

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 - I

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	Mettur	50	5.9	7.7	<2	31	84	B	6.0	6.66	<2	33	110	B	6.4	6.79	<2	49	110	B	6.7	6.48	<2	32	94	B		
2	Pallipalayam	51	5.9	7.4	<2	92	210	B	6.5	6.6	<2	130	270	B	6.7	6.79	<2	170	330	B	No Flow							
3	Musiri Borewell	32	No Flow						-	No Flow						-	No Flow						6.8	7.5	2.6	68	460	B
4	Musiri Ferry Gate	31	7.7	7.4	2.3	49	130	B	7.6	7.6	<2	30	63	B	7.4	7.58	2.6	79	140	B	7.4	8.63	2.4	45	230	B		
5	Komarapalayam	3012	6.0	6.7	<2	43	94	B	7.0	6.9	<2	46	110	B	6.7	6.91	<2	63	150	B	6.7	6.26	<2	92	210	B		
6	Urachikottai	3013	6.1	7.8	<2	43	84	B	6.1	6.2	<2	27	79	B	6.3	7.1	<2	31	63	B	6.3	6.8	<2	61	120	B		
7	Seerampalayam	3014	6.1	6.5	<2	26	63	B	6.8	6.9	<2	31	84	B	7.0	6.83	<2	31	70	B	6.6	6.19	<2	43	94	B		
8	Pugalur	3015	6.0	7.6	<2	230	490	B	6.0	6.7	2.1	170	390	B	6.1	6.78	2.6	250	580	C	6.3	6.65	2.6	310	630	C		
9	Pettavaithalai	3016	7.8	7.7	2.4	58	120	B	7.4	7.7	2.4	33	110	B	7.3	7.63	2.6	49	130	B	7.8	8.5	2.3	130	700	C		
10	Kumbakonam	3017	6.8	7.5	3	33	84	B	6.9	7.6	2.8	31	84	B	7.4	7.49	2.4	46	110	B	7.3	8.15	2.6	110	700	C		
11	Mayiladurai	3018	6.4	7.3	<2	58	120	B	5.9	6.6	<2	68	110	B	No Flow						-	No Flow						
12	R.N. Pudur	1322	6.0	7.5	<2	31	70	B	6.0	6.3	<2	47	94	B	6	6.47	<2	31	84	B	6.6	6.64	<2	120	270	B		
13	Vairapalayam	1320	5.9	7.1	2.2	31	63	B	5.9	7.0	<2	31	70	B	6.2	6.39	<2	32	94	B	6.4	6.54	<2	17	39	A		
14	P. Velur	1323	6.0	7.7	<2	170	320	B	6.1	6.2	<2	210	410	B	6.3	6.65	<2	200	380	B	6.6	7.29	<2	210	430	B		
15	Mohanur	1324	6.0	7.5	<2	210	460	B	6.3	6.2	<2	210	430	B	6.5	6.79	<2	200	390	B	6.5	7.24	<2	210	400	B		
16	Thirumukkudal	1451	6.1	6.8	<2	230	460	B	6.0	6.0	2.1	170	380	B	6.4	7.11	<2	220	490	B	6.2	6.9	<2	250	580	C		
17	Trichy Upstream	1202	7.6	7.6	2.2	120	260	B	7.5	7.8	2.2	170	310	B	7.3	7.52	2.4	170	390	B	7	8.34	2.4	61	210	B		
18	Trichy Downstream	1325	7.8	7.5	2	630	1400	C	7.3	7.7	2.4	470	1200	C	7.4	7.47	2.5	630	1500	C	7.1	7.5	2.8	78	230	B		
19	Grand Anaicut	1203	7.5	7.6	2.0	27	79	B	7.5	7.7	2.0	26	70	B	7.3	7.41	2.8	33	79	B	6.9	7.97	2.9	230	110	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.																			
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 Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM - Priority - I

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	Mettur	50	6.6	6.4	0.6	43	94	B	7.2	6.4	<2	33	110	B	8.5	6.6	1.2	31	110	B	8.3	6.5	<2	32	94	B	
2	Pallipalayam	51	6.2	6.1	1.6	210	430	C	7.8	4.9	1	210	400	B	8.1	6.3	<2	230	460	B	7.5	6.5	<2	210	470	B	
3	Musiri Borewell	32	No flow						-	No flow						-	No flow						-				
4	Musiri Ferry Gate	31	8.6	7.2	2.2	43	120	B	8.7	7.9	2.2	63	140	B	7.3	7.6	<2	32	94	B	7.2	7.6	2.6	70	150	B	
5	Komarapalayam	3012	6.9	6.0	1.2	170	320	B	8.1	5.8	1.7	140	220	B	7.8	6.6	2	170	310	B	7.1	7.2	<2	170	330	B	
6	Urachikottai	3013	6.5	6.1	1.7	31	63	B	7.8	6.3	<2	31	70	B	8.1	6.8	<2	33	79	B	7.7	7.2	<2	31	63	B	
7	Seerampalayam	3014	6.3	6.0	0.5	27	79	B	8.1	6.0	0.7	46	110	B	7.9	6.9	<2	33	110	B	7.3	6.8	<2	63	150	B	
8	Pugalur	3015	7.0	6.1	1.3	250	580	C	7.7	6.4	<2	220	490	B	7.9	6.6	<2	170	390	B	7.4	6.8	<2	140	330	B	
9	Pettavaithalai	3016	8.8	6.9	2.4	33	110	B	8.5	7.8	2.3	58	120	B	7.5	8	<2	33	110	B	7.1	7.2	<2	63	140	B	
10	Kumbakonam	3017	8.2	6.8	2.6	33	79	B	8.4	7.9	2.2	31	70	B	8.5	6.7	2.6	23	58	B	7.3	7.8	<2	31	63	B	
11	Mayiladurai	3018	No flow						-	6.9	6.3	<2	21	46	A	8.3	<2	31	70	B	7.3	7.2	2.2	46	110	B	
12	R.N. Pudur	1322	7.1	6.0	1	140	330	B	No flow						-	8.1	6	<2	84	170	B	7.7	7	<2	140	280	B
13	Vairapalayam	1320	6.5	6.0	1.4	17	46	A	7.5	6.5	<2	17	48	A	7.9	6.9	<2	22	49	A	7.5	7.1	<2	14	39	A	
14	P. Velur	1323	7.0	6.2	1.4	210	390	B	8.3	7.1	0.8	260	470	B	8.2	6.2	<2	230	430	B	7.7	6.4	<2	120	260	B	
15	Mohanur	1324	7.0	6.3	1.3	170	310	B	8.4	7.8	1.5	310	700	C	8.0	6.3	<2	210	460	B	7.8	6.4	<2	120	220	B	
16	Thirumukkudal	1451	6.9	6.2	0.6	220	490	B	8.7	6.1	<2	310	630	C	8.1	6.5	<2	140	330	B	7.6	6.9	<2	150	400	B	
17	Trichy Upstream	1202	8.7	7.0	2.5	220	490	B	8.5	7.6	2.4	210	430	B	7.4	7.9	2	170	390	B	7.5	7.4	<2	310	630	C	
18	Trichy	1325	8.4	7.0	2.3	840	1700	C	8.4	7.6	2.5	1400	2200	C	7.3	7.9	2	840	1700	C	7.1	7.3	<2	700	1500	C	
19	Grand Anaicut	1203	8.0	7.1	2.2	31	63	B	8.3	7.4	2.4	26	70	B	8.3	6.5	2.6	31	63	B	7.3	7.5	<2	33	70	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 Cauvery - Polluted river stretches from Mettur to Mayiladuthurai - 200 KM - Priority - III

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	Mettur	50	8.0	6.9	<2	31	84	B	7.3	6.5	<2	12	27	A	8.4	6.5	<2	17	94	B	7.1	6.9	<2	14	26	A		
2	Pallipalayam	51	8.0	6.5	<2	130	280	B	7.3	6.2	<2	46	110	B	8.1	6.9	<2	17	39	A	8.2	6.9	<2	24	47	A		
3	Musiri Borewell	32	No flow						-	8.0	7.5	<2	18	330	B	7.6	6.6	2.8	11	26	A	No flow						-
4	Musiri Ferry Gate	31	7.4	7.3	<2	63	120	B	7.8	7.8	<2	40	110	B	8.62	7.3	2.4	26	39	A	7.58	8.1	3	12	24	A		
5	Komarapalayam	3012	7.9	6.8	<2	130	280	B	7.5	6.5	<2	17	48	A	8.0	5.6	<2	26	94	B	8.2	6.2	2.1	17	39	A		
6	Urachikottai	3013	8.1	6.9	<2	25	58	B	8.1	6.7	<2	33	79	B	8.2	6.8	<2	27	70	B	8.3	6.9	<2	17	39	A		
7	Seerampalayam	3014	8.2	6.7	<2	49	130	B	7.3	6.5	<2	31	70	B	8.1	6.2	2.1	33	47	A	8.1	6.9	<2	27	39	A		
8	Pugalur	3015	7.9	6.8	<2	150	340	B	7.7	6.9	<2	120	260	B	8.3	5.9	<2	120	170	B	8.4	6.2	<2	20	39	A		
9	Pettavaithalai	3016	7.6	7.4	<2	33	94	B	7.9	7.7	<2	68	430	B	7.8	6.7	2.3	33	110	B	7.48	8.1	3	14	33	A		
10	Kumbakonam	3017	7.4	7.7	2.8	31	84	B	7.8	7.6	<2	45	230	B	7.8	6.5	2.9	17	24	A	7.7	7.7	<2	32	170	B		
11	Mayiladurai	3018	7.6	6.2	2.7	31	63	B	7.7	6.2	2.4	58	120	B	7.9	6.8	<2	39	47	A	8.0	6.7	<2	20	38	A		
12	R.N. Pudur	1322	7.6	6.5	<2	43	84	B	8.3	6.2	<2	46	110	B	8.3	5.7	3	70	170	B	8.4	6.5	2	24	39	A		
13	Vairapalayam	1320	7.6	6.9	<2	21	46	A	7.7	6.7	<2	14	33	A	8.2	5.9	2.9	46	110	A	7.9	5.2	3.6	14	33	A		
14	P. Velur	1323	7.9	6.2	<2	120	260	B	7.5	6.2	<2	43	120	B	8.4	6.5	<2	39	47	A	8.1	6.8	<2	20	33	A		
15	Mohanur	1324	8.0	6.7	<2	91	250	B	7.5	6.2	<2	58	150	B	8.4	6.2	<2	26	39	A	8.2	6.9	<2	21	47	A		
16	Thirumukkudal	1451	7.6	6.9	<2	210	430	B	7.9	6.7	<2	110	250	B	8.5	5.8	<2	17	32	A	No flow						-	
17	Trichy Upstream	1202	7.4	7.6	<2	310	630	C	7.8	7.6	<2	36	130	B	7.7	7.2	2	70	140	B	7.6	7.3	3		39	A		
18	Trichy Downstream	1325	7.4	7.6	<2	460	1100	C	7.8	7.8	<2	<1.8	170	B	8.0	6.6	<2	140	280	B	7.9	6.4	2	47	220	B		
19	Grand Anicut	1203	7.4	7.3	<2	27	79	B	7.8	7.5	<2	91	630	C	7.5	7.0	<2	20	39	A	7.6	6.9	2.1	14	33	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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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																			