



## Solapur Municipal Corporation, Solapur

Public Health Engineer Department

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PHE/BHIMA-1404

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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 |
| 1     | Physical appearance                    | Slightly greenish | Clear         |  |                    |
| 2     | Odour                                  | Odourless         | Odourless     | Agreeable                                    | Agreeable          |
| 3     | Turbidity (as NTU)                     | 3.8               | 0.7           | 1.0  | 5.0                |
| 4     | pH Values                              | 8.21              | 7.81          | 6.5 to 8.5                                   | No relaxation      |
| 5     | Chlorides (as Cl)                      | 314.95            | 309.95        | 250  | 1000               |
| 6     | Ammonia                                | Absent            | Absent        | 0.5  | No relaxation      |
| 7     | Total Hardness (as CaCO <sub>3</sub> ) | 420               | 410           | 200  | 600                |
| 8     | Alkalinity (as CaCO <sub>3</sub> )     | 300               | 290           | 200  | 600                |
| 9     | Total Dissolved Solids                 | 1001              | 1009          | 500  | 2000               |
| 10    | Residual chlorine                      | -                 | 4.5           | -  | -                  |
| 10    | Dissolved oxygen                       | 1.2               | 6.4           | 6.5  | 8.0                |
| 11    | Electrical conductivity                | -                 | -             |  |                    |
| 12    | Temperature                            | -                 | -             |  |                    |
| 13    | Bacterial count (MPN)                  | 16                | 0             |  |                    |

R.S.  
Chemist  
Soregaon WTP