

**WATER QUALITY DATA UNDER NWMP, MIZORAM**  
**MONITORING PERIOD: APRIL, 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	0.5 meter	0.4 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	0.3m/s	0.4 m/s	0.5 m/s	0.4 m/s	N/A	N/A
6	Water Temperature	28°C	28°C	27°C	27°C	21°C	20°C
7	Dissolved Oxygen	10.9 mg/L	8.5 mg/L	9.8 mg/L	9.3 mg/L	5.9 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	8.69	8.7	8.8	8.85	7.48	8.75
11	Conductivity	34.1 us/cm	35.3 us/cm	53.6 us/cm	48.9 us/cm	55.1 us/cm	59.6 us/cm
12	Biochemical Oxygen Demand	3.0 mg/L	2.3 mg/L	2.2 mg/L	2.0 mg/L	1.3 mg/L	0.8 mg/L
13	Nitrogen- Nitrite (N-NO <sub>2</sub> )	0.087 mg/L	0.112mg/L	0.126 mg/L	0.112 mg/L	0.079 mg/L	0.082 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 <sub>3</sub> (Alkalinity)	77.2 mg/L	72.4mg/L	99.8 mg/L	103.0 mg/L	37.0 mg/L	201.2 mg/L
18	Chloride	8.6 mg/L	10.2 mg/L	19.6 mg/L	18.1 mg/L	66.8 mg/L	92.8 mg/L
19	Nitrogen Ammonia (N-NH <sub>3</sub> )	5.362 mg/L	5.043 mg/L	6.620 mg/L	5.331mg/L	2.196 mg/L	5.962 mg/L
20	Total hardness as CaCO <sub>3</sub>	76.0 mg/L	70.0 mg/L	92.0 mg/L	84.0 mg/L	90.0 mg/L	200.0 mg/L
21	Calcium	20.8 mg/L	17.6 mg/L	23.2 mg/L	21.6 mg/L	20.8 mg/L	53.6 mg/L
22	Magnesium	5.7 mg/L	6.2 mg/L	8.1 mg/L	7.2 mg/L	9.1 mg/L	15.8 mg/L
23	Sodium	91 mg/L	76.5 mg/L	84.0 mg/L	77.0 mg/L	74.0 mg/L	100.0 mg/L
24	Total Dissolved Solids	150 mg/L	170 mg/L	140 mg/L	190 mg/L	90 mg/L	110 mg/L
25	Total Suspended Solids	70 mg/L	90 mg/L	60 mg/L	90mg/L	40 mg/L	60 mg/L
26	Phosphate, PO <sub>4</sub> <sup>3-</sup>	0.805	0.594 mg/L	0.876 mg/L	0.550mg/L	0.457 mg/L	0.847 mg/L