


KAKINADA MUNICIPAL CORPORATION

ACTION PLAN TO REDUCE WATER LOSSES

(A reform initiative under AMRUT 2015-16)

Action Plan to reduce Water losses < 20%				
(From 2018-2020)				
(Website Edition)				
Sl. No.	Basic Information on Water Supply	Quantity	Unit	
1	Total area of the ULB	31.39	Sq.Km	
2	Population of the ULB(as on 2011 census)	325985	Nos.	
3	Water Demand (In Litre/Day)	44007975	Lit.	
4	Water generated (In Litre /Day)	60000000	Lit.	
5	Total Water generated (In Litre/Day)	60000000	Lit.	
6	Water Supplied (In Litre/Day)	45000000	Lit.	
7	Volume of Water losses per day	15000000	Lit.	
8	Percentage of Water losses per day	25	%	
9	Volume of Water losses (In percentage) to be reduced to achive MoUD Benchmark i.e. 20% (Target of savings in water Use & supply)	12000000	Lit.	
10	Water loss to be reduced per day	3000000	Lit.	
Sl. No.	List of Potential measures to reduce water losses in ULB area	Volume of Water losses expected to be reduced in Lit.	Reduction Water losses expected (%)	Year of implementation
	II	III	IV	
	Repairing of Major leakages in the City			
1	1.Pump House 2.Pumps and Valves 3.Storage Reservoirs	750000	25	2015-2016
	Reparing and Maintenance Distribution system			
2	1.Leak Detection 2.Timely response to visible maintenance issues 3.Development of system zones 4.Pressure management by Istallation of Pressure Reduction Valves,Air Release Valves & Wash out Valves 5.Replacement or repair of service connections and water mains 6.Corrosion control	750000	25	2015-2016
	Monitoring of Metering Systems			
3	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	750000	25	2015-2016
	Installation of Automatic shut-off valves for automatic closure of storage tanks in			
4	1.Individual Households 2.Educational Institutions 3.Industrial Areas 4.Commercial Areas(Hotel,Restaurants..etc) 5.Social areas(Hospital,Bus stop..etc)	600000	20	2015-2016
	Consumer Education			
5	1.Aid consumers by producing understandable and informative bills 2.Plumbing retrofits and Replacements 3.Importance of Water Conservation	150000	5	2015-2016
	Total	3000000	100	


Executive Engineer
Kakinada Municipal Corporation


Commissioner
Kakinada Municipal Corporation

KAKINADA MUNICIPAL CORPORATION

ACTION PLAN TO REDUCE WATER LOSSES

(A reform initiative under AMRUT 2015-16)

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 Kakinada Municipal Corporation has adopted Action Plan.

At present at a rough estimate the water losses in Kakinada Municipal Corporation are about 25%. As such reduction of water loss is a primary need for which an intensive action plan has been adopted by Kakinada Municipal Corporation 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. Ward wise 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 ward wise ferrule wise, user wise 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 Kakinada Municipal Corporation shall also be requested to furnish the data base for the above two points for the FAWS area (Fringe Area water supply) maintained by Kakinada Municipal Corporation.
4. Insistence on UGR for getting water supply connection there UGR in the premises shall be insisted upon.
5. Leakage management.

The ward Councilors 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 Councilor 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 councilors 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 Kakinada Municipal Corporation.

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 Kakinada Municipal Corporation 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.


Executive Engineer
Kakinada Municipal Corporation


Commissioner
Kakinada Municipal Corporation