	72 mg/L	40 mg/L	46 mg/L	130 mg/L	226 mg/L
21	Calcium	17.6 mg/L	17.6 mg/L	10.4 mg/L	12 mg/L	40 mg/L	68 mg/L
22	Magnesium	6.2 mg/L	6.7 mg/L	3.3 mg/L	3.8 mg/L	2.4 mg/L	13.4 mg/L
23	Sodium	79.5 mg/L	82 mg/L	89 mg/L	91.5 mg/L	97 mg/L	95 mg/L
24	TDS	80 mg/L	90 mg/L	80 mg/L	70 mg/L	60 mg/L	70 mg/L
25	TSS	30 mg/L	50 mg/L	30 mg/L	30 mg/L	20 mg/L	50 mg/L
26	Phosphate, PO ₄ ³⁻	0.228 mg/L	0.302 mg/L	0.382 mg/L	0.371 mg/L	0.446 mg/L	0.453 mg/L