

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: JUNE, 2014**

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	4 meter	4.5 meter	0.3 meter	0.4 meter	1 meter	1.5 meter
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.5 m/s	0.5 m/s	0.5 m/s	0.6 m/s	N/A	N/A
6	Water Temperature	31°C	30°C	28°C	28°C	22°C	21°C
7	Dissolved Oxygen	7.1 mg/L	7.1 mg/L	6.6 mg/L	6.8 mg/L	4.2 mg/L	2.5 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	7	7	7	7	8
11	Conductivity	767 us/cm	754 us/cm	113 us/cm	111 us/cm	100 us/cm	481 us/cm
12	Biochemical Oxygen Demand	1.7 mg/L	1.9 mg/L	1.7 mg/L	1.8 mg/L	1.1 mg/L	1.1 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.152 mg/L	0.144 mg/L	0.140 mg/L	0.127 mg/L	0.184 mg/L	0.184 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	0NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	54.4 mg/L	51 mg/L	71.4 mg/L	76.5 mg/L	76.5 mg/L	204 mg/L
18	Chloride	9.8 mg/L	7.5 mg/L	7.5 mg/L	7.5 mg/L	6 mg/L	75.8 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.346 mg/L	0.388 mg/L	0.319 mg/L	0.293 mg/L	0.547 mg/L	0.547 mg/L
20	Total hardness as CaCO ₃	50 mg/L	54 mg/L	76 mg/L	70 mg/L	60 mg/L	184 mg/L
21	Calcium	11.2 mg/L	11.2 mg/L	20 mg/L	18.6 mg/L	14.4 mg/L	55.2 mg/L
22	Magnesium	5.2 mg/L	6.2 mg/L	6.2 mg/L	6.2 mg/L	5.7 mg/L	11 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	130 mg/L	150 mg/L	160 mg/L	190 mg/L	90 mg/L	110 mg/L
25	Total Suspended Solids	60 mg/L	70 mg/L	80 mg/L	90 mg/L	50 mg/L	70 mg/L
26	Phosphate, PO ₄ ³⁻	0.048 mg/L	0.058 mg/L	0.116 mg/L	0.062 mg/L	0.125 mg/L	0.125 mg/L