

ANNEXURE - I

Polluted Rivers Data With Drains Joining the Polluted locations October, 2021

Sl.No	Name of Polluted River	Name of Drains	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		5	6	7	8	9	10	11	12	13	
1	Tiau River	LK KAI														
2	Tlawng River	Drain -1 flowing between Pukpui & Zotlang	16-10-2021	11.30						N/A		Clear	Odourless	N/A		
		Drain -2 flowing between nothern side of Serkawn & Zotlang	16-10-2021	1.00					Bathing	N/A	Public Water Supply	Clear	Odourless	N/A		
		Drain -3 flowing between Southern side of Serkawn	16-10-2021	2.30						1.2	Bathing, Dwelling, Paddy Field	Clear	Odourless	0.3		
		Dak Lui, Sairang	21-10-2021	11.40						0.1			Odourless	0.5		
		Lawngpu lui	21-10-2021	12.00					Rainy	0.1		Pale Yellow	Odourless	0.5		
		Bawng lui	19-10-2021	3.00						1		Clear	Odourless	1		
3	Tuipui River	Keilungliah Stream														
4	Tuivawl River	Serlui	25-10-2021	12.45		Agriculture		Jhum Cultivation	Clear	0.1	Jhum Cultivation	Clear	Odourless	0.2		
5	Chite Stream	Tlak Lui	14-10-2021	1.50						0.2		Yellow	Pungent	0.3		
		Bangla Lui	14-10-2021	1.30						0.2		Brown	Pungent	0.3		
		Luihnai & Darnam Lui	14-10-2021	12.20						0.2		Clear	Odourless	0.5		
		Sakawrupu lui	14-10-2021	12.50						0.2		Brown	Pungent	0.5		
6	Mat River	Hmawngawn lui,Serchhip	15-10-2021	1.30		Domestic, Agriculture		Irrigation	Clear	0.5	Domestic, Gardening	Algae	Clear	Odourless	1.2	
7	Saikah Stream		NIL													
8	Tuikual Lui	Chawnpui Lui	25-10-2021	12.15					Clear	0.1		Clear	Odourless	0.3		
		Dinthar Lui	25-10-2021	12.30					Clear	0.2		Clear	Odourless	0.3		
		Dawrpui Kawr	25-10-2021	12.00					Clear	0.2		Clear	Pungent	0.3		
9	Tuirial River	Theihai Lui	05-10-2021	11.30					Hot	0.1		Clear	Odourless	0.4		
		Hmawngkai Lui	05-10-2021	11.20						0.1		Clear	Odourless	0.4		
		Lawibual Lui	05-10-2021	11.15						0.1		Clear	Odourless	0.5		

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SLNo	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)	
			14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
1	Tiau River	LK KAI																					
2	Tlawng River	Drain -1 flowing between Pukpui & Zotlang	21	6.3	6.2	139	1.8	0.022			2.5	27.6	22.2	0.22	44	8	5.8			90	10	0.065	
		Drain -2 flowing between nothern side of Serkawn & Zotlang	20	5.5	6.1	129	1.5	0.021			2.6	31.5	16.9	0.201	42	8.8	4.8			140	10	0.086	
		Drain -3 flowing between Southern side of Serkawn	21	5.5	6.8	128	1	0.026			2.9	43.3	17.8	0.228	40	6.4	5.8			60	10	0.09	
		Dak Lui, Sairang	27	8.2	7.5	144	2.4	0.12	35	2400	50.9	49.2	18.7	1.227	40	12.8	1.9						0.289
		Lawngpu lui	26	8.6	7.1	1556		0.249	15	1100	100	49.2	6.4	4.609	60	20.8	1.9						0.964
		Bawng lui	30	5.2	7.3	251	2.5	0.071			23.3	159.4	13.3	0.866	102	36	2.9				190	30	1.62
3	Tuipui River	Keilungliah Stream																	70	40			
4	Tuivawl River	Serlui	21	8.4	6.8	158	1.4	0.024			12.7	39.4	10.7	0.232	70	23.2	2.9			50	30	0.052	
5	Chite Stream	Tlak Lui	30	3	7.4	411	6.7	0.038	43	240	32	239	72.9	5.529	124	24	15.4			740	130	1.372	
		Bangla Lui	30	2.9	7.7	805	8.8	0.113	9.1	23	18.7	266.5	76.4	5.936	122	22.4	15.8			690	30	1.843	
		Luihnai & Darnam Lui	30	6.2	8	555	3.3	0.531	24	2400	8.4	193	90.6	0.555	144	32	15.4			490	20	0.419	
		Sakawrpui lui	30	1.6	7.2	751	7.3	0.045	240	2400	21.3	167.3	64.9	5.358	136	25.6	17.3			860	80	1.919	
6	Mat River	Hmawngawn lui,Serchhip	18	5.1	7	89	2.4	0.023			2.9	49.6	16	0.232	36	4.8	5.8			90	50	0.078	
7	Saikah Stream		NIL																				
8	Tuikual Lui	Chawnpui Lui	28	2.7	7.8	822	4.4	0.064	120	2400	20.4	275.6	115.5	5.464	110	34.4	5.8					1.695	
		Dinthar Lui	28	3.5	7.5	553	4.9	0.449	20	1100	8.9	216.5	62.2	3.268	146	55.2	1.9					0.527	
		Dawrpui Kawr	28	1.8	7.4	106	6.4	0.136	27	2400	80.4	472.4	112	7.038	104	38.4	1.9					1.719	
9	Tuirial River	Theihai Lui	25	5.6	7.3	483	3.1	0.522	1100	2400	4.3	165.4	57.8	2.28	140	32.8	13.9			430	20	0.252	
		Hmawngkai Lui	25	5.5	7.7	549	3	0.513	1100	2400	5	193	62.2	2.797	144	36	13			540	20	0.591	
		Lawibual Lui	26	5.9	7.8	220	1.8	0.18	460	2400	3.3	128.7	48.9	0.201	100	16.8	13.9			480	30	0.2	