

## DUM DUM 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):-	9.73	Sq.Km	
B	Population of the ULB:- (as on 2011)	114786	Nos.	
C	Water demand (In Litre/Day):-	15496110	Lit.	
D	Water generated (In Litre/Day):-	7100000	Lit.	
E	Total Water generated (In Litre/Day):-	12000000	Lit.	
F	Water Supplied in Litre/Day :-	12000000	Lit.	
	1. Domestic Use (Litre/Day):-	5880000	Lit.	
	2. Industrial Use (Litre/Day):-	1100000	Lit.	
	3. Commercial Use (Litre/Day):-	220000	Lit.	
	4. Social Use (Litre/Day):-	150000	Lit.	
G	Volume of water losses (Quantity of Water produced less Quantity of water delivered to users) in Litre:-	4650000	Lit.	
H	Percentage of water losses per day :-	38.75	%	
I	20% (Target of Savings in Water Use & Supply)	2400000	Lit.	
J	Water loss to be reduced per day	2250000	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	562500	25	Ongoing
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	562500	25	Ongoing
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	562500	25	2019-20
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.)	450000	20	2019-20
5	Consumer Education 1. Aid consumers by producing understandable and informative water bill 2. Plumbing retrofits and replacements 3. Importance of Water Conservation	112500	5	2017-18
Total:-		2250000	100	

  
 Executive Officer

  
 Chairperson

**Executive Officer**  
**Dum Dum Municipality**  
 44, Dr. Sainen Das Sarani  
 Dum, Kolkata-700028

**Chairman.**  
**Dum Dum Municipality**

vide Re no, Addl. 2 of  
 BOC meeting held on  
 the 30<sup>th</sup> day of May, 2016  
 Gopa.  
 30.5.2016