

**BAIDYABATI 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.):-	12.09	Sq.Km	
B	Population of the ULB:- (as on 2011)	121081	Nos.	
C	Water demand (In Litre/Day):-	16345935	Lit.	
D	Water generated (In Litre/Day):-	1200000	Lit.	
E	Water Supplied in Litre/Day :-	1200000	Lit.	
	1. Domestic Use (Litre/Day):-	1164000	Lit.	
	2. Industrial Use (Litre/Day):-	0	Lit.	
	3. Commercial Use (Litre/Day):-	36000	Lit.	
	4. Social Use (Litre/Day):-	0	Lit.	
F	Volume of water losses (Quantity of Water produced less Quantity of water delivered to users) in Litre:-	120000	Lit.	
G	Percentage of water losses per day :-	10	%	
H	Benchmark i.e. 20% (Target of Savings in Water Use & Supply)	24000	%	
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	<b>Repairing of Major leakages or water losses area in the city</b> 1. Pump House 2. Pumps and Valves 3. Storage Reservoirs	6000	25	2020
2	<b>Repairing and Maintenance of Distribution System</b> 1. Leak Detection 2. Timely response to visible maintenance issues 3. Development of system zones 4. Release Valves & Wash Out Valves 5. Replacement or repair of service connections and water mains 6. Corrosion Control	6000	25	2020
3	<b>Monitoring of Metering Systems</b> 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	6000	25	2020
4	<b>Installation of Automatic shut-off valves for automatic closure of storage tanks in</b> 1. Individual Households 2. Educational Institutions 3. Industrial Areas 4. Commercial Areas (Hotel, Restaurants etc) 5. Social Areas (Hospital, Bus Stop etc.)	4800	20	2020
5	<b>Consumer Education</b> 1. Aid consumers by producing understandable and informative water bill 2. Plumbing retrofits and replacements 3. Importance of water conservation	1200	5	2020
Total:-		24000	100	

*[Signature]*  
02.06.16  
Executive Officer

**SWARUP PALODHI**  
Executive Officer  
Baidyabati Municipality

*[Signature]*  
02.06.16  
Vice chairman

**Brahmadas Biswas**  
Vice-Chairman  
Baidyabati Municipality