

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: APRIL, 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	0.8 meter	0.9 meter	0.3 meter	0.5 meter	0.4 meter	0.6 meter
3	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.3 m/s	0.3 m/s	0.5 m/s	0.5 m/s	N/A	N/A
6	Water Temperature	28°C	28°C	23°C	23°C	19°C	18°C
7	Dissolved Oxygen	6.2 mg/L	6.1 mg/L	3.0 mg/L	2.8 mg/L	3.3 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	NA	NA	NA	NA	NA	NA
11	Conductivity	105 us/cm	100 us/cm	115 us/cm	112 us/cm	100 us/cm	516 us/cm
12	Biochemical Oxygen Demand	NA	NA	1 mg/L	0.7 mg/L	0.9 mg/L	NA
13	Nitrogen- Nitrite (N-NO ₂)	0.129 mg/L	0.116 mg/L	0.145 mg/L	0.137 mg/L	0.115 mg/L	0.162 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	0 NTU	0 NTU	0 NTU	0 NTU
17	Carbonate as CaCO ₃ (Alkalinity)	85 mg/L	79.9 mg/L	86.7 mg/L	93.5 mg/L	76.5 mg/L	229.5 mg/L
18	Chloride	7.5 mg/L	9.1 mg/L	15.1	11.3 mg/L	12.8 mg/L	91 mg/L
19	Nitrogen Ammonia (N-NH ₃)	0.418 mg/L	0.350 mg/L	0.369 mg/L	0.232 mg/L	0.467 mg/L	0.684 mg/L
20	Total hardness as CaCO ₃	86 mg/L	80 mg/L	92 mg/L	100 mg/L	110 mg/L	184 mg/L
21	Calcium	23.2 mg/L	22.4 mg/L	26.4 mg/L	36 mg/L	31.2 mg/L	54.4 mg/L
22	Magnesium	6.7 mg/L	5.7 mg/L	6.2 mg/L	7.2 mg/L	7.6 mg/L	11.5 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	150 mg/L	170 mg/L	160 mg/L	190 mg/L	110 mg/L	130 mg/L
25	Total Suspended Solids	70 mg/L	90 mg/L	60 mg/L	80 mg/L	60 mg/L	50 mg/L
26	Phosphate, PO ₄ ³⁻	0.104 mg/L	0.073 mg/L	0.114 mg/L	0.094 mg/L	0.109 mg/L	0.039 mg/L