

HALISAHAR 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):-	8.96	Sq.Km	
B	Population of the ULB:- (as on 2011)	124851	Nos.	
C	Water demand (In Litre/Day):-	17550000	Lit.	
D	Water generated (In Litre/Day):-	13881400	Lit.	
E	Total Water generated (In Litre/Day):-	13881400	Lit.	
F	Water Supplied in Litre/Day :-	11050000	Lit.	
	1. Domestic Use (Litre/Day):-		Lit.	
	2. Industrial Use (Litre/Day):-		Lit.	
	3. Commercial Use (Litre/Day):-		Lit.	
	4. Social Use (Litre/Day):-		Lit.	
G	Volume of water losses (Quantity of Water produced less Quantity of water delivered to users) in Litre:-	2831400	Lit.	
H	Percentage of water losses per day :-	25.62	%	
I	Benchmark i.e. 20% (Target of Savings in Water Use & Supply)	2776280	Lit.	
J	Water loss to be reduced per day	55120	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	13780	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	13780	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	13780	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.)	11024	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	2756	5	2015-2020
Total:-		55120	100	


Executive Officer
Halisahar Municipality


Chairman
Halisahar Municipality

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