

TAMIL NADU POLLUTION CONTROL BOARD

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

Water Quality Status of Polluted River Stretches

River Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM - Priority - III

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						
1	Mettur	50	5.9	7.8	2.7	11	26	A	5.9	7.6	2.4	12	24	A	6.2	7.8	2.1	14	39	A	6.2	8.2	<2	11	32	A
2	Pallipalayam	51	6.7	8.0	<2	21	94	B	6.2	8.2	<2	20	32	A	6.2	8.0	<2	21	39	A	6.7	8.2	<2	14	39	A
3	Musiri Borewell	32	No flow				-	No flow				-	No flow				-	6.2	7.5	<2	93	330	B			
4	Musiri Ferry Gate	31	7.8	7.5	3	14	39	A	7.0	7.1	<2	11	32	A	7.9	7.8	<2	14	24	A	7.7	8.4	<2	78	400	B
5	Komarapalayam	3012	6.2	8.3	<2	11	33	A	6.2	8.0	<2	14	24	A	6.2	7.7	<2	17	38	A	6.2	8.1	<2	20	47	A
6	Urachikottai	3013	5.6	8.5	<2	27	47	A	6.5	8.7	<2	20	32	A	6.5	8.5	<2	24	47	A	6.7	8.4	<2	26	47	A
7	Seerampalayam	3014	6.2	8.1	<2	17	46	A	6.2	8.2	<2	20	39	A	6.2	8.1	<2	20	39	A	6.5	8.1	<2	24	39	A
8	Pugalur	3015	5.6	8.3	<2	14	40	A	6.2	8.1	<2	14	33	A	6.5	8.0	<2	17	39	A	6.5	8.1	<2	12	24	A
9	Pettavaithalai	3016	7.7	7.5	4	17	39	A	7.2	7.2	<2	14	24	A	7.5	8.1	<2	17	38	A	7.6	8.5	<2	170	940	C
10	Kumbakonam	3017	6.7	7.4	2.4	1.8	200	B	6.2	7.5	2.5	11	24	A	No flow				-	No flow				-		
11	Mayiladurai	3018	5.9	8.0	<2	14	26	A	6.2	7.8	<2	14	31	A	No flow				-	No flow				-		
12	R.N. Pudur	1322	5.6	8.1	2	24	47	A	5.9	8.2	2	20	39	A	6.5	8.1	<2	24	47	A	6.5	7.3	<2	11	26	A
13	Vairapalayam	1320	5.2	8.0	2.7	26	46	A	5.9	8.3	2.4	26	70	B	5.9	7.8	2.4	24	47	A	6.5	8.2	<2	17	47	A
14	P. Velur	1323	6.5	8.3	<2	17	32	A	6.2	8.5	<2	14	40	A	6.2	8.2	<2	20	32	A	6.5	8.3	<2	17	47	A
15	Mohanur	1324	6.7	8.3	<2	14	26	A	6.2	8.6	<2	14	26	A	6.2	8.3	<2	24	39	A	6.5	8.3	<2	9	24	A
16	Thirumukkudal	1451	5.6	8.4	<2	13	24	A	6.2	8.4	<2	12	24	A	6.7	8.4	<2	22	47	A	5.9	7.9	<2	17	39	A
17	Trichy Upstream	1202	7.9	7.5	2	21	47	A	7.0	7.7	<2	20	33	A	7.8	8.3	<2	14	24	A	6.7	8.0	<2	20	110	B
18	Trichy	1325	7.6	7.4	3	14	39	A	7.0	7.6	2.4	14	24	A	5.7	8.0	<2	17	39	A	5.9	7.3	2.6	93	330	B
19	Grand Anaicut	1203	6.9	7.5	2.0	40	680	C	7.2	7.5	2.4	20	47	A	5.8	7.8	<2	32	94	B	7.0	7.3	<2	37	200	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																		

TAMIL NADU POLLUTION CONTROL BOARD

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

Water Quality Status of Polluted River Stretches

River Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM - Priority - III

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	Mettur	50	5.9	8.0	0.9	8	17	A	6.5	8.9	2.1	9.0	17.0	A	5.8	8.5	2.4	6.8	17.0	A	6.3	8.0	2.1	4.5	13.0	A		
2	Pallipalayam	51	6.5	8.1	1.2	33	110	B	6.5	8.3	1.5	33.0	140.0	B	5.9	7.8	1.8	9.3	17.0	A	6.4	7.9	1.8	6.8	14.0	A		
3	Musiri Borewell	32		No flow				-	No flow							No flow							No flow					
4	Musiri Ferry Gate	31	7.1	7.6	2.3	12	24	A	7.8	7.9	1.6	11.0	32.0	A	7.6	7.5	1.6	6.0	14.0	A	8.8	7.7	1.3	13.0	27.0	A		
5	Komarapalayam	3012	6.5	8.3	1.5	14	32	A	6.2	8.3	1.8	20.0	47.0	A	5.8	8.1	1.8	27.0	110.0	B	6.3	8.1	2.1	17.0	39.0	A		
6	Urachikottai	3013	5.9	8.6	1.8	14	33	A	5.9	8.6	1.5	20.0	39.0	A	6.3	8.0	1.8	20.0	39.0	A	6.1	7.9	1.8	17.0	25.0	A		
7	Seerampalayam	3014	6.2	8.4	1.2	20	39	A	6.5	8.4	1.2	21.0	39.0	A	6.1	7.9	1.8	14.0	26.0	A	6.4	8.0	1.8	14.0	26.0	A		
8	Pugalur	3015	5.7	8.0	1.8	11	26	A	5.9	8.0	1.5	17.0	39.0	A	6.2	7.8	1.8	21.0	39.0	A	6.3	7.6	1.8	14.0	26.0	A		
9	Pettavaithalai	3016	7.6	7.6	2.5	14	39	A	7.6	7.9	1.8	11.0	26.0	A	7.2	7.5	1.9	33.0	47.0	A	7.9	7.6	1.5	22.0	34.0	A		
10	Kumbakonam	3017		No flow				-	No flow							No flow							No flow					
11	Mayiladurai	3018		No flow				-	No flow							No flow							No flow					
12	R.N. Pudur	1322	5.7	8.6	1.8	14	39	A	5.9	8.7	1.2	26.0	70.0	B	6.0	7.9	1.8	11.0	27.0	A	6.3	8.2	1.8	11.0	22.0	A		
13	Vairapalayam	1320	5.7	8.0	2.4	17	39	A	5.6	8.3	2.1	24.0	47.0	A	6.0	7.8	2.1	17.0	33.0	A	5.9	7.1	2.4	22.0	39.0	A		
14	P. Velur	1323	5.7	8.1	1.2	14	32	A	5.9	8.5	1.5	17.0	39.0	A	6.1	7.9	1.8	6.8	22.0	A	6.2	8.1	2.1	22.0	34.0	A		
15	Mohanur	1324	6.5	8.2	2.7	14	39	A	6.6	8.4	2.4	14.0	24.0	A	5.5	7.9	2.7	9.2	22.0	A	6.1	8.1	2.7	17.0	24.0	A		
16	Thirumukkudal	1451	5.9	8.5	1.5	14	32	A	5.9	7.7	1.2	20.0	39.0	A	6.1	8.1	1.8	27.0	130.0	A	6.4	7.7	1.5	14.0	39.0	A		
17	Trichy Upstream	1202	7.9	7.6	<2	9	24	A	7.6	7.9	1.6	17.0	39.0	A	7.3	7.6	2.0	12.0	24.0	A	6.8	7.6	2.0	45.0	140.0	B		
18	Trichy	1325	6.6	7.6	<2	12	24	A	7.3	8.0	1.4	17.0	39.0	A	7.1	7.5	2.1	6.8	24.0	A	8.0	7.6	1.4	14.0	32.0	A		
19	Grand Anaicut	1203	6.7	7.5	<2	17	39	A	7.8	7.9	1.8	11.0	21.0	A	7.5	7.8	1.8	4.5	38.0	A	6.8	7.7	2.0	68.0	93.0	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																			

TAMIL NADU POLLUTION CONTROL BOARD

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

Water Quality Status of Polluted River Stretches

River Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM - Priority - III



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	Mettur	50	6.1	8.1	2.1	11.0	32.0	A	5.2	7.9	2.1	6.8	14.0	A	
2	Pallipalayam	51	6.3	7.2	1.8	11.0	21.0	A	6.2	7.9	1.8	6.8	17.0	A	
3	Musiri Borewell	32	No flow							6.4	7.7	2.8	92.0	310.0	B
4	Musiri Ferry Gate	31	7.5	7.9	2.2	5.5	46.0	A	8.6	8.3	2.0	18.0	36.0	A	
5	Komarapalayam	3012	6.2	7.4	2.1	11.0	17.0	A	6.0	8.0	1.8	14.0	26.0	A	
6	Urachikottai	3013	6.2	7.7	2.1	11.0	22.0	A	4.9	8.0	3.0	14.0	38.0	A	
7	Seerampalayam	3014	6.3	8.0	1.8	17.0	22.0	A	5.9	8.1	2.1	6.8	14.0	A	
8	Pugalur	3015	7.3	7.7	2.3	1.8	7.8	A	6.6	8.3	2.7	14.0	17.0	A	
9	Pettavaithalai	3016	6.6	7.5	2.8	12.0	63.0	B	6.1	7.2	2.9	18.0	36.0	A	
10	Kumbakonam	3017	No flow							No flow					
11	Mayiladurai	3018	No flow							No flow					
12	R.N. Pudur	1322	6.1	7.9	2.4	17.0	39.0	A	5.2	7.9	3.0	11.0	17.0	A	
13	Vairapalayam	1320	5.9	7.2	2.7	17.0	26.0	A	5.9	7.4	3.0	14.0	47.0	A	
14	P. Velur	1323	6.1	7.9	2.4	11.0	17.0	A	6.0	8.0	2.1	20.0	32.0	A	
15	Mohanur	1324	6.0	7.6	2.4	9.3	17.0	A	6.0	7.8	2.1	12.0	24.0	A	
16	Thirumukkudal	1451	6.8	7.5	2.2	<1.8	4.5	A	6.8	8.2	2.3	40.0	17.0	A	
17	Trichy Upstream	1202	6.5	7.5	2.8	6.8	47.0	A	6.2	7.6	2.8	18.0	40.0	A	
18	Trichy Downstream	1325	6.2	7.5	2.9	6.8	43.0	A	6.8	8.5	2.8	20.0	40.0	A	
19	Grand Anaicut	1203	5.7	7.5	3.0	<1.8	7.8	A	6.0	8.1	2.9	18.0	36.0	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



TAMIL NADU POLLUTION CONTROL BOARD

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

Water Quality Status of Polluted River Stretches

**River Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM -
Priority - III**

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	Mettur	50	6.2	7.0	2.1	17.0	33.0	A
2	Pallipalayam	51	6.4	7.2	2.7	26.0	47.0	A
3	Musiri Borewell	32	Half Yearly Sample					
4	Musiri Ferry Gate	31	7.2	7.1	2.0	9.0	4.9	A
5	Komarapalayam	3012	6.4	7.4	2.4	11.0	39.0	A
6	Urachikottai	3013	6.3	8.4	2.6	11.0	17.0	A
7	Seerampalayam	3014	6.2	7.5	2.1	22.0	39.0	A
8	Pugalur	3015						A
9	Pettavaithalai	3016	4.5	7.3	3.0	14.0	98.0	A
10	Kumbakonam	3017	5.6	7.9	2.4	7.8	24.0	A
11	Mayiladurai	3018	No Flow					
12	R.N. Pudur	1322	6.3	8.1	2.0	11.0	17.0	A
13	Vairapalayam	1320	6.4	7.9	3.1	17.0	39.0	A
14	P. Velur	1323	6.2	6.9	2.1	14.0	32.0	A
15	Mohanur	1324	6.2	7.9	2.1	14.0	39.0	A
16	Thirumukkudal	1451						A
17	Trichy Upstream	1202	4.2	7.1	3.0	7.8	43.0	A
18	Trichy Downstream	1325	6.2	7.3	3.0	7.8	49.0	A
19	Grand Anaicut	1203	4.5	7.5	2.0	4.5	21.0	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



TAMIL NADU POLLUTION CONTROL BOARD

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

Water Quality Status of Polluted River Stretches

**River Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM -
Priority - III**

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	Mettur	50	6.2	7.6	2.4	6.8	17.0	A
2	Pallipalayam	51	6.3	7.6	2.1	21.0	33.0	A
4	Musiri Ferry Gate	31	6.4	7.6	1.6	5.5	20.0	A
5	Komarapalayam	3012	5.9	7.5	2.4	14.0	22.0	A
6	Urachikottai	3013	6.3	8.6	2.1	8.2	24.0	A
7	Seerampalayam	3014	6.0	7.6	2.1	21.0	33.0	A
8	Pugalur	3015	6.1	8.1	2.8	6.0	14.0	A
9	Pettavaithalai	3016	7.2	7.5	2.4	6.8	17.0	A
11	Mayiladurai	3018	No Flow					
12	R.N. Pudur	1322	6.0	8.3	2.4	14.0	70.0	B
13	Vairapalayam	1320	5.9	7.8	2.7	24.0	47.0	A
14	P. Velur	1323	5.7	8.0	2.7	20.0	32.0	A
15	Mohanur	1324	5.9	8.1	2.1	14.0	33.0	A
16	Thirumukkudal	1451	6.2	7.9	2.5	8.2	11.0	A
17	Trichy Upstream	1202	7.8	7.5	1.8	9.2	24.0	A
18	Trichy Downstream	1325	7.1	7.5	2.2	6.8	21.0	A
19	Grand Anaicut	1203	7.9	7.7	1.8	12.0	25.0	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

