

**WATER QUALITY DATA UNDER NWMP, MIZORAM  
MONITORING PERIOD: SEPTEMBER, 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	0.3 meter	1 meter	0.5 meter	1 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	0.5 m/s	0.5 m/s	0.8 m/s	0.8 m/s	N/A	N/A
6	Water Temperature	28°C	28°C	26°C	26°C	21°C	22°C
7	Dissolved Oxygen	6.4 mg/L	6.6 mg/L	7.0 mg/L	6.6 mg/L	4.4 mg/L	2.6 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	6.55	6.65	7.63	7.25	5.46	6.67
11	Conductivity	287 us/cm	276 us/cm	59.1 us/cm	57.3 us/cm	215 us/cm	280 us/cm
12	Biochemical Oxygen Demand	1.2 mg/L	1.4 mg/L	1.8 mg/L	1.4 mg/L	1.0 mg/L	0.9 mg/L
13	Nitrogen- Nitrite (N-NO <sub>2</sub> )	0.132 mg/L	0.135 mg/L	0.137 mg/L	0.145 mg/L	0.109 mg/L	0.139 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	1 NTU	1 NTU	0 NTU	0 NTU
17	Carbonate as CaCO <sub>3</sub> (Alkalinity)	67.6 mg/L	72.6 mg/L	50.7 mg/L	45.6 mg/L	25.3 mg/L	177.4 mg/L
18	Chloride	8.3 mg/L	9.8 mg/L	5.3 mg/L	7.5 mg/L	45.5 mg/L	53.1 mg/L
19	Nitrogen Ammonia (N-NH <sub>3</sub> )	3.610 mg/L	3.545 mg/L	3.245 mg/L	3.496 mg/L	1.357 mg/L	4.055 mg/L
20	Total hardness as CaCO <sub>3</sub>	26.0 mg/L	30.0 mg/L	40.0 mg/L	44.0 mg/L	90.0 mg/L	146 mg/L
21	Calcium	4.8 mg/L	6.4 mg/L	8.8 mg/L	9.6 mg/L	25.6 mg/L	44.0 mg/L
22	Magnesium	3.3 mg/L	3.3 mg/L	4.3 mg/L	4.8 mg/L	6.2 mg/L	8.6 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	130 mg/L	170 mg/L	150 mg/L	190 mg/L	110 mg/L	130 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 <sub>4</sub> <sup>3-</sup>	0.271 mg/L	0.592 mg/L	0.453 mg/L	0.581 mg/L	0.254 mg/L	0.235 mg/L