

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: AUGUST, 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	0.5 meter	1 meter	1 meter	0.8 meter	1 meter
3	Colour	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Colourless	Colourless
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless
5	Velocity of Flow	0.8 m/s	0.7 m/s	1.5 m/s	1 m/s	N/A	N/A
6	Water Temperature	26°C	26°C	25°C	25°C	21°C	22°C
7	Dissolved Oxygen	5.7 mg/L	5.6 mg/L	5.7 mg/L	5.6 mg/L	3.6 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	6.81	7.13	7.35	7.67	5.79	6.66
11	Conductivity	208 us/cm	368 us/cm	573 us/cm	578 us/cm	203 us/cm	224 us/cm
12	Biochemical Oxygen Demand	1.3 mg/L	1.1 mg/L	1.2 mg/L	1.1 mg/L	1.0 mg/L	0.9 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.119 mg/L	0.117 mg/L	0.121 mg/L	0.121 mg/L	0.140 mg/L	0.128 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)	25.5 mg/L	30.6 mg/L	51 mg/L	47.6 mg/L	34 mg/L	110.5 mg/L
18	Chloride	4.5 mg/L	6.0 mg/L	8.3 mg/L	9.8 mg/L	47.7 mg/L	41.7 mg/L
19	Nitrogen Ammonia (N-NH ₃)	1.094 mg/L	0.825 mg/L	0.828 mg/L	1.205 mg/L	0.798 mg/L	3.272 mg/L
20	Total hardness as CaCO ₃	30.0 mg/L	34.0 mg/L	44.0 mg/L	40.0 mg/L	90.0 mg/L	100.0 mg/L
21	Calcium	8.0 mg/L	8.8 mg/L	11.2 mg/L	20.4 mg/L	25.6 mg/L	27.2 mg/L
22	Magnesium	2.4 mg/L	2.8 mg/L	3.8 mg/L	3.3 mg/L	6.2 mg/L	7.6 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	130 mg/L	150 mg/L	170 mg/L	190 mg/L	90 mg/L	110 mg/L
25	Total Suspended Solids	70 mg/L	80 mg/L	90 mg/L	90mg/L	50 mg/L	70 mg/L
26	Phosphate, PO ₄ ³⁻	0.103 mg/L	0.087 mg/L	0.110 mg/L	0.110 mg/L	0.085 mg/L	0.281 mg/L