

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: MARCH, 2014**

Sl. No.	PARAMETER	RESULT					
		STATION CODE: 2050 Tlawng Upper Stream	STATION CODE: 2051 Tlawng Lower Stream	STATION CODE: 2052 Tuirial Upper Stream	STATION CODE: 2053 Tuirial Lower Stream	STATION CODE: 2054 Ramhlun North	STATION CODE: 2055 Mission Vengthlang
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body	0.7 meter	0.9 meter	0.6 meter	0.5 meter	0.5 meter	1 meter
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Pale yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.5 m/s	0.5 m/s	0.5 m/s	0.8 m/s	N/A	N/A
6	Water Temperature	18°C	18°C	20°C	19°C	16°C	15°C
7	Dissolved Oxygen	7.1 mg/L	7.6 mg/L	7.9 mg/L	6.8 mg/L	5.1 mg/L	2.1 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	7.25	7.6	8.01	8.34	8.52	7.28
11	Conductivity	168 us/cm	173 us/cm	198 us/cm	207 us/cm	252 us/cm	734 us/cm
12	Biochemical Oxygen Demand	mg/L	mg/L	1.9 mg/L	2.1 mg/L	2.3 mg/L	mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.271 mg/L	0.262 mg/L	0.267 mg/L	0.260 mg/L	0.264 mg/L	0.302 mg/L
14	Faecal Coliform	0	0	0	0	7.2	93
15	Total Coliform	210	120	43	150	460	1100

GENERAL PARAMETERS

16	Turbidity	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	71.4 mg/L	76.5 mg/L	93.5 mg/L	90.1 mg/L	107.1 mg/L	244 mg/L
18	Chloride	11.3 mg/L	9.8 mg/L	7.5 mg/L	7.5 mg/L	9.1 mg/L	87.2 mg/L
19	Nitrogen Ammonia (N-NH ₃)	1.231 mg/L	1.144 mg/L	1.562 mg/L	1.064 mg/L	1.117 mg/L	1.611 mg/L
20	Total hardness as CaCO ₃	64 mg/L	70 mg/L	70 mg/L	74 mg/L	76 mg/L	202 mg/L
21	Calcium	14.4 mg/L	18.4 mg/L	18.4 mg/L	19.2 mg/L	20 mg/L	62.4 mg/L
22	Magnesium	6.7 mg/L	5.7 mg/L	5.7 mg/L	6.2 mg/L	6.2 mg/L	11 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	120 mg/L	170 mg/L	160 mg/L	170 mg/L	110 mg/L	150 mg/L
25	Total Suspended Solids	70 mg/L	80 mg/L	70 mg/L	90 mg/L	40 mg/L	60 mg/L
26	Phosphate, PO ₄ ³⁻	0.148 mg/L	0.128 mg/L	0.157 mg/L	0.118 mg/L	0.110 mg/L	0.240 mg/L