

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-IV

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	Papanasam	1159	7.0	7.5	<2	8	20	A	6.8	7.6	<2	14	25	A	6.8	7.1	<2	17	26	A	7.2	7.2	<2	10	24	A	
2	Cheranmadevi	1160	7.0	7.2	<2	11	25	A	7.1	7.6	<2	17	48	A	6.3	6.9	<2	14	31	A	6.7	7.2	2.0	17	39	A	
3	Kokirakulam	1161	7.0	7.2	<2	17	26	A	6.8	7.4	<2	22	38	A	6.9	6.8	<2	17	25	A	6.9	7.1	2.0	25	47	A	
4	Murapanadu	1162	6.0	7.2	<2	14	21	A	6.6	7.2	<2	21	31	A	6.6	7.7	<2	17	25	A	6.8	7.3	2.2	4	12	A	
5	Thiruvaidamarudur	1328	6.8	7.3	<2	9	20	A	7.2	7.4	<2	21	47	A	6.2	6.8	<2	14	26	A	7.3	7.2	2.1	12	20	A	
6	Ambasamudram	1329	7.0	7.4	<2	12	25	A	6.9	7.4	<2	20	39	A	6.8	6.9	<2	21	39	A	6.9	7.3	2.3	9	17	A	
7	Author	1330	6.1	7.2	<2	14	24	A	6.2	7.3	<2	17	31	A	6.8	7.9	<2	14	31	A	6.9	7.7	2.1	12	26	A	
8	Eral	3025	6.3	7.3	<2	12	20	A	6.3	7.4	<2	12	25	A	6.5	7.9	<2	14	26	A	5.9	7.6	<2	11	38	A	
9	Kallidaikurichi	3026	7.1	7.3	<2	14	31	A	6.9	7.5	<2	17	34	A	6.4	6.8	<2	20	34	A	6.9	7.2	2.3	17	26	A	
10	Srivaikuntam	3027	7.0	7.7	<2	9	20	A	6.1	7.6	<2	11	33	A	6.2	7.9	<2	20	34	A	6.7	7.8	<2	4	17	A	
11	Vellakovil	3028	7.0	7.1	<2	17	31	A	6.3	7.5	<2	13	27	A	6.6	7.0	<2	24	47	A	6.4	7.2	2.4	21	48	A	
12	Seevalaperi	3029	6.3	7.1	<2	10	22	A	6.8	7.5	<2	22	49	A	6.8	6.8	<2	12	25	A	6.6	7.5	2.2	12	31	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.	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	Papanasam	1159	6.3	6.8	<2	12	25	A	6.3	7.5	2.4	12	39	A	4.9	8.0	2.9	8	25	A	5.8	7.1	2.0	12	25	A	
2	Cheranmadevi	1160	6.6	7.3	2.0	13	38	A	5.6	7.7	2.1	8	26	A	5.0	7.8	2.4	12	33	A	5.3	7.2	2.0	9	26	A	
3	Kokirakulam	1161	6.3	7.0	2.1	8	24	A	6.1	7.5	<2	12	38	A	4.3	7.6	2.0	10	26	A	4.9	6.9	2.0	10	25	A	
4	Murapanadu	1162	6.1	6.9	<2	9	21	A	5.8	7.2	2.7	17	33	A	4.6	6.8	2.7	20	25	A	5.3	6.5	2.9	10	24	A	
5	Thiruvaidaimarudur	1328	6.2	7.6	<2	8	26	A	5.9	7.5	2.8	10	32	A	5.3	7.7	2.0	11	39	A	5.5	7.1	3.0	9	26	A	
6	Ambasamudram	1329	6.0	6.9	<2	11	21	A	6.5	7.7	2.0	6	20	A	5.0	7.4	2.4	6	21	A	5.2	7.1	4.0	9	26	D	
7	Authoor	1330	6.0	7.5	<2	11	24	A	6.1	7.8	2.4	17	40	A	5.1	7.5	2.6	17	24	A	4.2	6.7	3.0	11	25	A	
8	Eral	3025	4.9	7.3	2.2	20	31	A	5.1	7.5	2.2	21	39	A	4.8	7.4	2.9	14	25	A	4.8	7.5	2.4	20	21	A	
9	Kallidaikurichi	3026	5.9	7.9	<2	9	17	A	6.3	7.7	<2	13	39	A	5.8	7.7	2.3	12	32	A	5.4	7.1	4.0	13	24	A	
10	Srivaikuntam	3027	5.8	7.2	<2	10	26	A	5.2	7.4	2.0	14	31	A	4.6	7.3	2.8	13	24	A	5.1	6.8	2.2	10	17	A	
11	Vellakovil	3028	5.6	7.0	<2	9	21	A	6.0	7.4	2.4	9	32	A	4.8	7.3	2.2	9	38	A	4.9	7.2	2.0	9	25	A	
12	Seevalaperi	3029	5.9	6.7	2.2	10	26	A	6.1	6.7	2.8	8	32	A	5.1	6.7	2.8	13	34	A	5.4	7.2	4.0	11	21	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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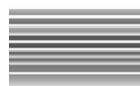
Sl. No.	Name of station	Station Code No.	Sep-23						Oct-23					
			D.O mg/L	pH	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	D.O mg/L	pH	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class
1	Papanasam	1159	5.8	7.6	2.0	11	26	A	5.2	6.8	<2	11	21	A
2	Cheranmadevi	1160	5.6	6.6	2.4	11	24	A	5.2	6.4	2.3	12	33	A
3	Kokirakulam	1161	5.3	6.5	2.6	14	26	A	4.9	6.7	2.5	13	38	A
4	Murapanadu	1162	6.4	6.8	<2	10	31	A	6.5	6.9	2.4	13	32	A
5	Thiruvaidaimarudur	1328	5.6	6.4	2.3	10	24	A	4.8	6.2	2.4	9	22	A
6	Ambasamudram	1329	5.4	7.3	2.2	10	25	A	4.9	6.5	2.2	13	26	A
7	Author	1330	5.2	7.6	2.8	8	24	A	5.3	7.7	2.0	12	38	A
8	Eral	3025	5.4	7.7	2.3	9	21	A	5.4	7.2	2.2	21	47	A
9	Kallidaikurichi	3026	5.2	6.8	2.2	12	26	A	5.1	6.4	2.3	11	26	A
10	Srivaikuntam	3027	5.9	7.0	2.0	11	26	A	6.0	7.3	2.2	17	31	A
11	Vellakovil	3028	5.6	6.5	2.8	11	24	A	4.3	6.7	2.7	9	26	A
12	Seevalaperi	3029	5.2	6.2	2.8	10	26	A	4.0	6.7	2.9	10	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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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.	Nov-23					
			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	6.2	6.7	2.0	24	63	B
2	Cheranmadevi	1160	5.8	6.9	3.0	27	43	A
3	Kokirakulam	1161	5.5	6.6	3.0	33	58	B
4	Murapanadu	1162	6.5	6.8	2.9	11	21	A
5	Thiruvidaimarudur	1328	5.8	6.8	3.0	33	63	B
6	Ambasamudram	1329	5.8	7.0	2.0	26	47	A
7	Author	1330	5.5	7.6	2.3	21	47	A
8	Eral	3025	5.7	7.1	2.8	25	70	B
9	Kallidaikurichi	3026	5.9	6.8	2.0	27	58	B
10	Srivaikuntam	3027	5.9	7.2	2.7	24	53	B
11	Vellakovil	3028	5.1	6.9	2.0	34	63	B
12	Seevalaperi	3029	4.7	6.7	4.0	38	70	B

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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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.	Dec-23					
			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	6.7	7.4	2.0	26	43	B
2	Cheranmadevi	1160	6.2	7.9	3.0	25	58	A
3	Kokirakulam	1161	5.8	8.0	2.0	25	47	B
4	Murapanadu	1162	6.2	7.0	1.6	12	34	A
5	Thiruvidaimarudur	1328	6.1	7.8	2.0	26	58	B
6	Ambasamudram	1329	6.4	7.8	2.0	25	40	A
7	Authoor	1330	5.4	6.9	2.2	27	56	B
8	Eral	3025	5.5	7.0	2.4	24	68	B
9	Kallidaikurichi	3026	6.2	7.5	2.0	21	39	B
10	Srivaikuntam	3027	5.9	7.0	2.1	17	47	B
11	Vellakovil	3028	5.6	7.9	3.0	21	43	B
12	Seevalaperi	3029	5.3	7.8	3.0	24	54	B

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

