



MAHESHTALA MUNICIPALITY

OFFICE OF THE BOARD OF COUNCILLORS

P.O. – MAHESHTALA, DIST. – SOUTH 24 PARGANAS, PIN – 700 141

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Action plan of Maheshtala Municipality

Preamble : Water Audit including non-revenue water or losses audit is one of the Reforms Milestones for AMRUT (Atal Mission for Rejuvenation and Urban Transformation) cities. The State Govt. in the Municipal Affairs Department has set up guidelines for preparation and implementation of action plan for reduction of water losses to less than 20%. Basing upon these set of guidelines the Maheshtala Municipality has adopted Action Plan.

At present at a rough estimate the water losses in Maheshtala Municipality are about 40%. As such reduction of water loss is a primary need for which an intensive action plan has been adopted by Maheshtala Municipality for implementation from 2016-17 and onwards.

Objectives

- 1) Periodical maintenance of pipe line
- 2) Pipe line leakage forthwith repair.
- 3) With stakeholders involvement pilferage is to be strictly restricted.

Action Plan

(1) Wardwise complete data base of water supply pipe line shall be created as on 31.03.2016 as primary and existing statistics.

The data base shall be updated on quarterly basis in July, October, January and April every year.

(2) Details of all domestic house-hold connection, industrial, commercial and apartment connections wardwise ferrulewise, userwise as on 31.03.2016 as primary and existing statistics shall be created as data base.

The data base shall be updated on quarterly basis in July, October, January and April every year.

(3) The KMWSA shall also be requested to furnish the data base for the above two points for the FAWS area (Frnige Area water supply) maintained by KMWSA.

(4) Insistence on UGR

For getting watersupply connection there UGR in the premises shall be insisted upon.

(5) Leakage management.

The ward Councillors including the respective Ward Committee members and Area Sabha members shall send report in writing through fax/e-mail or recording in the complaint register or over telephone (during the office hours) describing the exact location of pipeline leakage.

Any member of the public may also draw the attention of the Water Supply Department in similar way.

(1) There shall be a leakage management cell comprising the SAE and Technical Assistants. The cell shall depute licensed plumbers for leakage repair within 24 hours or 48 hours in case of holidays.

The licensed plumbers shall repair the leakage immediately on getting instruction from the cell. They shall take time and dated photographs before digging the earth for repair, during the repair and after the repair. The leakage repair report shall be signed by any user in the area and countersigned by the Ward Councillor before releasing payment to the respective plumbers and the payment shall be duly registered with preservation of photographs and counter-signed reports.

The Water Supply Department shall prepare a model calculation sheet for effecting payment for leakage repair job. The enlisted water supply maintenance contractors shall be entrusted with the job for immediate compliance.

(2) Pilferage control management.

The councillors shall report in writing about any incidence of pilferage of taking out illegal water supply connection. The water supply department shall cause immediate inspection of incidence of any such pilferage, disconnect the connection and lodge FIR with the respective Police Station against the person who has adopted unfair means for water connection and including the licensed plumber, if identified being associated with such pilferage job.

The Ward Committee and Area Committee shall be associated with the action plan in order to restrain the incidence of pilferage. The general public may also come forward to draw the attention of Maheshtala Municipality.

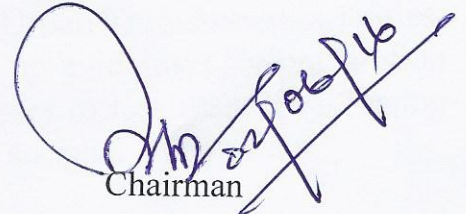
(3) Installation of control valve

Appropriate action shall be taken by the Water Supply Department to install control valve at all stand posts and non-return (Ball cock) valve at underground reservoir of house hold premises at the cost of Maheshtala Municipality in order to control overflow of supply.

- (4) The ward committee and Area Sabha shall associated in restraining households using potable water for gardening, vehicle washing etc.
- (5) From 2018-19 installation of water meter shall be up in phases for commercial industrial and domestic connections.
- (6) The Water Supply Department shall place before the municipal authority a quarterly report stating the implementation of the action plan.
- (7) The Action Plan shall be uploaded in the municipal website for information of the general public and appropriate action.



Nodal Officer
AMRUT



Chairman
Maheshtala Municipality

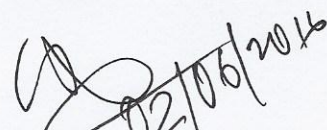
NAME OF THE ULB: MAHESHTALA MUNICIPALITY

Action Plan to reduce water losses to less than 20%

(From 2015-2020)

(Website Edition)

Sl. No.	Basic Information on water supply	Quantity	Unit	
A	Total area of the ULB (IN Sq.KM.):-	44.16	Sq.Km	
B	Population of the ULB:- (as on 2011)	449423	Nos.	
C	Water demand (In Litre/Day):-	60672105	Lit.	
D	Water generated (In Litre/Day):-	73405757	Lit.	
E	Total Water generated (In Litre/Day):-	73405757	Lit.	
F	Water Supplied in Litre/Day :-	44043454	Lit.	
	1. Domestic Use (Litre/Day):-	34353894	Lit.	
	2. Industrial Use (Litre/Day):-	3523476	Lit.	
	3. Commercial Use (Litre/Day):-	5285214	Lit.	
	4. Social Use (Litre/Day):-	880869	Lit.	
G	Volume of water losses (Quantity of Water produced less Quantity of water delivered to users) in Litre:-	29362303	Lit.	
H	Percentage of water losses per day :-	40	%	
I	Volume of water losses (in percentage) to be reduced to achieve MoUD	14681151	Lit.	
J	Water loss to be reduced per day	14681151	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	II	III	IV	V
1	Repairing of Major leakages or water losses area in the city 1. Pump House 2. Pumps and Valves 3. Storage Reservoirs	3670288	25	2017-2019
2	Repairing and Maintenance of Distribution System 1. Leak Detection 2. Timely response to visible maintenance issues 3. Development of system zones 4. Pressure Management by installation of Pressure Reduction Valves, Air Release Valves & Wash Out Valves 5. Replacement or repair of service connections and water mains 6. Corrosion Control	3670288	25	2017-2019
3	Monitoring of Metering Systems 1. Identification and Reduction of unauthorised Connections 2. Prevention of Water losses in Street Taps 3. Installation of new Meters at consumer level 4. Testing of production and sales meters 5. Re-specifying, re-sizing and replacement of meters 6. Improvements to meter reading methods 7. Billing improvements	3670288	25	2017-2019
4	Installation of Automatic shut-off valves for automatic closure of storage tanks in 1. Individual Households 2. Educational Institutions 3. Industrial Areas 4. Commercial Areas (Hotel, Restaurants etc) 5. Social Areas (Hospital, Bus Stop etc.)	2936230	20	2016-2018
5	Consumer Education 1. Aid consumers by producing understandable and informative water bill 2. Plumbing retrofits and replacements 3. Importance of Water Conservation	734058	5	2016-2019
Total:-		14681151	100	


02/06/2016
Executive Officer


02/06/16
Chairperson