

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: JULY, 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	Cloudy
2	Depth of water body	0.3 meter	0.4 meter	0.5 meter	0.5 meter	0.3 meter	1 meter
3	Colour	Yellow	Yellow	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.8 m/s	0.7 m/s	0.5 m/s	0.5 m/s	N/A	N/A
6	Water Temperature	28°C	28°C	27°C	27°C	22°C	22°C
7	Dissolved Oxygen	6.4 mg/L	6.3 mg/L	7.0 mg/L	6.9 mg/L	3.8 mg/L	3.6 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	7.04	7.09	8.12	8.03	5.85	6.66
11	Conductivity	60.1 us/cm	57.4 us/cm	87.7 us/cm	97.3 us/cm	248 us/cm	366 us/cm
12	Biochemical Oxygen Demand	2.2 mg/L	2.1mg/L	2.4 mg/L	2.3 mg/L	1.0 mg/L	0.9 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.118 mg/L	0.116 mg/L	0.119 mg/L	0.111 mg/L	0.112 mg/L	0.142 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	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	34.2 mg/L	35.9 mg/L	59.8 mg/L	54.7 mg/L	25.6 mg/L	148.7 mg/L
18	Chloride	7.0 mg/L	7.5 mg/L	7.5 mg/L	6.0 mg/L	49.3 mg/L	62.9 mg/L
19	Nitrogen Ammonia (N-NH ₃)	1.634 mg/L	1.740 mg/L	1.269 mg/L	1.296 mg/L	1.303 mg/L	2.687 mg/L
20	Total hardness as CaCO ₃	28.0 mg/L	30.0 mg/L	30.0 mg/L	46.0 mg/L	90.0 mg/L	150.0 mg/L
21	Calcium	5.6 mg/L	6.4 mg/L	11.2 mg/L	8.0 mg/L	24.0 mg/L	33.6 mg/L
22	Magnesium	3.3 mg/L	3.3 mg/L	5.2 mg/L	6.2 mg/L	7.2 mg/L	15.8 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	110 mg/L	130 mg/L	150 mg/L	170 mg/L	100 mg/L	90 mg/L
25	Total Suspended Solids	50 mg/L	60 mg/L	80 mg/L	70mg/L	40 mg/L	40 mg/L
26	Phosphate, PO ₄ ³⁻	0.028 mg/L	0.034 mg/L	0.027 mg/L	0.020 mg/L	0.147 mg/L	0.168 mg/L