

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

**DECEMBER
2020**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF DECEMBER, 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	09-12-2020	10.20		Domestic			Clear	1.1	Washing		Pale Yellow	Odour free	0.53
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	07-12-2020	11.45		Agriculture			Clear	1	Sand collection		Pale Yellow	Odour free	0.4
	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	08-12-2020	1.45		Agriculture	Washing, Bathing		Clear	1	Washing, Domestic Purpose		Clear	Odour free	0.8
	3736	Tlawng River, Palthleng, Zotlang, Lunglei	Near P.H.E Water Treatment Plant, Zotlang, Lunglei District, Mizoram	92°45'45.7"E	22°56'53.5"N	800m	08-12-2020	2.50		Agriculture	Drinking Water Source		Clear	3	Fishing		Clear	Odour free	0.2
	3754	Tlawng River, Downstream, Bairabi	Bairabi Village, Kolasib District, Mizoram	92°32'14.3"E	24°10'44.7"N	40m	01-12-2020	2.30		Agriculture			Clear	1	Fishing		Brown	Odour free	0.4
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	09-12-2020	11.30		Agriculture	Drinking Water Source		Clear	2.1			Pale Yellow	Odour free	0.3
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	07-12-2020	1.25		Agriculture	Washing & bathing		Clear	0.3	Traffic Movement		Clear	Odour free	0.3
5	3718	Chite River	Near Mini Sports Complex, Armed Veng, Aizawl, Mizoram	92°44'17.5"E	23°43'59.2"N	680m	14-12-2020	11.15		Domestic			Clear	0.1			Pale Yellow	Odour free	0.4
6	3735	Mat River	Near Mat Bridge, Dawn Village, Lunglei District, Mizoram	92°52'19.7"E	22°53'58.4"N	380m	08-12-2020	9.30		Agriculture	Washing, Domestic Purpose		Clear	1.9	Plantation, Gardening		Clear	Odour free	0.9
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	14-12-2020	11.00		Domestic	Drinking Water Source		Clear	0.2	Washing		Clear	Odour free	0.7
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	08-12-2020	12.20		Domestic			Clear	0.6			Clear	Odour free	0.3
9	2052	Tuirial U/s, Aizawl	Tuirial Village, upstream of Tuirial Bridge	92°47'58.25"E	23°43'8.99"N	187m	01-12-2020	12.45		Agriculture			Clear	2	Fishing		Pale Yellow	Odour free	0.5
	2053	Tuirial L/s Aizawl	Tuirial Village, downstream of Tuirial Bridge	92°47'57.92"E	23°43'5.22"N	185m	01-12-2020	1.07		Agriculture			Clear	2	Fishing		Pale Yellow	Odour free	0.5

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF DECEMBER, 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 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	10	5.4	6.6	128	0.396	0.017	39	1100	2.9	72.9	18.6	0.475	50	9.6	6.2	2	0.5	70	10	0.104
2	3709	22	6.9	6.98	110	0.9	0.014	2400	2400	3.3	62.5	18.6	0.357	54	12.8	5.3	1	0	70	10	0.086
	3734	20	7.4	7.2	80	1.8	0.039	12	1100	2.2	39.6	7.4	0.372	30	7.2	2.9	1.5	0	20	10	0.041
	3736	21	7.7	7.51	81	1	0.012	39	2400	0.9	47.9	10.2	0.372	26	7.2	1.9	1.5	0	40	10	0.056
	3754	20	5.2	7.93	141	1	0.028	15	2400	14	52.1	9.3	0.502	48	12	4.8	1	0	50	10	0.166
3	3757	9.5	5.8	7	67	0.5	0.005	16	1100	1.1	41.7	8.4	0.445	42	12.8	2.4	2.5	1	60	10	0.061
4	3720	15	8	7.6	92	0.8	0.009	3.6	160	1.8	29.2	8.4	0.38	20	4.8	1.9	1	0	60	10	0.052
5	3718	20	6.4	7.74	509	2	0.518	1100	2400	5.2	302.1	74.4	8.303	160	40	14.4	3	1	380	40	0.262
6	3735	23	7.9	7.39	71	1.1	0.01	9	120	1.8	31.3	8.4	0.372	10	2.4	1	0.5	0	50	10	0.079
7	3740	18	7.6	7.2	536	0.8	0.007	6	93	3	25	9.3	0.657	20	5.6	1.4	2	0.5	20	10	0.075
8	3712	19	8.4	8.63	231	1.5	0.013	1100	2400	1.6	66.7	23.2	0.353	70	20	4.8	2	0.5	30	10	0.072
9	2052	21	5.4	8.15	138	1.4	0.019	1100	2400	8.1	41.7	9.3	0.707	36	8	3.8	1.5	0.5	60	10	0.255
	2053	21	5.9	8.04	141	1.65	0.011	1100	2400	6.5	41.7	9.3	0.768	24	5.6	2.4	1.5	0.5	80	10	0.075