

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: FEBRUARY, 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	0.5meter	0.5 meter	0.5 meter	0.3 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	0.3 m/s	0.3 m/s	0.3 m/s	N/A	N/A
6	Water Temperature	19°C	19°C	18°C	18°C	16°C	15°C
7	Dissolved Oxygen	4.5 mg/L	4.2 mg/L	6.6mg/L	6.8 mg/L	7.3 mg/L	1.8 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	7.9	7.93	8.19	8.26	8.29	8.03
11	Conductivity	27.9 us/cm	27.4 us/cm	33.4 us/cm	33.3 us/cm	24.1 us/cm	10.9 us/cm
12	Biochemical Oxygen Demand	1.2 mg/L	1.4 mg/L	2.4 mg/L	2.5 mg/L	2.8 mg/L	1.2 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.141 mg/L	0.133 mg/L	0.137 mg/L	0.127 mg/L	0.112 mg/L	0.123 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)	73.5 mg/L	78.7mg/L	89.2 mg/L	96.2 mg/L	64.7 mg/L	218.7 mg/L
18	Chloride	12.9 mg/L	112.4 mg/L	9.5 mg/L	8.6 mg/L	8.6 mg/L	103.7 mg/L
19	Nitrogen Ammonia (N-NH ₃)	1.702 mg/L	1.680 mg/L	1.752 mg/L	0.068mg/L	0.057 mg/L	2.250 mg/L
20	Total hardness as CaCO ₃	86.0 mg/L	96.0 mg/L	64.0 mg/L	70.0 mg/L	64.0 mg/L	230.0 mg/L
21	Calcium	17.6 mg/L	20.0 mg/L	14.4 mg/L	20.8 mg/L	13.6 mg/L	49.6 mg/L
22	Magnesium	10.0 mg/L	11.0 mg/L	6.7 mg/L	4.3 mg/L	7.2 mg/L	25.4 mg/L
23	Sodium	17.5 mg/L	14.5 mg/L	22.5 mg/L	22.0 mg/L	8.5 mg/L	100.0 mg/L
24	Total Dissolved Solids	130 mg/L	160 mg/L	110 mg/L	140 mg/L	90 mg/L	100 mg/L
25	Total Suspended Solids	50 mg/L	70 mg/L	60 mg/L	70mg/L	40 mg/L	50 mg/L
26	Phosphate, PO ₄ ³⁻	0.31	0.083 mg/L	0.221 mg/L	0.118mg/L	0.082 mg/L	0.716 mg/L