

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

**JULY
2020**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF JULY, 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)	
							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	15-07-2020	11.30		Domestic				Clear	1	Washing		Pale Yellow	Odour free	3.4
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	13-07-2020	12.43		Agriculture				Clear	1.4	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	13-07-2020	2.30		Agriculture		Washing, Bathing		Clear	1.3	Washing, Domestic Purpose		Pale Yellow	Odour free	1
	3736	Tlawng River, Pialthleng, Zotlang, Lunglei	Near P.H.E Water Treatment Plant, Zotlang, Lunglei Distirct, Mizoram	92°45'45.7"E	22°56'53.5"N	800m	13-07-2020	3.35		Agriculture		Drinking Water Source		Clear	3.4	Fishing		Clear	Odour free	0.3
	3754	Tlawng River, Downstream, Bairabi	Bairabi Village, Kolasib District, Mizoram	92°32'14.3"E	24°10'44.7"N	40m	08-07-2020	2.30		Agriculture				Clear	2	Fishing		Pale Yellow	Odour free	0.7
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	15-07-2020	3.10		Agriculture		Drinking Water Source		Clear	2.1			Pale Yellow	Odour free	3.1
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	20-07-2020	1.45		Agriculture		Washing, Bathing		Clear	1.3	Washing & Bathing	Sludge	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	08-07-2020	11.15		Domestic				Clear	0.3			Pale Yellow	Odour free	0.5
6	3735	Mat River	Near Mat Bridge, Dawn Village, Lunglei District, Mizoram	92°52'19.7"E	22°53'58.4"N	380m	13-07-2020	10.15		Agriculture		Washing, Domestic Purpose		Clear	2.5	Plantation, Gardening		Pale Yellow	Odour free	1.3
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	09-07-2020	3.00		Domestic		Drinking Water Source		Clear	1.5			Pale yellow	Odour free	0.4
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	27-07-2020	12.25		Domestic				Cloudy	0.8			Pale Yellow	Odour free	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	27-07-2020	12.40		Agriculture				Clear	1.1	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	27-07-2020	12.50		Agriculture				Clear	1.2	Fishing		Pale Yellow	Odour free	0.6

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF JULY, 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)	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
1	3756	22	8.9	8.7	50	2.1	0.037			5.6	54.8	11.2	0.182	76	20	6.2	1	0		0.092
2	3709	28	6.5	7.81	73	1.1	0.04	53	2400	125.6	54.8	8	0.836	30	8	2.4	0	0		0.186
	3734	27	7.9	7.71	50	2.6	0.007			12	20.5	13.9	0.152	14	3.2	1.4	0	0		0.062
	3736	25	7	7.72	84	1.9	0.006			2.1	25.7	8.4	0.137	20	4.8	1.9	0.5	0		0.038
	3754	30	5.6	7.1	112	1.1	0.035			34	42.8	8.4	0.851	42	10.4	3.8	0.5	0		0.257
3	3757	22	8.3	9.2	86	2.8	0.017			11	42.8	18.6	0.179	34	8.8	2.9	0.5	0		0.054
4	3720	24	9.2	7.8	68	1.8	0.012			14	3.8	8.4	0.285	22	5.6	1.9	0.5	0		0.079
5	3718	29	4.5	8.05	600	2	0.599	53	1100	10.7	154.1	73.5	2.06	144	45.6	7.2	1	0		0.044
6	3735	26	7	6.84	28	2.8	0.006			5	29.1	9.3	0.133	16	4	1.4	0	0		0.049
7	3740	23	5.8	7.36	25	2.4	0.011			2.5	37.7	10.2	0.099	26	6.4	2.4	0	0		0.073
8	3712	22	6.4	7.85	88	0.3	0.012	29	2400	35	68.5	18.6	0.3	72	17.6	6.7	0.5	0		0.68
9	2052	29	4.5	8.05	600	2	0.599	53	1100	10.7	154.1	73.5	2.06	144	45.6	7.2	1	0		0.044
	2053	26	5.5	8.47	125	0.7	0.015	53	2400	11	51.4	11.2	0.133	40	8.8	4.3	1.5	0		0.089