

**Water Quality Data Monitored by Mizoram State Pollution Control Board**  
**April - June, 2009**

SI. No.	PARAMETER	RESULT					
		STATION CODE: 2050 River Tlawng, Upstream	STATION CODE: 2051 River Tlawng, Downstream	STATION CODE: 2052 River Tuirial, Uppercatchment	STATION CODE: 2053 River Tuirial, Lowercatchment	STATION CODE: 2054 Ramhlun North Tuikhur ( Spring Water )	STATION CODE: 2055 Mission Vengthlang Tuikhur (Spring Water)
1	Velocity of Flow	1.8 m/s	2.7 m/s	1.4 m/s	1.2 m/s	N/A	N/A
2	Water Temperature	27.0°C	27.0 °C	28.0 °C	27.0 °C	23.0 °C	22.0 °C
3	Dissolved Oxygen	7.6 mg/l	8.2 mg/l	9.2 mg/l	9.5 mg/l	3.7 mg/l	4.6 mg/l
4	pH	8.2	8.6	8	8.1	6.9	6.9
5	Conductivity	491 µs/cm	495 µs/cm	411 µs/cm	395 µs/cm	410 µs/cm	683 µs/cm
6	BOD	0.9 mg/l	1.3 mg/l	1.7 mg/l	2.0 mg/l	2.6 mg/l	2.5 mg/l
7	Nitrogen-Nitrite (N-NO <sub>2</sub> )	0.184 mg/l	0.227 mg/l	0.170 mg/l	0.179 mg/l	0.241 mg/l	0.263 mg/l
8	Total Coliform	3.6 MPN	3 MPN	7.3 MPN	11 MPN	10 MPN	11 MPN
9	Alkalinity	120.0 mg/l	112.2 mg/l	169.6 mg/l	143.5 mg/l	31.3 mg/l	148.7 mg/l
10	Turbidity	0.00 NTU	0.00 NTU	2.0 NTU	2.0 NTU	0.00 NTU	1.0 NTU
11	Chloride	12.2 mg/l	13.2 mg/l	53.0 mg/l	53.0 mg/l	70.3 mg/l	99.9 mg/l
12	Nitrogen Ammonia (N-NH <sub>3</sub> )	0.030 mg/l	0.095 mg/l	0.277 mg/l	0.201 mg/l	0.178 mg/l	0.106 mg/l
13	Total hardness as CaCO <sub>3</sub>	78 mg/l	80 mg/l	114 mg/l	110 mg/l	58 mg/l	162 mg/l
14	Calcium	10.4 mg/l	12.0 mg/l	12.0 mg/l	15.2 mg/l	8.0 mg/l	43.2 mg/l
15	Magnesium	12.4 mg/l	12.0 mg/l	20.1 mg/l	17.2 mg/l	9.1 mg/l	12.9 mg/l
16	TDS	480 mg/l	490 mg/l	408 mg/l	390 mg/l	405 mg/l	671 mg/l
17	TSS	410 mg/l	290 mg/l	50 mg/l	210 mg/l	230 mg/l	470 mg/l
18	Phosphate, PO <sub>4</sub> <sup>3-</sup>	0.022 mg/l	0.004 mg/l	0.059 mg/l	0.015 mg/l	0.469 mg/l	0.038 mg/l
19	Sodium	16.0 mg/l	17.0 mg/l	42.5 mg/l	42.5 mg/l	52.0 mg/l	65.5 mg/l