

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: MARCH, 2013**

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	0.3 meter	0.8 meter	0.4 meter	0.5 meter	0.1 meter	1 meter
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.2 m/s	0.5 m/s	0.6 m/s	0.6 m/s	N/A	N/A
6	Water Temperature	22°C	20°C	22°C	22°C	19°C	18°C
7	Dissolved Oxygen	6.9 mg/L	6.9 mg/L	8.2 mg/L	7.9 mg/L	5.0 mg/L	1.2 mg/L
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Agriculture	Domestic	Domestic

CORE PARAMETERS

10	pH	8.66	8.69	8.42	8.53	7.89	8.73
11	Conductivity	24.0 us/cm	22.9 us/cm	17.3 us/cm	16.5 us/cm	13.2 us/cm	101.2 us/cm
12	Biochemical Oxygen Demand	2.1 mg/L	1.9 mg/L	2.7 mg/L	2.5 mg/L	1.6 mg/L	0.2 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.116 mg/L	0.141mg/L	0.121 mg/L	0.117 mg/L	0.122 mg/L	0.120 mg/L
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity	0.0 NTU	0.0 NTU	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃	76.8 mg/L	75.2mg/L	89.6 mg/L	88.0 mg/L	36.8 mg/L	203.2 mg/L
18	Chloride	9.3 mg/L	10.9 mg/L	19.4 mg/L	16.3 mg/L	62.3 mg/L	95.1 mg/L
19	Nitrogen Ammonia (N-NH ₃)	1.372mg/L	5.054 mg/L	4.336 mg/L	5.255mg/L	4.571 mg/L	5.996 mg/L
20	Total hardness as CaCO ₃	72.0 mg/L	72.0 mg/L	82.0 mg/L	90.0 mg/L	94.0 mg/L	210.0 mg/L
21	Calcium	25.6 mg/L	20.8 mg/L	20.0 mg/L	20.0 mg/L	17.6 mg/L	56.8 mg/L
22	Magnesium	1.9 mg/L	4.8 mg/L	7.6 mg/L	9.6 mg/L	12.0 mg/L	16.3 mg/L
23	Sodium	89.5 mg/L	68.0 mg/L	100.0 mg/L	92.0 mg/L	100.0 mg/L	100.0 mg/L
24	Total Dissolved Solids	130 mg/L	120 mg/L	130 mg/L	170 mg/L	90 mg/L	150 mg/L
25	Total Suspended Solids	60 mg/L	60 mg/L	80 mg/L	70mg/L	50 mg/L	70 mg/L
26	Phosphate, PO ₄ ³⁻	0.733	0.877 mg/L	0.626 mg/L	0.520mg/L	0.605 mg/L	0.709 mg/L