

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

**NOVEMBER
2020**



MIZORAM STATE POLLUTION CONTROL BOARD

DETAILS OF POLLUTED LOCATIONS & RESULTS OF FIELD PARAMETERS FOR THE MONTH OF NOVEMBER, 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	14-11-2020	10.20		Domestic			Clear	1.12	Washing		Pale Yellow	Odour free	1.22
2	3709	Tlawng River, Sairang	Sairang Village, Aizawl District, Mizoram	92°39'10"E	23°48'49"N	80m	12-11-2020	12.13		Agriculture			Clear	3	Sand collection		Pale Yellow	Odour free	0.5
	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	19-11-2020	1.45		Agriculture		Washing, Bathing	Clear	1	Washing, Domestic Purpose		Clear	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	19-11-2020	2.30		Agriculture		Drinking Water Source	Clear	3.1	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	15-11-2020	2.30		Agriculture			Clear	2	Fishing		Brown	Odour free	0.2
3	3757	Tuipui River	Near P.H.E Treatment Plant, Champhai District, Mizoram	93°16'27"E	23°30'18.8"N	800m	14-11-2020	11.30		Agriculture		Drinking Water Source	Clear	2.12			Pale Yellow	Odour free	0.4
4	3720	Tuivawl River	Near Tuivawl Bridge, Seling Village, Aizawl District, Mizoram	93°2'6"E	23°38'31"N	500m	18-11-2020	2.45		Agriculture		Washing, Bathing	Clear	0.3	Traffic Movemnet		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	10-11-2020	12.02		Domestic			Clear	0.09			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	19-11-2020	9.45		Agriculture		Washing, Domestic Purpose	Clear	2	Plantation, Gardening		Pale Yellow	Odour free	1
7	3740	Saikah stream	Saikah Village, Lawngtlai, Mizoram	92°53'40.1"E	22°27'21.3"N	800m	19-11-2020	11.00		Domestic		Drinking Water Source	Clear	0.52			Clear	Odour free	0.2
8	3712	Tuikual Stream	Near PHE Water Treatment Plant, Reiek Kai, Aizawl District, Mizoram	92°39'46"E	23°42'57"N	270m	22-11-2020	12.20		Domestic			Clear	0.7			Clear	Odour free	0.7
9	2052	Tuirial U/s, Aizawl	Tuirial Village, upstream of Tuirial Bridge	92°47'58.25"E	23°43'8.99"N	187m	17-11-2020	12.10		Agriculture			Clear	1.5	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	17-11-2020	12.30		Agriculture			Clear	1.5	Fishing		Pale Yellow	Odour free	0.5

**WATER QUALITY DATA OF 9(NINE) POLLUTED RIVER STRETCHES
FOR THE MONTH OF NOVEMBER, 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	14.5	4.97	7.2	127	0.56	0.021	23	1100	63	52.1	8.4	0.353	42	9.6	4.3	2.5	0.5	170	110	0.096
2	3709	26	8.4	8.08	156	1.2	0.038	210	2400	16.7	72.9	9.3	0.574	54	12.8	5.3	1	0	160	130	0.13
	3734	24	7.3	6.5	58	1.6	0.042	12	1100	2.8	31.3	9.3	0.509	28	8	1.9	1	0			0.034
	3736	24	7.4	6.98	72	1.1	0.017	39	2400	1.5	35.4	11.2	0.448	26	7.2	1.9	0.5	0			0.121
	3754	25	5.1	7.74	138	1.6	0.024	15	2400	32	52.1	9.3	0.422	48	12	4.8	1	0	150	110	0.192
3	3757	14	4.52	8.83	151	0.68	0.015	20	1100	14.3	43.8	12.1	0.285	46	12	3.8	1.5	0.5	70	40	0.059
4	3720	20	7.8	7.3	76	1.6	0.01	3.6	160	2	3.8	9.3	0.205	28	8	1.9	1.5	0.5	110	40	0.061
5	3718	26	4.4	8.07	425	1.1	0.144	120	2400	4.3	168.8	67	0.281	94	26.4	6.7	4.5	1	130	70	0.313
6	3735	24	7.1	6.2	31	1.7	0.046	9	120	9.3	20.8	6.5	0.551	10	2.4	1	0	0			0.045
7	3740	18	5.9	6.37	54	1.3	0.015	6	93	1.1	25	7.4	0.79	20	5.6	1.4	0.5	0			0.141
8	3712	20	6.3	8.6	210	1.5	0.017	210	2400	2.8	66.7	23.2	0.483	70	20	4.8	2	0			0.159
9	2052	25	5.8	8.2	116	1.4	0.016	1100	2400	8.6	43.8	8.4	0.217	30	8	2.4	1.5	0	130	30	0.114
	2053	25	5.9	8.21	116	1.4	0.02	1100	2400	8	41.7	9.3	0.251	22	5.6	1.9	1.5	0	110	20	0.118

Polluted Rivers Data With Drains Joining the Polluted locations for August -October, 2020

Sl. No	Name of Polluted River	Name of Drains	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)																				
1	Tiau River	LK KAI	Result under process (delayed due to Covid 19 lockdown in the state) and the results will be submitted in the next MPR																																							
2	Tlawng River	Drain -1 flowing between Pukpui & Zotlang																																								
		Drain -2 flowing between nothern side of Serkawn & Zotlang																																								
		Drain -3 flowing between Southern side of Serkawn																																								
		Dak Lui, Sairang																																								
		Lawngpu lui																																								
		Bawng lui																																								
3	Tuipui River	Keilungliah Stream	Result under process (delayed due to Covid 19 lockdown in the state) and the results will be submitted in the next MPR																																							
4	Tuivawl River	Serlui																																								
5	Chite Stream	Tlak Lui																					21	7.2	6.86	30	3.4	0.986			19.2	73.6	46.5	3.116	92	24	7.7	4	1			0.123
		Bangla Lui																					21	5.2	6.97	454	1.2	0.822			13	89	65.1	5.005	100	29.6	6.2	4	1			0.226
		Luihnai & Darnam Lui																					24	8.8	7.45	316	4.3	0.741			7.9	46.2	30.7	0.904	70	19.2	5.3	3	0.5			0.162
		Sakawrpui lui																					24	7.1	7.29	549	2	0.964			113	47.9	69.7	5.692	112	33.6	6.7	4.5	1			0.161
6	Mat River	Hmawngawn lui, Serchhip																					Result under process (delayed due to Covid 19 lockdown in the state) and the results will be submitted in the next MPR																			
7	Saikah Stream		NIL																																							
8	Tuikual Lui	Chawnpui Lui	Result under process (delayed due to Covid 19 lockdown in the state) and the results will be submitted in the next MPR																																							
		Dinthar Lui																																								
		Dawrpui Kawr																																								
9	Tuirial River	Theihai Lui	23	5.1	7.48	390	1.9	0.884			3.2	54.8	35.3	3.576	70	19.2	5.3	3	0.5			0.104																				
		Hmawngkai Lui	23	7.2	7.51	446	1.2	1.055			2.1	54.8	55.8	3.637	86	24	6.2	3.5	1			0.054																				
		Lawibual Lui	23	6.6	7.45	322	2.5	0.413			2.4	90.8	41.8	0.262	122	37.6	6.7	2.5	0.5			0.094																				