

## 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

|  |  |                     |          | Jan-22 |                               |                           |   |  |          | Feb-22  |                               |                           |                           |           |          | Mar-22  |                               |                           |                           |           |           | Apr-22 |                               |                           |                           |           |  |
|--|--|---------------------|----------|--------|-------------------------------|---------------------------|---|--|----------|---|-------------------------------|---------------------------|---------------------------|-----------|----------|---------|-------------------------------|---------------------------|---------------------------|-----------|-----------|--------|-------------------------------|---------------------------|---------------------------|-----------|--|
| SI.<br>No.   | Name of station  | Station<br>Code No. | D.O mg/L | Hd     | BOD at 27 <sup>o</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml   | DBU Class  | D.O mg/L | Hd  | BOD at 27 <sup>o</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml | DBU Class | D.O mg/L | Hd      | BOD at 27 <sup>0</sup> C mg/L | Fecal coliform MPN/100 ml | Fotal coliform MPN/100 ml | DBU Class | D.O mg/L  | На     | BOD at 27 <sup>o</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml | DBU Class |  |
| 1  | Uthamasolapuram<br>(River)                                 | 3022                | 3.2      | 7.0    | 14                            |                           | 630   |  |          | 6.7   |                               | 630                       |                           | E         |          | 6.7     |                               |                           | 790                       |           |           | 6.2    |                               |                           |                           |           |  |
|  | DBU Class-Designate  | d Best Use          |          | С      | lass c                        | of wate                   | er  | Criteria   |          |   |                               |                           |                           |           |          |         |                               |                           |                           |           |           | 1      |                               |                           |                           |           |  |
| Drinki<br>treatn   | ing Water Source without co<br>nent but after disinfection |                     |          |        |                               | 4                         |   | Total Coliforms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5. Dissolved Oxygen 6mg/l or more.<br>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. |  |          |   |                               |                           |                           |           |          |         |                               |                           |                           |           | 54        |        |                               |                           |                           |           |  |
| Drinking Water Source after conventional treatment<br>and disinfection |  |                     |          |        | C Total C                     |                           |   |  |          | Total Coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9<br>Dissolved Oxygen 4mg/l or more.<br>Biochemical Oxygen Demand 5 days 20 C 3mg/l or less. |                               |                           |                           |           |          |         |                               |                           |                           |           |           |        |                               |                           |                           |           |  |
|  | Propagation of Wild life and Fisheries D                   |                     |          |        |                               |                           |   | pH be  | tween    | 6.5 to  | 8.5 Dis                       | solved                    | Oxygen                    | 5mg/l     | or mo    | re. Fre | e Amn                         | nonia (                   | as N) 1                   | 1.2 mg    | /l or le: | SS.    |                               |                           |                           |           |  |
| Irrigation, Industrial cooling, Controlled E                           |  |                     |          |        |                               |                           |   |  |          |   |                               |                           | Conduc                    |           |          |         |                               |                           |                           |           | 2001032   |        |                               |                           |                           |           |  |



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## River Thirumanimutharu - Polluted river stretches from Salem to Papparapatti - 15 KM - Priority-I

|  |  |                     |       | May-22   |                               |                           |   |   | Jun-22 |          |                               |                           |                          |           |        | Jul-22  |                               |                          |                          |           |                 | Aug-22   |                               |                          |                          |           |  |  |
|--|--|---------------------|-------|----------|-------------------------------|---------------------------|---|---|--------|----------|-------------------------------|---------------------------|--------------------------|-----------|--------|---|-------------------------------|--------------------------|--------------------------|-----------|-----------------|----------|-------------------------------|--------------------------|--------------------------|-----------|--|--|
| SI.<br>No.   | Name of station                                  | Station<br>Code No. | Hd    | D.O mg/L | BOD at 27 <sup>0</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml   | DBU Class   | Hd     | D.O mg/L | BOD at 27 <sup>0</sup> C mg/L | Fecal coliform MPN/100 ml | otal coliform MPN/100 ml | DBU Class | Hd     | D.O mg/L  | BOD at 27 <sup>0</sup> C mg/L | ecal coliform MPN/100 ml | otal coliform MPN/100 ml | DBU Class | Hd              | D.O mg/L | BOD at 27 <sup>o</sup> C mg/L | ecal coliform MPN/100 ml | otal coliform MPN/100 ml | DBU Class |  |  |
| 1  | Uthamasolapuram<br>(River)                       | 3022                | 7.0   | 0.2      | 8                             | 310                       |   | E   | 6.8    | Nil      | 6                             | 460                       | 1100                     | E         | 7.6    | Nil   | 36                            | 1700                     | 2800                     | E         | <u>a</u><br>7.5 | Nil      | 60                            | 2100                     | <br>3900                 | E         |  |  |
|  | DBU Class-Designate                              |                     |       |          | Class of                      | of water                  |   |   |        | -        |                               |                           |                          |           |        | C   | riteria                       |                          |                          |           |                 |          |                               |                          |                          |           |  |  |
| but af   | ing Water Source without con<br>ter disinfection | nventional trea     | tment |          | 1                             | 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.   |        |          |                               |                           |                          |           |        |   |                               |                          |                          |           |                 | 5C       |                               |                          |                          |           |  |  |
|  | oor bathing (Organised)                          |                     |       |          | E                             | 3                         |   | 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<br>and disinfection C |  |                     |       |          |                               |                           | Total Coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9<br>Dissolved Oxygen 4mg/l or more.<br>Biochemical Oxygen Demand 5 days 20 C 3mg/l or less. |   |        |          |                               |                           |                          |           |        |   |                               |                          |                          |           |                 |          |                               |                          |                          |           |  |  |
| Propagation of Wild life and Fisheries D                                 |  |                     |       |          |                               |                           |   |   |        |          |                               |                           |                          |           | mmonia | (as N) 1  | .2 mg/l or                    | less.                    |                          |           |                 |          |                               |                          |                          |           |  |  |
|  |  |                     |       |          |                               |                           |   |   |        |          |                               |                           |                          |           |        | pH between 6.5 to 8.5 Dissolved Oxygen 5mg/l or more. Free Ammonia (as N) 1.2 mg/l or less.<br>pH between 6.5 to 8.5. Electrical Conductivity at 25 ,micro mhos/cm Max.2250 |                               |                          |                          |           |                 |          |                               |                          |                          |           |  |  |



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|  |  |                        |           |          | Sep                           | o-22                      |   |           |   | Oct-22     |                               |                           |                           |           |                       |            | Nov-22                        |                           |                           |           |         |          | Dec-22                        |                           |                           |           |  |  |  |
|--|--|------------------------|-----------|----------|-------------------------------|---------------------------|---|-----------|---|------------|-------------------------------|---------------------------|---------------------------|-----------|-----------------------|------------|-------------------------------|---------------------------|---------------------------|-----------|---------|----------|-------------------------------|---------------------------|---------------------------|-----------|--|--|--|
| SI.<br>No                                    | Name of station                        | Station<br>Code<br>No. | Hd        | D.O mg/L | BOD at 27 <sup>0</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml   | DBU Class | Hd  | D.O mg/L   | BOD at 27 <sup>0</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml | DBU Class | Hd                    | D.O mg/L   | BOD at 27 <sup>0</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml | DBU Class | Hd      | D.O mg/L | BOD at 27 <sup>0</sup> C mg/L | Fecal coliform MPN/100 ml | Total coliform MPN/100 ml | DBU Class |  |  |  |
| 1  | Uthamasolapuram<br>(River)             | 3022                   | 7.5       | 2.5      | 15                            | 2100                      | 4300  | Е         | 7.6   | 2.5        | 16                            | 430                       | 840                       | Е         | 7.5                   | 2.5        | 15                            | 940                       | 1200                      | Е         | 7.6     | 3.6      | 9                             | 260                       | 940                       | Е         |  |  |  |
| DBU  | Class-Designated Best Use              |                        |           |          |                               | Cla                       | ass of wa   | ter       | Criteria  |            |                               |                           |                           |           |                       |            |                               |                           |                           |           |         |          |                               |                           |                           |           |  |  |  |
|  | ing Water Source without con<br>ection | ventional trea         | atment bu | ut after |                               |                           | А   |           | 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. |            |                               |                           |                           |           |                       |            |                               |                           |                           |           |         |          | ays'20                        |                           |                           |           |  |  |  |
| 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<br>$\circ$ C 3mg/l or less. |           |   |            |                               |                           |                           |           |                       |            |                               |                           |                           |           | days 20 |          |                               |                           |                           |           |  |  |  |
|  |  |                        |           |          |                               |                           | Total Coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9<br>Dissolved Oxygen 4mg/l or more.<br>Biochemical Oxygen Demand 5 days 20 C 3mg/l or less.           |           |   |            |                               |                           |                           |           |                       |            |                               |                           |                           |           |         |          |                               |                           |                           |           |  |  |  |
| Propagation of Wild life and Fisheries D     |  |                        |           |          |                               |                           | pH betw   | een 6.5 t | o 8.5 Dis   | solved O   | xygen 5n                      | ng/l or mo                | ore. Free                 | Ammonia   | a (as N) <sup>-</sup> | 1.2 mg/l c | or less.                      |                           |                           |           |         |          |                               |                           |                           |           |  |  |  |
| Irrigation, Industrial cooling, Controlled E |  |                        |           |          |                               |                           |   | pH betw   | een 6.5 t   | o 8.5. Ele | ectrical C                    | Conductiv                 | ty at 25 ,                | micro mh  | nos/cm M              | ax.2250    |                               |                           |                           |           |         |          |                               |                           |                           |           |  |  |  |