

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):-	11.71	Sq.Km	
B	Population of the ULB:- (as on 2011)	159413	Nos.	
C	Water demand (In Litre/Day):-	23672830	Lit.	
D	Water generated (In Litre/Day):-	15760000	Lit.	
E	Total Water generated (In Litre/Day):-	15760000	Lit.	
F	Water Supplied in Litre/Day :-	12523450	Lit.	
	1. Domestic Use (Litre/Day):-	12516450	Lit.	
	2. Industrial Use (Litre/Day):-	0	Lit.	
	3. Commercial Use (Litre/Day):-	5000	Lit.	
	4. Social Use (Litre/Day):-	2000	Lit.	
G	Volume of water losses (Quantity of Water produced less Quantity of water delivered to users) in Litre:-	3236550	Lit.	
H	Percentage of water losses per day :-	25.84391681	%	
I	Benchmark i.e. 20% (Target of Savings in Water Use & Supply)	3152000	Lit.	
J	Water loss to be reduced per day	84550	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	21137.5	25	2015-2020
2	Repairing and Maintenance of Distribution System 1. Leak Detection 2. Timely response to visible maintenance issues 3. Development of system zones Release Valves & Wash Out Valves 5. Replacement or repair of service connections and water mains 6. Corrosion Control	21137.5	25	2015-2020
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	21137.5	25	2015-2020
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.)	16910	20	2015-2020
5	Consumer Education 1. Aid consumers by producing understandable and informative water bill 2. Plumbing retrofits and replacements 3. Importance of water conservation	4227.5	5	2015-2020
Total:-		84550	100	


 Executive Officer
 Uttarpara-Kotrung
 Municipality


 Chairman

Chairman
Uttarpara-Kotrung
Municipality