

Water Quality Data Monitored by Mizoram State Pollution Control Board October, 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	Rainy	Rainy	Rainy	Rainy	Rainy	Rainy
2	Depth of water body	2.5 meter	3 meter	1.2 meter	1 meter	1 meter	2 meter
3	Colour	Yellow	Yellow	Pale Yellow	Pale Yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	3 m/s	3.0 m/s	2.5 m/s	2.7 m/s	N/A	N/A
6	Water Temperature	23°C	23°C	24°C	24°C	21°C	21°C
7	Dissolved Oxygen	4.8 mg/L	3.7 mg/L	5.7 mg/L	5.4 mg/L	5.5 mg/L	2.4 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	7.52	7.47	7.62	7.7	6.5	7.07
11	Conductivity	393 us/cm	284 us/cm	336 us/cm	333 us/cm	165 us/cm	227 us/cm
12	BOD	1.0 mg/L	0.8 mg/L	1.3 mg/L	1.1 mg/L	1.0 mg/L	0.7 mg/L
13	Nitrogen-Nitrite (N-NO ₂)	0.113 mg/L	0.158 mg/L	0.120 mg/L	0.121 mg/L	0.124 mg/L	0.671 mg/L
14	Faecal Coliform	210 MPN	35 MPN	23 MPN	21 MPN	7.3 MPN	93 MPN
15	Total Coliform	2400 MPN	460 MPN	2400 MPN	460 MPN	1100 MPN	460 MPN

GENERAL PARAMETER

16	Turbidity	22 NTU	49 NTU	11 NTU	11 NTU	0 NTU	2 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	32.1 mg/L	37.8 mg/L	60.4 mg/L	66.1 mg/L	43.4 mg/L	170.1 mg/L
18	Chloride	6.2 mg/L	7.1 mg/L	8.9 mg/L	11.6 mg/L	53.6 mg/L	59.8 mg/L
19	Nitrogen Ammonia (N-NH ₃)	1.934 mg/L	2.588 mg/L	1.421 mg/L	1.186 mg/L	0.889 mg/L	2.998 mg/L
20	Total hardness as CaCO ₃	54 mg/L	46 mg/L	46 mg/L	50 mg/L	78 mg/L	146 mg/L
21	Calcium	12 mg/L	8.0 mg/L	10.4 mg/L	9.6 mg/L	20 mg/L	40 mg/L
22	Magnesium	5.7 mg/L	6.2 mg/L	4.8 mg/L	6.2 mg/L	6.7 mg/L	11 mg/L
23	Sodium	12 mg/L	15 mg/L	9 mg/L	9.5 mg/L	61 mg/L	71.5 mg/L
24	TDS	150 mg/L	180 mg/L	130 mg/L	110 mg/L	90 mg/L	80 mg/L
25	TSS	90 mg/L	80 mg/L	70 mg/L	80 mg/L	50 mg/L	40 mg/L
26	Phosphate, PO ₄ ³⁻	0.288 mg/L	0.409 mg/L	0.251 mg/L	0.192 mg/L	0.144 mg/L	0.103 mg/L