

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-V

Sl. No.	Name of station	Station Code No.	Jan-23						Feb-23						Mar-23						Apr-23						
			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	6.2	7.1	<2	17	41	A	6.5	7.6	<2	14	32	A	6.2	7.8	<2	12	24	A	5.9	8.0	2.1	17	32	A	
2	Sirumugai	1204	5.7	8.4	2.1	20	47	A	5.6	7.1	2.4	20	33	A	6.2	7.5	2.1	14	33	A	6.2	7.4	<2	17	24	A	
3	Bhavanisagar	1321	6.5	7.5	<2	14	27	A	No flow						-	6.5	7.4	<2	11	24	A	6.5	7.4	<2	17	39	A
4	Bhavani	1205	6.5	8.1	<2	24	39	A	No flow						-	6.7	7.8	<2	20	39	A	6.7	8.2	<2	11	32	A
5	Sathyamangalam	3019	6.9	8.0	<2	17	32	A	No flow						-	6.7	7.3	<2	14	33	A	6.7	8.0	<2	14	32	A
6	Kalingarayan Canal (B5)	3020	5.2	8.2	2	21	48	A	6.2	8.0	2	17	39	A	6.7	8.0	<2	20	39	A	6.5	7.8	<2	14	39	A	
7	Kalingarayan Canal (B10)	3021	6.2	8.0	<2	20	39	A	6.5	8.2	<2	14	32	A	6.2	8.5	<2	20	47	A	6.7	7.8	<2	14	32	A	
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-23						Jun-23						Jul-23						Aug-23											
			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	7.1	2.4	9	24	A	5.7	7.3	2.1	20	39	A	5.6	7.1	2.7	6.8	14	A	6.1	7.9	2.1	12	33	A						
2	Sirumugai	1204	5.9	7.9	1.8	11	33	A	5.9	8.2	1.5	14	32	A	5.8	8.0	2.1	8.1	14	A	6.3	7.9	1.8	14	17	A						
3	Bhavanisagar	1321	5.7	8.3	2.1	11	26	A	5.7	7.8	2.4	17	39	A	5.8	7.2	2.4	17	39	A	6.0	8.6	2.7	14	20	A						
4	Bhavani	1205	5.9	8.5	1.2	14	32	A	5.8	7.9	1.5	14	39	A	6.3	7.9	1.8	7	12	A	6.0	7.7	2.1	17	27	A						
5	Sathyamangalam	3019	5.9	7.9	1.2	14	39	A	5.8	7.6	1.2	9	26	A	6.1	7.5	1.8	9	17	A	6.1	8.1	2.7	12	17	A						
6	Kalingarayan Canal (B5)	3020	5.7	8.6	1.8	8	26	A	5.7	8.4	1.8	14	33	A	6.2	7.8	1.8	9	21	A	5.9	8.0	2.1	14	20	A						
7	Kalingarayan Canal (B10)	3021	5.9	8.8	1.2	17	33	A	5.7	8.8	1.5	20	39	A	6.0	8.0	2.1	12	21	A	5.8	8.2	2.7	22	27	A						
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.																							
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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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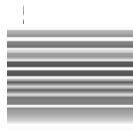
Sl. No.	Name of station	Station Code No.	Sep-23						Oct-23					
			D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class
1	Badrakaliamman koil	1201	6.4	7.2	2.1	140	320	B	6.5	6.9	<2	11	26	A
2	Sirumugai	1204	6.4	7.4	1.8	68	200	B	6.9	7.0	2.2	11	32	A
3	Bhavanisagar	1321	5.8	7.6	2.7	11	26	A	5.2	7.6	<2	14	24	A
4	Bhavani	1205	6.3	7.7	2.4	11	26	A	5.3	7.9	<2	14	33	A
5	Sathyamangalam	3019	6.1	7.5	2.1	9	14	A	6.3	7.4	2.0	11	24	A
6	Kalingarayan Canal (B5)	3020	6.0	7.7	2.4	17	26	A	5.2	7.9	3.0	14	39	A
7	Kalingarayan Canal (B10)	3021	5.8	8.0	2.7	11	21	A	5.9	8.0	2.0	17	32	A

Standard limit for pH 6.5 to 8.5

Standard limit for DO 5.0 mg/l or more

Standard limit for BOD 3 mg/L or less

Standard limit for Total coliform MPN/100ml shall be 500 or less



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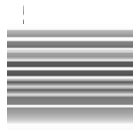
Sl. No.	Name of station	Station Code No.	Nov-23					DBU Class
			D.O mg/L	pH	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	
1	Badrakaliamman koil	1201	6.9	7.7	2.2	13	32	A
2	Sirumugai	1204	6.8	7.9	1.9	12	24	A
3	Bhavanisagar	1321	6.0	7.9	2.9	17	27	A
4	Bhavani	1205	6.6	8.0	2.2	17	34	A
5	Sathyamangalam	3019	5.8	8.1	2.4	17	27	A
6	Kalingarayan Canal (B5)	3020	5.8	8.0	2.6	11.0	34	A
7	Kalingarayan Canal (B10)	3021	5.7	8.2	2.0	17	33	A

Standard limit for pH 6.5 to 8.5

Standard limit for DO 5.0 mg/l or more

Standard limit for BOD 3 mg/L or less

Standard limit for Total coliform MPN/100ml shall be 500 or less



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Sl. No.	Name of station	Station Code No.	Dec-23					DBU Class
			D.O mg/L	pH	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	
1	Badrakaliamman koil	1201	6.4	7.3	2.3	14	33	A
2	Sirumugai	1204	6.6	7.7	2.1	11	32	A
3	Bhavanisagar	1321	5.6	7.4	2.4	14	40	A
4	Bhavani	1205	5.9	8.3	2.2	14	32	A
5	Sathyamangalam	3019	5.8	7.6	2.6	68	170	A
6	Kalingarayan Canal (B5)	3020	6.1	8.1	1.9	20.0	39	A
7	Kalingarayan Canal (B10)	3021	6.5	8.5	2.5	20	49	A

Standard limit for pH 6.5 to 8.5

Standard limit for DO 5.0 mg/l or more

Standard limit for BOD 3 mg/L or less

Standard limit for Total coliform MPN/100ml shall be 500 or less