

SOUTH DUMDUM 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.):-	17.39	Sq.Km	
B	Population of the ULB:- (as on 2011)	402844	Nos.	
C	Water demand (In Litre/Day):-	68021940	Lit.	
D	Water generated (In Litre/Day):-	49893960	Lit.	
E	Total Water generated (In Litre/Day):-	49893960	Lit.	
F	Water Supplied in Litre/Day :-	49893960	Lit.	
	1. Domestic Use (Litre/Day):-	36255960	Lit.	
	2. Industrial Use (Litre/Day):-	0	Lit.	
	3. Commercial Use (Litre/Day):-	9092000	Lit.	
	4. Social Use (Litre/Day):-	4546000	Lit.	
G	Volume of water losses (Quantity of Water produced less Quantity of water delivered to users) in Litre:-	2494698	Lit.	
H	Percentage of water losses per day :-	5	%	
I	Volume of water losses (in percentage) to be reduced to achieve MoUD Benchmark i.e. 20% (Target of Savings in Water Use & Supply)	9978792	Lit.	
J	Water loss to be reduced per day	-7484094	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	-1871023.5	25	2016
2	Repairing and Maintenance of Distribution System 1. Leak Detection 2. Timely response to visible maintenance issues 3. Development of system zones Valves, Air Release Valves & Wash Out Valves 5. Replacement or repair of service connections and water mains 6. Corrosion Control	-1871023.5	25	2018
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	-1871023.5	25	2017

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.)	-1496818.8	20	2019
5	Consumer Education bill 2. Plumbing retrofits and replacements 3. Importance of water conservation	-374204.7	5	2019
Total-		-7484094	100	

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06/02/16

Executive Officer
Executive Officer
South Dum Dum Municipality

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06/02/16

Chairman
Chairman
South Dum Dum Municipality