



# Solapur Municipal Corporation, Solapur

Public Health Engineer Department

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PHE/BHIMA- 989

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## Water testing report of Soregaon WTP

| Sr.No | Test Parameter                         | Raw Water         | Treated Water | BIS Specification 10500 : 2012 Normal values |                    |
|-------|--|-------------------|---------------|--|--------------------|
|       |  |                   |               | Desirable Limits                             | Permissible Limits |
|       |  |                   | 01            |  |                    |
| 1     | Physical appearance                    | Slightly greenish | Clean         |  |                    |
| 2     | Odour                                  | Odourless         | Odourless     | Agreeable                                    | Agreeable          |
| 3     | Turbidity (as NTU)                     | 4.8               | 0.6           | 1.0  | 5.0                |
| 4     | pH Values                              | 8.19              | 7.64          | 6.5 to 8.5                                   | No relaxation      |
| 5     | Chlorides (as Cl)                      | 274.95            | 279.95        | 250  | 1000               |
| 6     | Ammonia                                | Absent            | Absent        | 0.5  | No relaxation      |
| 7     | Total Hardness (as CaCO <sub>3</sub> ) | 350               | 340           | 200  | 600                |
| 8     | Alkalinity (as CaCO <sub>3</sub> )     | 210               | 200           | 200  | 600                |
| 9     | Total Dissolved Solids                 | 754               | 759           | 500  | 2000               |
| 10    | Residual chlorine                      | —                 | 4.5           | --   | --                 |
| 10    | Dissolved oxygen                       | 3.0               | 7.0           | 6.5  | 8.0                |
| 11    | Electrical conductivity                | 1.61              | 1.59          |  |                    |
| 12    | Temperature                            | —                 | —             |  |                    |
| 13    | Bacterial count (MPN)                  | —                 | —             |  |                    |

R.S.K.  
Chemist

Soregaon WTP