

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: JANUARY, 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	0.8 meter	1.1 meter	0.9 meter	0.5 meter	0.6 meter	1 meter
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.9 m/s	1.5 m/s	1.0 m/s	1.3 m/s	N/A	N/A
6	Water Temperature	19°C	19°C	19°C	19°C	16°C	16°C
7	Dissolved Oxygen	7.0 mg/L	6.7 mg/L	5.3mg/L	5.6 mg/L	3.8 mg/L	2.8 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	8.21	8.45	8.35	8.34	6.59	8.2
11	Conductivity	67 us/cm	64.6 us/cm	15.3 us/cm	14.3 us/cm	10.5 us/cm	63.2 us/cm
12	Biochemical Oxygen Demand	2.2 mg/L	1.8 mg/L	1.7 mg/L	2.0 mg/L	1.0 mg/L	0.9 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.367 mg/L	0.108 mg/L	0.371 mg/L	0.133 mg/L	0.140 mg/L	0.126 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 (Alkalinity)	204.0 mg/L	200.6mg/L	82.7 mg/L	88.0 mg/L	61.6 mg/L	207.6 mg/L
18	Chloride	108.0 mg/L	112.4 mg/L	12.9 mg/L	11.2 mg/L	6.9 mg/L	95.0 mg/L
19	Nitrogen Ammonia (N-NH ₃)	4.613 mg/L	0.665 mg/L	4.887 mg/L	0.684 mg/L	4.868 mg/L	7.273 mg/L
20	Total hardness as CaCO ₃	96.0 mg/L	90.0 mg/L	60.0 mg/L	64.0 mg/L	60 mg/L	224 mg/L
21	Calcium	20.0 mg/L	18.4 mg/L	12.8 mg/L	14.4 mg/L	12 mg/L	45.6 mg/L
22	Magnesium	11.0 mg/L	10.5 mg/L	6.7 mg/L	6.7 mg/L	7.2 mg/L	26.4 mg/L
23	Sodium	21.0 mg/L	16.5 mg/L	5 mg/L	5.0 mg/L	7.5 mg/L	36.0 mg/L
24	Total Dissolved Solids	110 mg/L	130 mg/L	110 mg/L	90 mg/L	80 mg/L	70 mg/L
25	Total Suspended Solids	60 mg/L	50 mg/L	60 mg/L	40 mg/L	50 mg/L	40 mg/L
26	Phosphate, PO ₄ ³⁻	0.087 mg/L	0.083 mg/L	1.520 mg/L	1.541mg/L	1.285 mg/L	0.127 mg/L