



TAMIL NADU POLLUTION CONTROL BOARD

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

Water Quality Status of Polluted River Stretches

River Vasista - Polluted river stretches from Manivilundhan to Thiyaganur - 10 KM - Priority-I

Sl. No.	Name of station	Station Code No.	Jan-23						Feb-23						Mar-23						Apr-23					
			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	D.O mg/L	pH	BOD at 27° C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class
1	Thulukkanur (River)	3023	7.6	Nil	120	2100	14000	E	7.7	1.1	24.0	1700	3200	E	7.0	Nil	60	14000	39000	E	2.5	7.8	15.0	2100	11000	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-23						Jun-23						Jul-23						Aug-23					
			D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class
1	Thulukkanur (River)	3023	0.9	7.7	27.0	14000	40000	E	0.9	8.0	18.0	39	280	E	Nil	7.6	60.0	390000	470000	E	3.7	7.5	6.0	7800	24000	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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Water Quality Status of Polluted River Stretches

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Sl. No.	Name of station	Station Code No.	Sep-23						Oct-23					
			D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class	D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	DBU Class
1	Thulukkanur (River)	3023	6.0	6.9	2.7	1100	2100	C	3.9	7.9	6.0	2100	7000	F

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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**River Vasista - Polluted river stretches from Manivilundhan to Thiyaganur - 10 KM -
Priority - I**

Sl. No.	Name of station	Station Code No.	Nov-23					DBU Class
			D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	
1	Thulukkanur (River)	3023	3.0	7.3	7.0	1700	2700	F

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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**River Vasista - Polluted river stretches from Manivilundhan to Thiyaganur - 10 KM -
Priority - I**

Sl. No.	Name of station	Station Code No.	Dec-23					DBU Class
			D.O mg/L	pH	BOD at 27 ^o C mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	
1	Thulukkanur (River)	3023	2.3	7.4	7.6	9	20	III

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