

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

**September  
2020**



**MIZORAM STATE POLLUTION CONTROL BOARD**

**DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF SEPTEMBER, 2020**

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	11-09-2020	11.00		Domestic			Clear	1.5	Washing		Pale Yellow	Odour free	0.3
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	22-09-2020	12.15		Agriculture			Clear	2.3	Sand collection		Pale Yellow	Odour free	0.4
	3734	Tlawng River, Upper Stream, Lunglei	Near Tlawng Bridge, Mausen Village, Lunglei District, Mizoram	92°49'15.0"E	22°51'21.2"N	1080m	14-09-2020	2.30		Agriculture		Washing, Bathing	Clear	1.5	Washing, Domestic Purpose		Pale Yellow	Odour free	1.3
	3736	Tlawng River, Palthleng, Zotlang, Lunglei	Near P.H.E Water Treatment Plant, Zotlang, Lunglei Distirct, Mizoram	92°45'45.7"E	22°56'53.5"N	800m	14-09-2020	3.45		Agriculture		Drinking Water Source	Clear	3.6	Fishing		Clear	Odour free	0.4
	3754	Tlawng River, Downstream, Bairabi	Bairabi Village, Kolasib District, Mizoram	92°32'14.3"E	24°10'44.7"N	40m	21-09-2020	2.30		Agriculture			Clear	2	Fishing		Pale Yellow	Odour free	0.6
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	11-09-2020	11.30		Agriculture		Drinking Water Source	Clear	2.1			Pale Yellow	Odour free	0.2
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	21-09-2020	1.45		Agriculture			Clear	1.5	Washing & Bathing	0.8	Dark Brown	Odour free	1.5
5	3718	Chite River	Near Mini Sports Complex, Armed Veng, Aizawl, Mizoram	92°44'17.5"E	23°43'59.2"N	680m	01-09-2020	11.30		Domestic			Clear	0.3			Pale Yellow	Odour free	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	14-09-2020	9.30		Agriculture		Washing, Domestic Purpose	Clear	2.8	Plantation, Gardening		Pale Yellow	Odour free	1.5
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	12-09-2020	12.00		Domestic		Drinking Water Source	Clear	0.2	Washing		Clear	Odour free	1.2
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	08-09-2020	2.00		Domestic			Clear	1.8			Clear	Odour free	N/A
9	2052	Tuirial U/s, Aizawl	Tuirial Village, upstream of Tuirial Bridge	92°47'58.25"E	23°43'8.99"N	187m	07-09-2020	12.00		Agriculture			Clear	2	Fishing		Pale Yellow	Odour free	0.3
	2053	Tuirial L/s Aizawl	Tuirial Village, downstream of Tuirial Bridge	92°47'57.92"E	23°43'5.22"N	185m	07-09-2020	12.30		Agriculture			Clear	2	Fishing		Pale Yellow	Odour free	0.3

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES  
FOR THE MONTH OF SEPTEMBER, 2020**

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 <sub>2</sub> ) (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)	TSS (mg/L)	TDS (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	19	1.5	7	259	0.76	0.014			34	47.9	9.3	0.562	70	19.2	5.3	2	0.5	30	325	0.114
2	3709	26	7.8	7.42	78	1.5	0.026	1100	2400	57.6	42.8	8.4	0.452	24	7.2	1.4	0.5	0			0.123
	3734	26	7.2	6.57	43	1.1	0.012			38	22.3	9.3	0.479	24	5.6	2.4	1	0	20	487	0.089
	3736	25	6.9	6.94	84	0.6	0.012			1.9	37.7	12.1	0.255	48	12	4.3	0.5	0	30	225	0.048
	3754	29	4.3	6.38	115	0.9	0.037			116.8	54.8	9.3	0.547	52	12	5.3	1	0	20	427	0.151
3	3757	19	7.4	5.87	58	0.76	0.009			22	36	14.9	0.262	40	8.8	4.3	0.5	0	29	375	0.048
4	3720	23	9.5	7.6	61	0.9	0.036			74	3.8	7.4	0.661	22	5.6	1.9	0.5	0	31	329	0.157
5	3718	29	6.4	8.02	538	2	0.841	35	2400	13.5	142.1	71.6	0.908	144	44.8	7.7	3.5	1	13	335	0.048
6	3735	27	7.1	6.12	56	1.1	0.015			36	20.5	7.4	0.479	20	4.8	1.9	0	0	18	90	0.075
7	3740	24	8.8	7.07	86	0.5	0.008			1.7	27.4	8.4	0.232	20	4.8	1.9	0.5	0	21	174	0.049
8	3712	26	4.9	7.9	102	0.8	0.006	1100	2400	5	46.2	13.9	0.274	46	11.2	4.3	0.5	0			0.056
9	2052	26	4.2	8	126	0.8	0.015	1100	2400	23	37.7	9.3	0.342	40	9.6	3.8	2	0			0.076
	2053	26	5.1	7.8	115	0.8	0.024	1100	290	25	36	10.2	0.296	40	10.4	3.4	1	0			0.092