

**Water Quality Data of 9 (NINE) Polluted River
stretches in Mizoram
(OA - No. 673 of 2018)**

**AUGUST
2022**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF AUGUST 2022

Sl. No.	Station Code	Name of Station	Location	Co-Ordinates			A. STATIONS DETAILS													
							Sampling Date	Sampling Time	Used Based Class	Major Polluting Sources	Visibility Effluent Discharge	Use of water in Down Stream (irrigation, industrial, domestic, drinking water source, organised water source, cultivation, fishing, bathing ghat, others)	Weather	Depth of Water Body (m)	Human activities (Bathing, Washing, Cultivation, Fishing, Boating, Gardening, Tourist spot, cattle wedding, others)	Floating matter	Colour	Odour	Flow (m/s)	
				Longitude	Latitude	Elevation	1	2	3	4	5	6	7	8	9	10	11	12	13	
1	3756	Tiau River	Near Boundary Tiau Bridge, Zokhawthar Village, Champhai District, Mizoram	93°23'31.0"E	23°21'42.8"N	720m	12-08-2022	11.00		Domestic				Clear	1.7	Washing		Pale Yellow	Odourless	0.52
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	01-08-2022	1.00		Agriculture				Clear	1.3			Pale Yellow	Odourless	0.5
	3734	Tlawng River, Upper Stream, Lunglei	Near Tlawng Bridge, Mausem Village, Lunglei District, Mizoram	92°49'15.0"E	22°51'21.2"N	1080m	09-08-2022	11.20		Agriculture		Domestic		Clear	0.9	Washing, Domestic Purpose		Clear	Odourless	0.3
	3736	Tlawng River, Pialthleng, Zotlang, Lunglei	Near P.H.E Water Treatment Plant, Zotlang, Lunglei District, Mizoram	92°45'45.7"E	22°56'53.5"N	800m	09-08-2022	1.45		Agriculture		Drinking Water Source		Clear	3.1	Dwelling, Vehicular Movement		Clear	Odourless	0.2
	3754	Tlawng River, Downstream, Bairabi	Bairabi Village, Kolasib District, Mizoram	92°32'14.3"E	24°10'44.7"N	40m	21-08-2022	1.15		Agriculture		Domestic		Clear	3	Sand Collection		Pale Yellow	Odourless	3
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	12-08-2022	11.30		Agriculture		Drinking Water Source		Clear	1.5			Pale Yellow	Odourless	0.38
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	21-08-2022	11.45		Agriculture		Domestic		Clear	1.3	Washing & Bathing		Clear	Odourless	0.05
5	3718	Chite River	Near Mini Sports Complex, Armed Veng, Aizawl, Mizoram	92°44'17.5"E	23°43'59.2"N	680m	02-08-2022	11.00		Domestic				Cloudy	0.3			Pale Yellow	Odourless	0.3
6	3735	Mat River	Near Mat Bridge, Dawn Village, Lunglei District, Mizoram	92°52'19.7"E	22°53'58.4"N	380m	09-08-2022	9.30		Agriculture		Washing, Domestic Purpose		Clear	2.5	Plantation, Gardening		Pale Yellow	Odourless	0.8
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	20-08-2022	1.46		Domestic		Drinking Water Source		Cloudy	0.6	Wasing		Clear	Odourless	0.3
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	23-08-2022	12.45		Domestic				Clear	1			Clear	Odourless	0.5
9	2052	Tuirial U/s, Aizawl	Tuirial Village, upstream of Tuirial Bridge	92°47'58.25"E	23°43'8.99"N	187m	02-08-2022	12.30		Agriculture				Clear	2	Fishing		Pale Yellow	Odourless	0.5
	2053	Tuirial L/s Aizawl	Tuirial Village, downstream of Tuirial Bridge	92°47'57.92"E	23°43'5.22"N	185m	02-08-2022	12.45		Agriculture				Clear	2	Fishing		Pale Yellow	Odourless	0.5

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF AUGUST, 2022**

Sl.No	Station Code	B. CORE PARAMETERS								C. GENERAL PARAMETERS											
		Water Temp (°C)	D.O (mg/L)	pH	Conductivity µs/cm	B.O.D (mg/L)	Nitrogen Nitrite (N-NO ₂) (mg/L)	Faecal Coliform MPN	Total Coliform MPN	Turbidity NTU	Total Alkalinity (mg/L)	Chlorides (mg/L)	Ammonia-N (mg/L)	Total Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	K (mg/L)	TDS (mg/L)	TSS (mg/L)	Total Phosphate (mg/L)
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1	3756	18	5.8	7.5	141	0.38	0.015	35	2400	15.1	86	24.7	0.289	66	20	3.8	3		120	20	0.124
2	3709	25	8.9	7.6	127	0.9	0.049	16	2400	100	100	18.3	0.882	36	7.2	4.3	2.5		110	20	0.251
	3734	24	7	6.7	143	1.1	0.015	21	1100	4.8	40	14	0.285	18	4.8	1.4	1.5		80	20	0.097
	3736	26	7.3	7.2	162	1.1	0.012	29	2400	3.8	40	40	0.22	48	12.8	3.8	3		90	20	0.099
	3754	24	7.7	8.2	92	1.3	0.042	27	1100	11.5	60	14	0.832	40	9.6	3.8	0.5		90	20	0.193
3	3757	17.5	5.5	6.9	152	0.25	0.021	20	1100	9.1	40	14	0.319	32	8.8	2.4	2		140	40	0.13
4	3720	24	8.4	7.2	73	1.2	0.016	7.3	460	5.2	80	11.8	0.353	32	6.4	3.8	2.5		60	10	0.106
5	3718	25	5.7	7.8	191	3.6	0.862	15	2400	30.4	116	60.2	0.836	124	44	3.4	13		120	40	0.266
6	3735	25	7	6.5	135	1	0.016	9	460	62.5	36	10.7	0.334	16	4.8	1	1		110	30	0.109
7	3740	24	8.1	6.9	84	1	0.013	12	460	4.8	50	21.5	0.323	32	4	5.3	1.5		60	10	0.124
8	3712	25	5.3	8.2	202	1.4	0.018	44	2400	5.9	104	33.3	0.289	70	20.8	4.3	5		60	10	0.13
9	2052	26	6.2	8	106	1.8	0.045	20	2400	30.9	70	18.3	0.676	50	10.4	5.8	4		80	20	0.202
	2053	25	5.7	7.8	112	1.02	0.052	20	2400	34.2	74	20.4	0.806	52	11.2	5.8	4		90	20	0.216