

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: JUNE, 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	0.5 meter	2 meter	2.4 meter	1.8 meter	1 meter
3	Colour	Colourless	Colourless	Colourless	pale yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.8 m/s	0.3 m/s	1.0 m/s	1.0 m/s	N/A	N/A
6	Water Temperature	31°C	31°C	28°C	28°C	22°C	22°C
7	Dissolved Oxygen	6.1 mg/L	6.3 mg/L	5.2 mg/L	5.5 mg/L	3.2 mg/L	1.4 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	6.82	7.19	7.98	7.44	5.26	6.66
11	Conductivity	554 us/cm	626 us/cm	123 us/cm	114 us/cm	435 us/cm	533 us/cm
12	Biochemical Oxygen Demand	2.1 mg/L	2.2 mg/L	1.2 mg/L	1.4 mg/L	1.0 mg/L	0.6 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.126 mg/L	0.137 mg/L	0.121 mg/L	0.140 mg/L	0.136 mg/L	0.148 mg/L
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity	1 NTU	1 NTU	2 NTU	1 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	27.3 mg/L	30.7 mg/L	59.8 mg/L	53.0 mg/L	17.1 mg/L	171 mg/L
18	Chloride	6.1 mg/L	5.3 mg/L	5.3 mg/L	6.8 mg/L	57.4 mg/L	59.7 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.407 mg/L	0.578 mg/L	0.277 mg/L	0.403 mg/L	0.532 mg/L	3.192 mg/L
20	Total hardness as CaCO ₃	30.0 mg/L	30.0 mg/L	46.0 mg/L	44.0 mg/L	100.0 mg/L	140.0 mg/L
21	Calcium	5.6 mg/L	6.4 mg/L	9.6 mg/L	10.4 mg/L	29.6 mg/L	36.0 mg/L
22	Magnesium	3.8 mg/L	3.3 mg/L	5.2 mg/L	4.3 mg/L	6.2 mg/L	12.0 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	130 mg/L	170 mg/L	130 mg/L	150 mg/L	80 mg/L	90 mg/L
25	Total Suspended Solids	60 mg/L	80 mg/L	50 mg/L	70mg/L	50 mg/L	50 mg/L
26	Phosphate, PO ₄ ³⁻	0.027 mg/L	0.021 mg/L	0.068 mg/L	0.244 mg/L	0.035 mg/L	0.212 mg/L