

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
MONITORING PERIOD: DECEMBER, 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	1.5 meter	1.5 meter	0.8 meter	0.5 meter	1 meter	1 meter
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Pale Yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Bad Odour
5	Velocity of Flow	0.6 m/s	0.6 m/s	0.7 m/s	0.8 m/s	N/A	N/A
6	Water Temperature	20°C	20°C	20°C	20 °C	17°C	16°C
7	Dissolved Oxygen	8.0 mg/L	8.5 mg/L	8.7 mg/L	8.0 mg/L	6.3 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	6.86	6.71	7.01	6.61	6.89	7.11
11	Conductivity	286 us/cm	251 us/cm	277 us/cm	280 us/cm	296 us/cm	340 us/cm
12	Biochemical Oxygen Demand	1.5 mg/L	1.7 mg/L	1.9 mg/L	1.6 mg/L	1.2 mg/L	0.8 mg/L
13	Nitrogen- Nitrite (N-NO <sub>2</sub> )	0.144 mg/L	0.133 mg/L	0.139 mg/L	0.130 mg/L	0.112 mg/L	0.152 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 NTU	0 NTU	0 NTU	0 NTU	0 NTU	1 NTU
17	Carbonate as CaCO <sub>3</sub> (Alkalinity)	62.9 mg/L	59.5 mg/L	59.5 mg/L	64.6 mg/L	42.5 mg/L	170 mg/L
18	Chloride	15.1 mg/L	12.8 mg/L	10.6 mg/L	12.8 mg/L	9.1 mg/L	53.8 mg/L
19	Nitrogen Ammonia (N-NH <sub>3</sub> )	0.380 mg/L	0.372 mg/L	0.521 mg/L	0.540 mg/L	0.266 mg/L	0.467 mg/L
20	Total hardness as CaCO <sub>3</sub>	46.0 mg/L	40.0 mg/L	50 mg/L	60.0 mg/L	30 mg/L	150 mg/L
21	Calcium	8.8 mg/L	6.4 mg/L	10.4 mg/L	14.4 mg/L	6.4 mg/L	46.4 mg/L
22	Magnesium	5.7 mg/L	5.7 mg/L	5.7 mg/L	7.6 mg/L	3.3 mg/L	8.1 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	120 mg/L	160 mg/L	130 mg/L	150 mg/L	80 mg/L	110 mg/L
25	Total Suspended Solids	70 mg/L	90 mg/L	70 mg/L	90 mg/L	50 mg/L	50 mg/L
26	Phosphate, PO <sub>4</sub> <sup>3-</sup>	0.058 mg/L	0.079 mg/L	0.100 mg/L	0.034 mg/L	0.094 mg/L	0.099 mg/L