



TAMIL NADU POLLUTION CONTROL BOARD

76, Mount Salai, Guindy, Chennai - 600 032.

Water Quality Status of Polluted River Stretches

River Bhavani Polluted river stretches from Sirumugai to Kalingarayan - 60 KM - Priority-IV

Sl. No.	Name of station	Station Code No.	Jan-22						Feb-22						Mar-22						Apr-22											
			D.O mg/L	pH	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	D.O mg/L	pH	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	D.O mg/L	pH	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	D.O mg/L	pH	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class						
1	Badrakaliamman koil	1201	5.7	6.6	2.8	26	63	B	6.4	6.2	<2	31	70	B	6.6	6.5	<2	21	46	A	6.2	6.1	2	58	120	B						
2	Sirumugai	1204	5.6	6.7	3	21	58	B	5.7	6.0	2.3	14	39	B	6.4	6.9	<2	22	48	A	6.3	6.2	2	46	110	B						
3	Bhavanisagar	1321	6.2	7.1	<2	26	63	B	6	6.8	2.9	21	48	B	6.2	6.5	<2	21	46	A	6.2	6.5	<2	17	49	A						
4	Bhavani	1205	6.2	7.3	<2	27	79	B	6.1	6.3	<2	33	110	B	6.6	6.6	<2	43	94	B	6.4	6.4	<2	79	130	B						
5	Sathyamangalam	3019	6.0	6.9	<2	31	70	B	6.0	6.7	2	25	58	B	6.2	6.1	<2	17	39	B	6.6	6.3	<2	20	47	B						
6	Kalingarayan Canal (B5)	3020	6.0	7.4	<2	17	48	A	6.2	6.2	<2	46	94	B	6.3	6.6	<2	70	150	B	6.6	6.7	<2	63	120	B						
7	Kalingarayan Canal (B10)	3021	6.0	7.5	<2	43	84	B	5.8	6.4	2.2	140	220	B	6.4	6.6	<2	130	320	B	6.9	6.7	<2	110	210	B						
DBU Class-Designated Best Use			Class of water						Criteria																							
Drinking Water Source without conventional treatment but after disinfection			A						Total Coliforms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5. Dissolved Oxygen 6mg/l or more. Biochemical Oxygen Demand 5 days'20 C 2mg/l or less.																							
Outdoor bathing (Organised)			B						Total Coliforms Organism MPN/100ml shall be 500 or less. pH between 6.5 and 8.5. Dissolved Oxygen 5mg/l or more Biochemical Oxygen Demand 5 days '20 C 3mg/l or less.																							
Drinking Water Source after conventional treatment and disinfection			C						Total Coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9 Dissolved Oxygen 4mg/l or more. Biochemical Oxygen Demand 5 days 20 C 3mg/l or less.																							
Propagation of Wild life and Fisheries			D						pH between 6.5 to 8.5 Dissolved Oxygen 5mg/l or more. Free Ammonia (as N) 1.2 mg/l or less.																							
Irrigation, Industrial cooling, Controlled			E						pH between 6.5 to 8.5. Electrical Conductivity at 25 ,micro mhos/cm Max.2250																							

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Sl. No.	Name of station	Station Code No.	May-22						Jun-22						Jul-22						Aug-22					
			pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class
1	Badrakaliamman koil	1201	6.5	6.2	1.5	79	130	B	7.4	6.4	1.2	63	110	B	7.9	6.9	<2	84	150	B	7.6	7.2	<2	32	94	B
2	Sirumugai	1204	6.5	6.1	1.3	46	110	B	7.9	6.9	<2	26	70	B	8.2	6.9	2.5	46	110	B	6.7	7.4	<2	25	58	B
3	Bhavanisagar	1321	6.5	6.4	1.0	17	43	A	8.4	6.7	<2	21	43	A	7.8	7.1	<2	17	46	A	7.8	7.2	<2	13	39	A
4	Bhavani	1205	7.3	6.3	0.8	110	210	B	8.1	6.5	<2	43	94	B	7.1	6.9	<2	31	84	B	7.7	7.2	<2	31	70	B
5	Sathyamangalam	3019	6.5	6.2	0.7	21	46	A	8.0	6.4	<2	22	49	A	7.9	7.0	<2	21	48	A	7.2	7.0	<2	13	38	A
6	Kalingarayan Canal (B5)	3020	7.5	6.2	1.7	68	150	B	No flow						8.0	6.9	<2	43	120	B	7.8	7.0	<2	79	130	B
7	Kalingarayan Canal (B10)	3021	6.9	6.2	1.0	170	410	B	No flow						8.1	6.3	<2	140	320	B	7.3	7.2	<2	260	470	B
DBU Class-Designated Best Use			Class of water						Criteria																	
Drinking Water Source without conventional treatment but after disinfection			A						Total Coliforms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5. Dissolved Oxygen 6mg/l or more. Biochemical Oxygen Demand 5 days'20 C 2mg/l or less.																	
Outdoor bathing (Organised)			B						Total Coliforms Organism MPN/100ml shall be 500 or less. pH between 6.5 and 8.5. Dissolved Oxygen 5mg/l or more Biochemical Oxygen Demand 5 days '20 C 3mg/l or less.																	
Drinking Water Source after conventional treatment and disinfection			C						Total Coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9 Dissolved Oxygen 4mg/l or more. Biochemical Oxygen Demand 5 days 20 C 3mg/l or less.																	
Propagation of Wild life and Fisheries			D						pH between 6.5 to 8.5 Dissolved Oxygen 5mg/l or more. Free Ammonia (as N) 1.2 mg/l or less.																	
Irrigation, Industrial cooling, Controlled			E						pH between 6.5 to 8.5. Electrical Conductivity at 25 ,micro mhos/cm Max.2250																	



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Sl. No.	Name of station	Station Code No.	Sep-22						Oct-22					
			pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	pH	D.O mg/L	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class
1	Badrakaliamman koil	1201	7.2	6.2	2.7	21	63	B	7.2	6.5	2.4	46	94	B
2	Sirumugai	1204	7.1	6.9	2.1	17	49	B	7.2	6.9	<2	12	24	A
3	Bhavanisagar	1321	7.5	6.7	<2	21	48	A	7.3	6.5	<2	14	39	A
4	Bhavani	1205	7.2	6.9	<2	33	79	B	7.7	6.8	<2	46	84	B
5	Sathyamangalam	3019	7.5	6.9	<2	17	46	A	7.5	6.8	<2	26	63	B
6	Kalingarayan Canal (B5)	3020	7.5	6.8	<2	46	110	B	7.8	6.5	<2	58	120	B
7	Kalingarayan Canal (B10)	3021	7.6	7.0	<2	63	150	B	7.9	6.5	<2	79	170	B
DBU Class-Designated Best Use		Class of water	Criteria											
Drinking Water Source without conventional		A	Total Coliforms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5. Dissolved Oxygen 6mg/l or more. Biochemical Oxygen Demand 5 days '20 C 2mg/l or less											
Outdoor bathing (Organised)		B	Total Coliforms Organism MPN/100ml shall be 500 or less. pH between 6.5 and 8.5. Dissolved Oxygen 5mg/l or more Biochemical Oxygen Demand 5 days '20 C 3mg/l or less											
Drinking Water Source after conventional		C	Total Coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9											
Propagation of Wild life and Fisheries		D	pH between 6.5 to 8.5 Dissolved Oxygen 5mg/l or more. Free Ammonia (as N) 1.2 mg/l or less.											
Irrigation, Industrial cooling, Controlled		E	pH between 6.5 to 8.5. Electrical Conductivity at 25 ,micro mhos/cm Max.2250											