



TAMIL NADU POLLUTION CONTROL BOARD

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

Water Quality Status of Polluted River Stretches

River Thirumanimutharu - Polluted river stretches from Salem to Papparapatti - 15 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	Uthamasolapuram (River)	3022	3.2	7.0	14	310	630	E	Nil	6.7	26	630	1200	E	6.0	6.7	2.6	330	790	C	4.9	6.2	6.3	1100	2100	E

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-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	Uthamasolapuram (River)	3022	7.0	0.2	13.6	310	700	E	6.8	Nil	6	460	1100	E	7.6	Nil	36	1700	2800	E	7.5	Nil	60	2100	3900	E				
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-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	Uthamasolapuram (River)	3022	7.5	2.5	15	2100	4300	E	7.6	2.5	16	430	840	E	7.5	2.5	15	940	1200	E	7.6	3.6	9	260	940	E
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																	