

**TAMIL NADU POLLUTION CONTROL BOARD**  
76, Mount Salai, Guindy, Chennai - 600 032.  
Water Quality Status of Polluted River Stretches



**River Thamirabarani Polluted river stretches from Pappankulam to Arumuganeri - 80 KM - Priority-V**

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	Papanasam	1159	7.0	7.6	2.4	<1.8	2	B	9.8	7.6	2.5	<1.8	2	B	6.7	6.45	2.4	<1.8	2	B	7.5	7.22	2.4	<1.8	2	B
2	Cheranmadevi	1160	7.0	7.9	2.5	11	38	B	7.7	7.6	2.5	1.8	25	B	6.6	7.41	2.4	1.8	10	B	7.2	7.76	2.6	1.8	8	B
3	Kokirakulam	1161	6.8	7.8	2.4	17	58	B	6.4	7.6	2.6	3.6	46	B	6.4	7.57	2.4	11.0	48	B	6.7	7.8	2.4	4.5	41	B
4	Murapanadu	1162	7.0	8.0	2.5	17	63	B	7.3	7.7	2.5	12	84	B	7.6	7.44	2.5	21.0	70	B	6.6	7.13	2.7	17	63	B
5	Thiruvaidaimarudur	1328	7.2	8.1	2.5	4	17	B	7.6	7.6	2.6	<1.8	6	B	7.8	7.25	2.6	<1.8	4	B	7.3	7.28	2.2	1.8	6	B
6	Ambasamudram	1329	6.8	7.6	2.5	<1.8	4	B	8.8	7.5	2.5	<1.8	4	B	7.2	6.96	2.5	<1.8	2	B	7.3	7.5	2.3	<1.8	4	B
7	Author	1330	6.7	7.6	2.5	31	94	B	6.7	7.9	2.4	25	140	B	7.9	7.1	2.7	39	120	B	6.7	7.17	2.8	34	94	B
8	Eral	3025	6.9	7.8	2.4	27	83	B	7.3	7.8	2.3	17	110	B	7.4	7.53	2.6	31	94	B	3.0	7.5	2.9	70	220	E
9	Kallidaikurichi	3026	7.1	7.5	2.3	2	7	B	8.4	7.3	2.6	<1.8	4	B	7.5	7.23	2.4	<1.8	4	B	7.4	7.8	2.3	<1.8	4	B
10	Srivaikuntam	3027	7.0	8.1	2.6	20	70	B	8.7	7.8	2.3	17	94	B	7.9	7.77	2.5	26.0	84	B	5.7	7.68	2.7	21	70	B
11	Vellakovil	3028	6.8	7.9	2.3	13	46	B	7.2	7.8	2.6	3.6	63	B	7.8	7.66	2.5	6.8	33	B	6.8	7.75	2.4	3.6	39	B
12	Seevalaperi	3029	6.7	7.6	2.3	17	63	B	5.6	7.9	2.6	3.6	70	B	7.6	7.56	2.6	6.8	39	B	6.8	7.64	2.5	3.6	34	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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Water Quality Status of Polluted River Stretches



**River Thamirabarani Polluted river stretches from Pappankulam to Arumuganeri - 80 KM - Priority-V**

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	Papanasam	1159	6.8	6.5	<2	<1.8	2	A	7.2	7.2	2.4	<1.8	<1.8	B	7.2	7.4	<2	9.0	24	A	6.9	7.6	<2	6	14	A
2	Cheranmadevi	1160	7.1	6.4	2.4	3.6	14	B	7.3	7.5	2.6	1.8	6	B	7.6	7.1	2.2	8.0	40	B	7.0	6.9	<2	6	17	A
3	Kokirakulam	1161	7.6	6.3	2.8	6.1	38	B	7.4	7.6	2.6	24.0	63	B	7.7	6.5	2.4	9.0	15	B	6.9	6.7	<2	4	12	A
4	Murapanadu	1162	7.4	7.6	2.5	14.0	58	B	7.5	6.7	2.8	31.0	94	B	6.9	6.9	2.0	4.0	8	A	7.3	7.4	2.4	8	25	B
5	Thiruvaidaimarudur	1328	7.1	6.5	2.4	1.8	6	B	7.0	7.4	2.8	<1.8	2	B	7.6	7.2	2.2	12.0	20	B	7.0	6.9	<2	8	20	A
6	Ambasamudram	1329	6.5	6.3	2.0	<1.8	4	A	7.1	7.1	2.5	<1.8	<1.8	B	7.6	7.2	<2	10.0	33	A	7.2	7.2	<2	8	17	A
7	Author	1330	7.6	7.4	2.4	24.0	80	B	7.9	7.1	2.5	46.0	170	B	7.3	7.2	2.9	5.5	9	B	7.3	6.0	2.9	10	24	B
8	Eral	3025	7.8	5.0	2.3	28.0	92	B	7.9	6.5	2.6	43.0	120	B	7.2	6.9	2.8	8.2	14	B	7.6	7.8	2.6	8	21	B
9	Kallidaikurichi	3026	6.8	6.4	2.2	<1.8	4	B	7.1	6.5	2.5	<1.8	<1.8	B	7.6	7.2	2.0	6.0	24	A	7.0	7.1	<2	6	12	A
10	Srivaikuntam	3027	7.2	6.7	2.3	18.0	60	B	7.6	7.0	2.8	34.0	110	B	7.1	7.0	2.1	5.6	10	B	7.6	8.2	2.5	12	31	B
11	Vellakovil	3028	7.7	6.2	2.6	6.1	41	B	7.3	7.7	2.6	3.6	48	B	7.8	6.5	2.4	6.0	34	B	6.9	6.7	<2	6	14	A
12	Seevalaperi	3029	7.7	6.6	2.5	6.8	63	B	7.3	5.3	2.4	3.6	58	B	7.5	6.4	2.0	8.0	48	A	6.9	6.5	<2	7	20	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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**Water Quality Status of Polluted River Stretches**

**River Thamirabarani Polluted river stretches from Pappankulam to Arumuganeri - 80 KM - Priority-IV**

Sl. No.	Name of station	Station Code No.	Sep-22						Oct-22						Nov-22						Dec-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	Papanasam	1159	7.6	6.9	<2	12	25	A	7.2	7.6	2.3	10	24	A	7.8	6.8	<2	6	15	A	7.3	7.0	<2	6	12	A
2	Cheranmadevi	1160	7.0	6.8	<2	6	17	A	7.1	7.0	<2	6	14	A	6.9	6.5	<2	4	13	A	6.9	6.0	<2	4	14	A
3	Kokirakulam	1161	7.1	6.8	<2	8	24	A	7.0	7.0	2.0	11	25	A	7.0	6.4	<2	6	14	A	6.9	6.0	<2	6	13	A
4	Murapanadu	1162	7.2	6.8	<2	9	14	A	7.7	6.9	<2	12	17	A	7.4	7.1	<2	8	17	A	7.6	6.6	<2	5	11	A
5	Thiruvaidaimarudur	1328	7.2	7.0	<2	7	17	A	7.3	7.5	<2	8	24	A	7.0	6.5	<2	4	7	A	7.0	6.0	<2	6	9	A
6	Ambasamudram	1329	7.5	7.0	<2	9	24	A	7.2	7.4	2.3	6	13	A	7.1	6.8	<2	6	14	A	7.0	6.5	<2	6	14	A
7	Author	1330	7.4	6.6	2.8	6	20	A	7.5	6.5	3.0	9	17	A	7.5	6.8	2.5	7	14	A	7.6	6.5	<2	8	12	A
8	Eral	3025	7.6	6.9	2.0	6	14	A	7.4	6.6	3.0	12	20	A	7.5	6.5	2.3	8	14	A	7.7	6.6	<2	6	9	A
9	Kallidaikurichi	3026	7.3	6.8	<2	6	17	A	7.2	7.4	2.0	6	17	A	7.0	6.7	2.7	4	9	A	7.0	7.0	<2	6	13	A
10	Srivaikuntam	3027	7.4	6.8	<2	10	21	A	7.7	6.2	2.0	10	24	A	7.4	6.7	<2	7	15	A	7.7	6.8	<2	6	14	A
11	Vellakovil	3028	7.3	6.9	2.5	14	39	A	6.9	5.3	2.2	14	24	A	6.8	6.5	<2	8	17	A	7.0	6.0	<2	6	14	A
12	Seevalaperi	3029	7.1	6.8	<2	15	24	A	6.9	5.3	<2	8	20	A	6.8	6.5	<2	10	24	A	6.9	6.0	<2	6	15	A
DBU Class-Designated Best Use			Class of water						Criteria																	
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