

| NAME OF THE ULB - <b>BARANAGAR</b>                         |   |   |  |                        |
|--|---|---|--|------------------------|
| <b>Action Plan to reduce water losses to less than 20%</b> |   |   |  |                        |
| (From 2015-2020)   |   |   |  |                        |
| (Website Edition)  |   |   |  |                        |
| Sl. No.  | Basic Information on water supply   |   | Quantity                               | Unit                   |
| A  | Total area of the ULB (IN Sq.KM):-  |   | 7.12                                   | Sq.Km                  |
| B  | Population of the ULB:- (as on 2011)  |   | 245213                                 | Nos.                   |
| C  | Water demand (In Litre/Day):-   |   | 33103755                               | Lit.                   |
| D  | Water generated (In Litre/Day):-  |   | 21639388                               | Lit.                   |
| E  | Total Water generated (In Litre/Day):-  |   | 21639388                               | Lit.                   |
| F  | Water Supplied in Litre/Day :-  |   | 17311511                               | Lit.                   |
|  | 1. Domestic Use (Litre/Day):-   |   |  | Lit.                   |
|  | 2. Industrial Use (Litre/Day):-   |   |  | Lit.                   |
|  | 3. Commercial Use (Litre/Day):-   |   |  | Lit.                   |
|  | 4. Social Use (Litre/Day):-   |   |  | Lit.                   |
| G  | Volume of water losses (Quantity of Water produced less Quantity of water delivered to users) in Litre:-  |   | 4327877                                | Lit.                   |
| H  | Percentage of water losses per day :-   |   | 24.99999567                            | %                      |
| I  | Benchmark i.e. 20% (Target of Savings in Water Use & Supply)  |   | 4327877.6                              | Lit.                   |
| J  | Water loss to be reduced per day  |   | -1                                     | Lit.                   |
| Sl. No.  | List of potential corrective measures to reduce water losses in ULB area  | Volume of water losses expected to be reduced in Lit. | Reduction of water losses expected (%) | Year of Implementation |
|  | I   | III   | IV                                     | V                      |
| 1  | Repairing of Major leakages or water losses area in the city<br>1. Pump House<br>2. Pumps and Valves<br>3. Storage Reservoirs   | -0.15   | 25                                     | 2016-17                |
| 2  | Repairing and Maintenance of Distribution System<br>1. Leak Detection<br>2. Timely response to visible maintenance issues<br>3. Development of system zones<br>4. Release Valves & Wash Out Valves<br>5. Replacement or repair of service connections and water mains<br>6. Corrosion Control   | -0.15   | 25                                     | 2016-17                |
| 3  | Monitoring of Metering Systems<br>1. Identification and Reduction of unauthorised Connections<br>2. Prevention of Water losses in Street Taps<br>3. Installation of new Meters at consumer level<br>4. Testing of production and sales meters<br>5. Re-specifying, re-sizing and replacement of meters<br>6. Improvements to meter reading methods<br>7. Billing improvements | -0.15   | 25                                     | 2018-19                |
| 4  | Installation of Automatic shut-off valves for automatic closure of storage tanks in<br>1. Individual Households<br>2. Educational Institutions<br>3. Industrial Areas<br>4. Commercial Areas (Hotel, Restaurants etc)<br>5. Social Areas (Hospital, Bus Stop etc.)  | -0.12   | 20                                     | 2018-19                |
| 5  | Consumer Education<br>1. Advise consumers by producing understandable and informative water bill<br>2. Promoting repairs and replacements<br>3. Installation of meter connections   | -0.03   | 5                                      | 2018-19                |
| Total:-  |   | -0.600000001  | 100                                    |                        |

**Remarks (Not to be uploaded in website)**

Data to be filled up by ULB

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As per SLIP

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H= % of "G" w.r.t. "F"

I= 20% of "E"

Col-III= 25% of Row-J  
And Col-V Filled up by ULB

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And Col-V Filled up by ULB

Col-III= 25% of Row-J  
And Col-V Filled up by ULB

Col-III= 20% of Row-J  
And Col-V Filled up by ULB

Col-III= 5% of Row-J  
And Col-V Filled up by ULB

Executive Officer

Chairperson