



सत्यमेव जयते
Government of Gujarat

GUJARAT

Urban Development Journey: Water & Sanitation Sector

Presentation to PAS@10

At
CEPT University
Ahmedabad

Date:20.06.2019

Gujarat Urban Development Mission
Govt of Gujarat
Gandhinagar- Gujarat

Gujarat

**Gujarat Population
6.04 Cr**

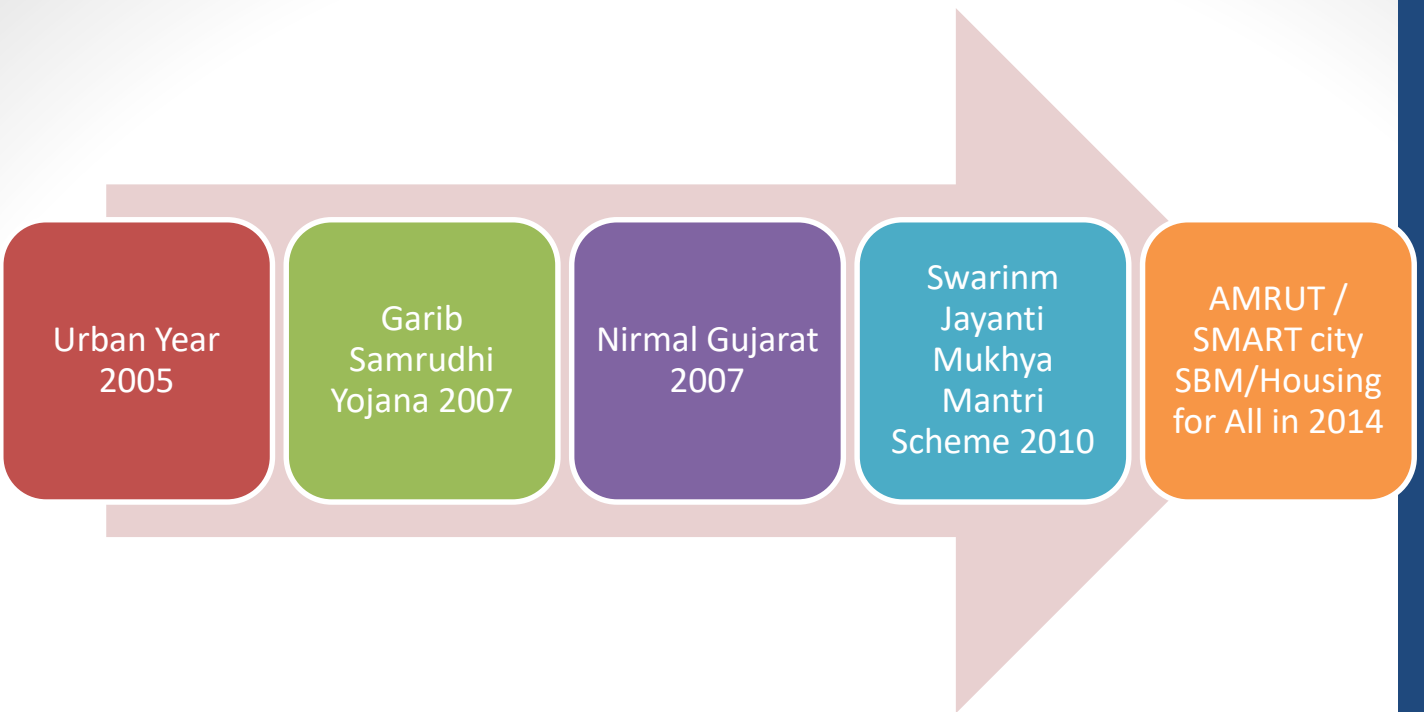
**Urban Population of
Gujarat
2.57 Cr (43%)**



		162 Municipalities			
170 Urban Local Bodies	8 Municipal Corporations	22	33	62	45
		Class-A (Population >1,00,000)	Class B (Population 50,001- 1,00,000)	Class C (Population 25,001- 50,000)	Class D (Population <25,000)

- Gujarat is one of the most progressive and developed state of the country.
- As per census 2011, State's present urbanization level is much higher than the national average of 31.16%. Gujarat

Gujarat Urban Development Journey



- Urban year 2005 outlined a comprehensive and holistic urban governance agenda
- Urban year has truly become a catalyst for implementation of the 74th Amendment to the Constitution. It also gave direction to the national urban renewal mission in the end of year 2005
- GSY 2007 provided specific focus for upliftment of Urban poor
- Nirmal Gujarat 2007 created path for clean and green cities
- Swarim Jayanti Mukhya Mantri Scheme provides schematic framework to support and sustain Urban 2005 agenda and administrative & fiscal reforms with **PPP and lokbhagidari**
- **Atal Mission for Rejuvenation and Urban Transformation (AMRUT)**, with focus to establish infrastructure that could ensure adequate robust sewage networks and water supply for urban transformation by implementing urban revival projects in cities
- **Smart city Mission**, is an urban renewal and retrofitting program by the Government of India with the mission to develop 100 cities across the country making them citizen friendly and sustainable
- **SBM- Swachh Bharat Mission ('Clean India Mission')** _Urban is a nation-wide campaign in India for the period 2014 to 2019 that aims to clean up the streets, roads and infrastructure of India's cities & towns, and rural areas.
- **Housing for all** is the scheme aimed to make India slum-free by 2022 by providing people with shelter or housing

Smart City Mission



Total Cities Covered

6

Ahmedabad, Surat, Rajkot,
Vadodara, Gandhinagar, Dahod

Total Urban Population
Impacted

1.35 crore

Total Cost of Projects
(Rs.Cr.)

18,122

Total Area Based
Development Cost
(Rs.Cr.)

9,680

Total PAN City
Solution Cost (Rs.Cr.)

3,329

Total Projects
Completed Cost
(Rs.Cr.)

1,844

Total Projects works in
progress Cost (Rs.Cr.)

5,996

Total Project DPRs
approved Cost (Rs.Cr.)

8,500

- Surat smart city was awarded the “City Award” for showing great momentum in categories of urban environment, transport and mobility and sustainable integrated development
- Ahmedabad Smart city’s Safe and Secure Ahmedabad (SASA) Project has won the “Innovative Idea Award” f in 2018.
- Vadodara has developed state of Command and Control Centre
- Rajkot has won the “Safe City Award 2018” for implementation of the eye-way project that involves developing a network of closed circuit televisions (CCTVs)
- Gandhinagar has developed Water ATMs under Smart city
- Dahod, the biggest tribal town in central Gujarat, is the only tribal town selected under the Smart Cities Mission



Mehsana Water Supply



Vadodara Rajivnagar STP



Vapi Garden

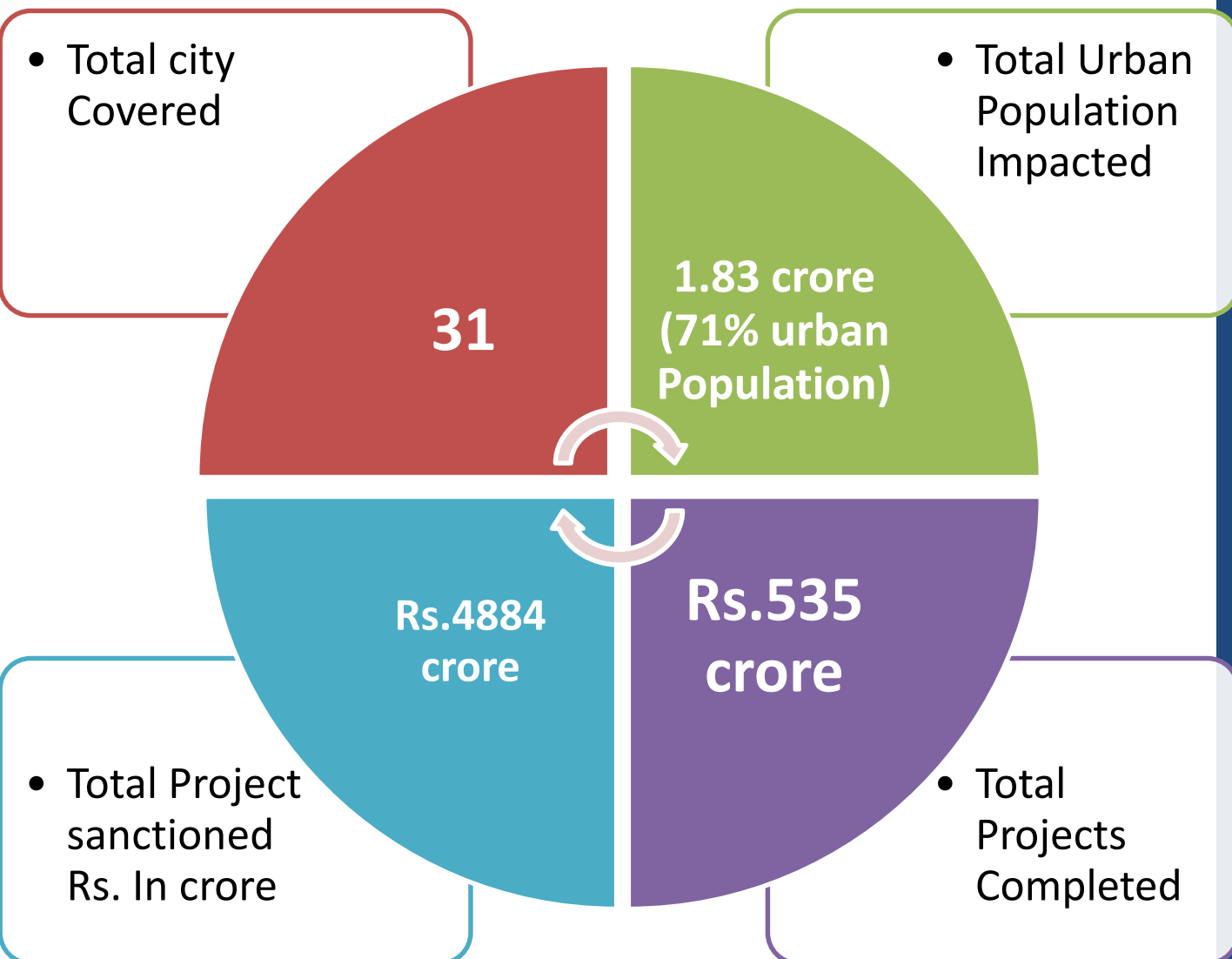


Nadiad NMT Project



Ahmedabad Cycle sharing

AMRUT mission



- Gujarat has won all three times reforms incentive grants under AMRUT
- Part of reforms, Implementation of reuse of recycle waste water is in place
- Gujarat is the first state to have NMT (Non-Motorised Transport) projects covering most of AMRUT cities
- Gujarat reaches target of 100% water supply to all in all AMRUT cities



**Individual Toilets
constructed
5,60,046**

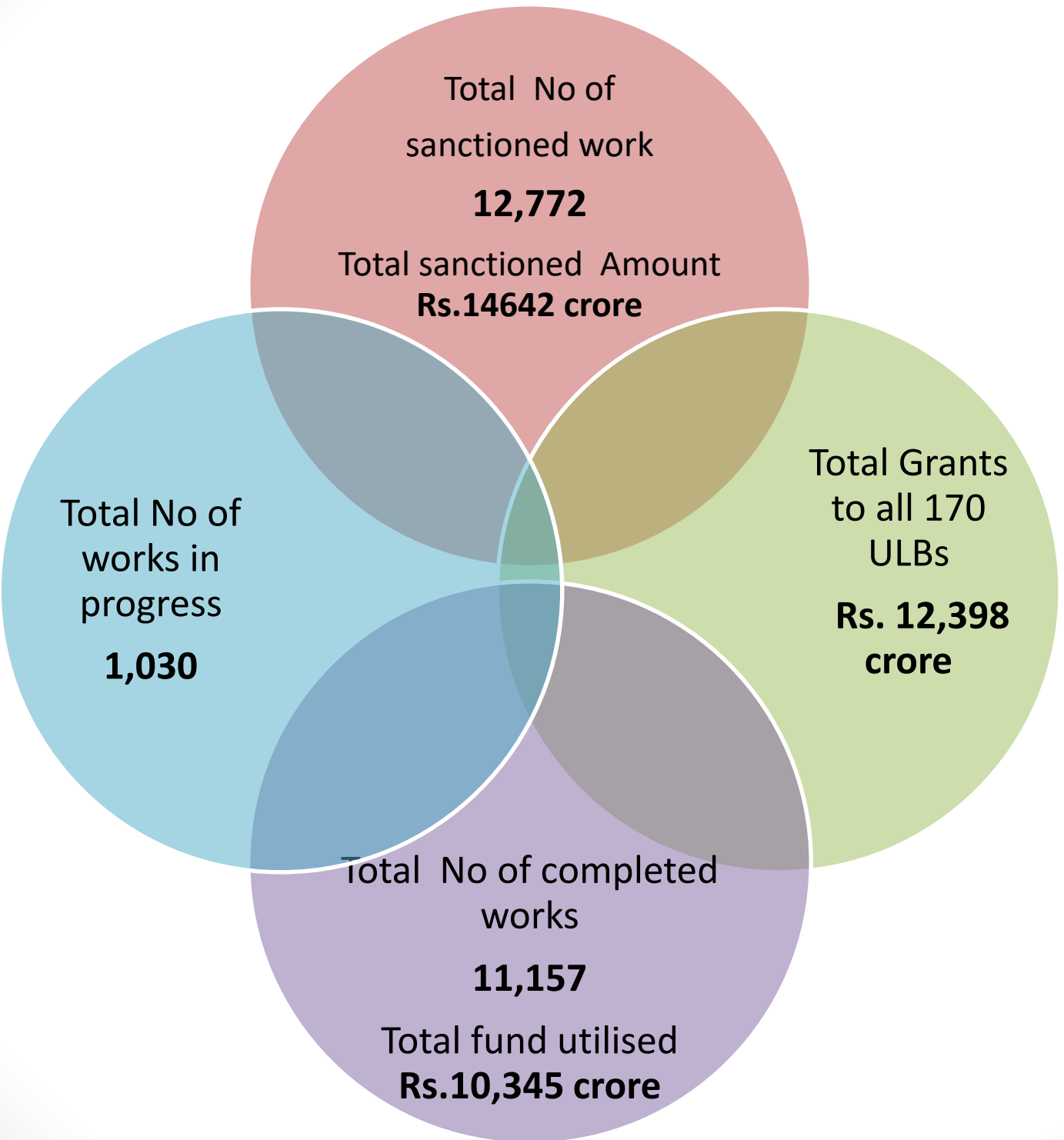
**Community Toilets 238
Public Toilets 373
under use in Urban Area**

**100% Door to Door
Collection in all 170
cities**

**Total Waste
Process 7560 Tonnes out
of total 11672 waste
generation in MT**

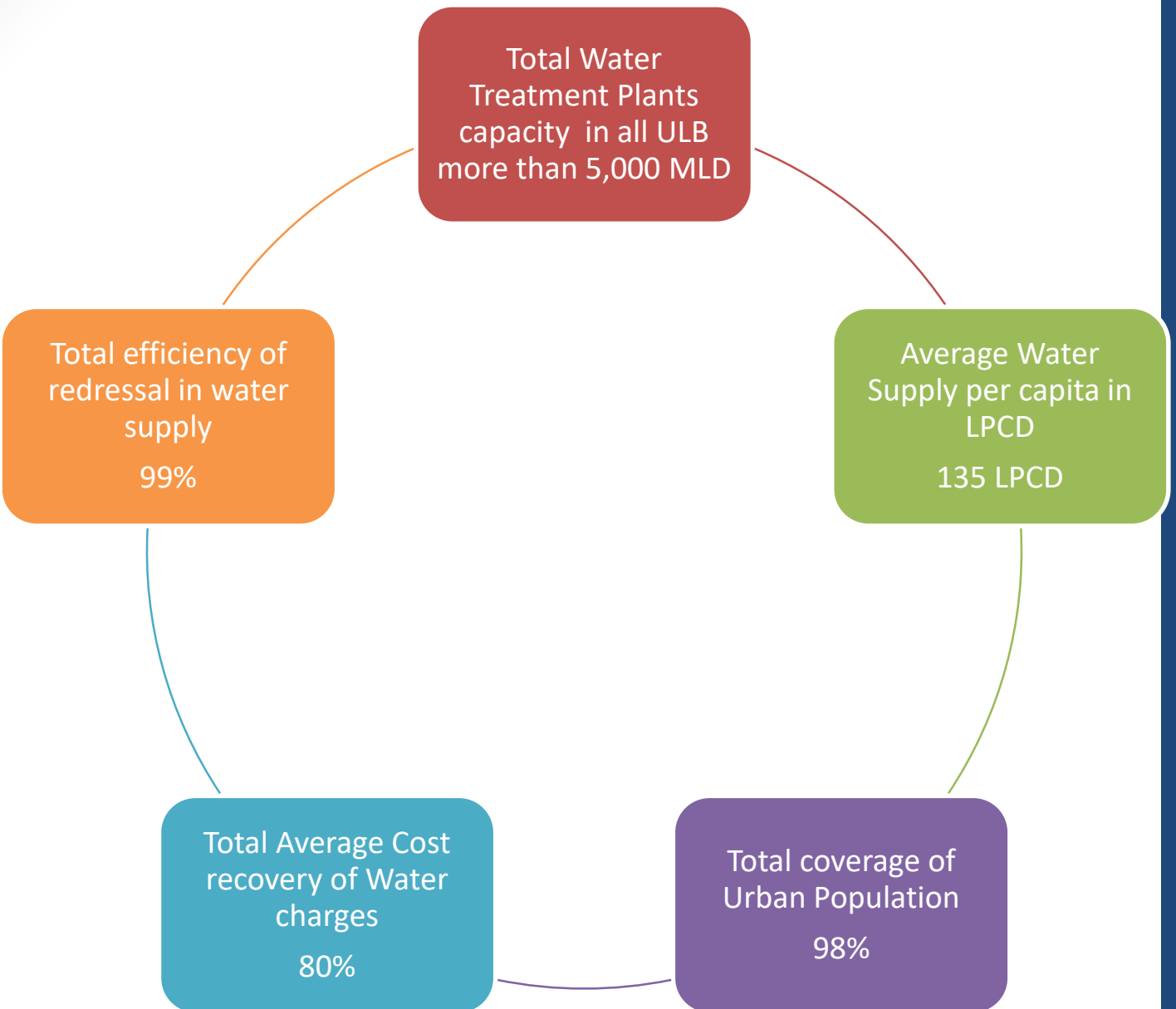
- Gujarat is the first State who become Open Defecation Free Cities in India
- Gujarat is pioneering to launch Sanitation policy and Public health bye laws in all 170 ULBs
- Rs. 12.5 crore was distributed in all Ulbs for purchasing of 3 type of vehicles. On world environment day dt.5-6-2018 two type of equipment were distributed by Hon'ble Chief Minister of Gujarat.
- Rs.357 crore has distributed for solid waste management detail project report to all 8 municipal corporation
- To Achieve Good result in Swachh sarvekshan 2019 in each city various IEC activates like hoardings, bus/Auto/train ad, LED advertisement, Swachhata App, Radio Campaign, Swachh Munch activities, ward Sabha.
- 6 Swachhata Rath Campaign for all ULB to achieve good marks in Swachh sarvekshan 2019

SJMMSVY: Infrastructure Development works





SJMMSVY: Water Supply



- Aim to cover 100% potable water to all in all ULBS of the State
- Total allocation of Rs.1520 core, 100% grant to all ULBs under SJMMSVY by the State – unique in the country
- Includes O & M
- Covered all ULBs and Urban Authorities during last 8 years

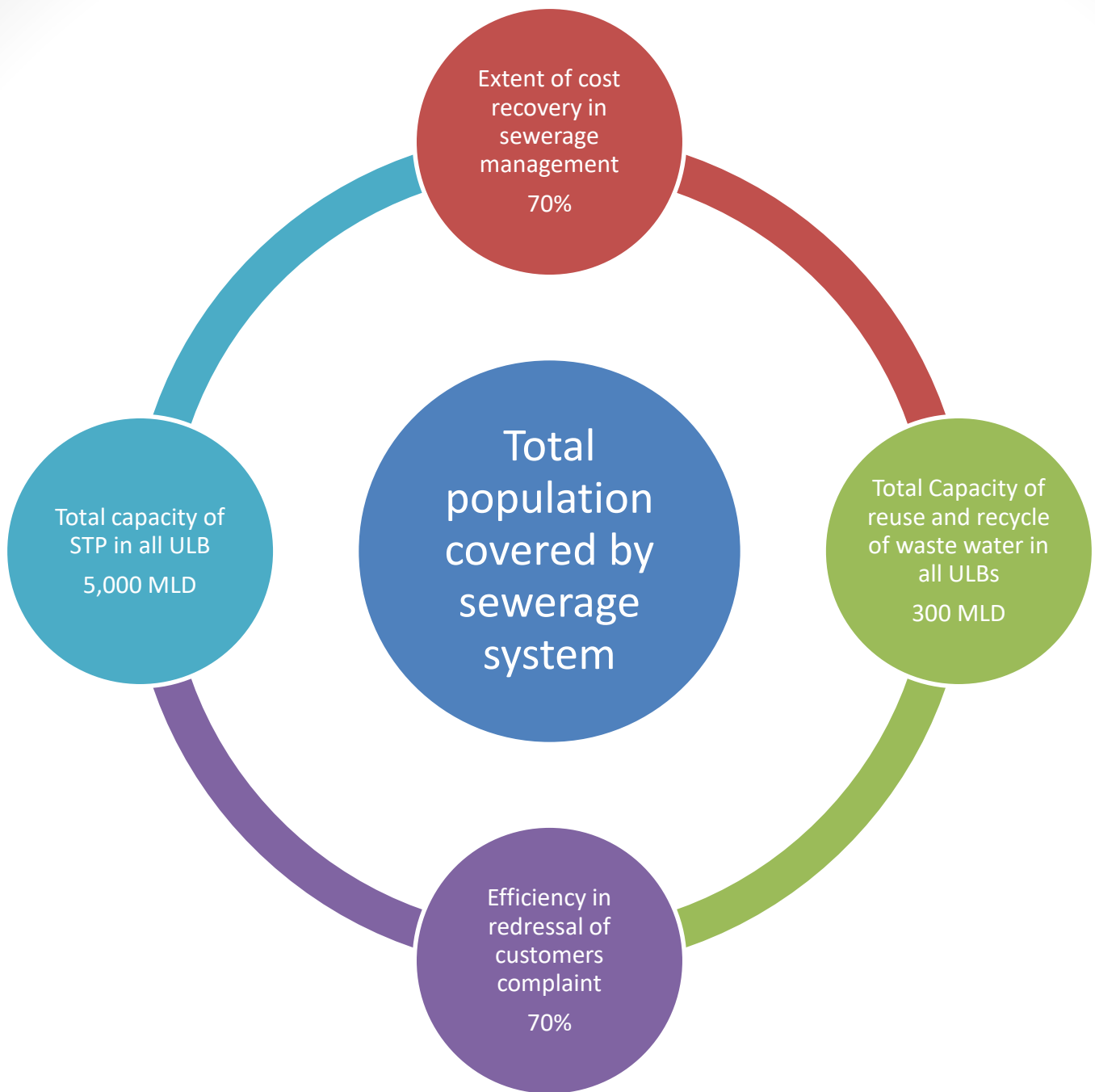


Bhesan- Sewage Treatment Plant
Surat Municipal Corporation



Ahmedabad Jalvihar STP

SJMMSVY: Sewerage



- Aim to cover 100% by piped sewerage network and Sewage Treatment Plant
- Total allocation of Rs.5676 core, 100% grant to all ULBs under SJMMSVY by the State – unique in the country
- Includes O & M
- Covered all ULBs and Urban Authorities

POLICY FOR REUSE OF TREATED WASTE WATER



To reach minimum 80% coverage and collection of sewage

To reach a level of 100% treatment of collected sewage

To reuse at least 25% of total fresh water consumption from TWW

To reuse 70% of TWW by 2025

To reuse 100% of TWW by 2030

Gujarat SLB

- GUDM is a nodal agency for publishing the SLBs relating to basic urban services
- GUDM organises centralise data collection workshops every year for SLBs
- As per Urban Development & Urban Housing Department's **Resolution No. NPL-4512-SF. 8-M dated 21st December, 2012 – TOR for the State level SLB Cell, CEPT University is supporting GoG in collecting, collating, analysing the SLBs using online SLB web portal.**
- More than 9 years data are recorded

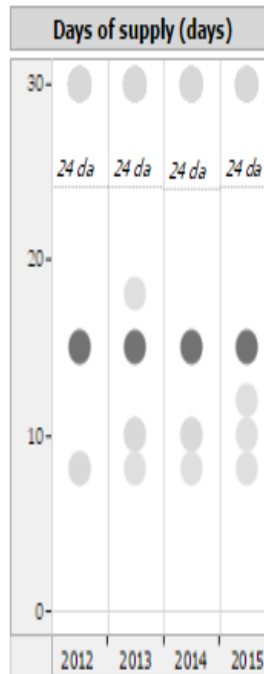
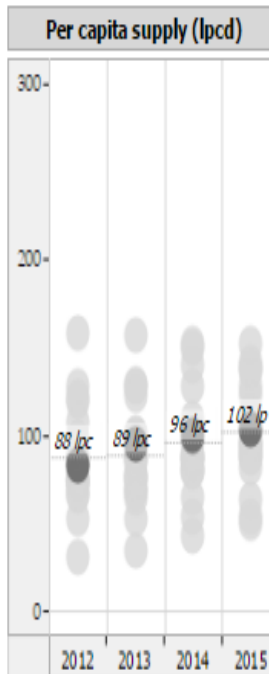
State and city level interactive

Interactive Dashboards

State Profile 1 | State Profile 2 | City Profile | Access and Coverage | Service levels and Quality | Financial Sustainability

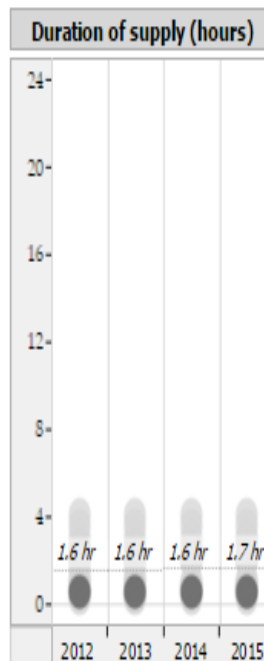
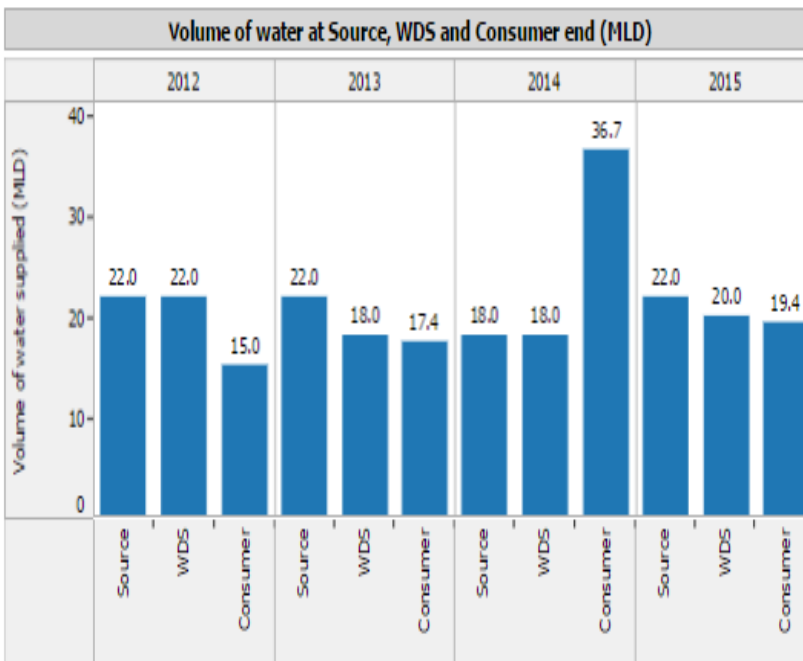
Indicators for Service levels and Quality in Water Supply

ULB : Surendranagar, Class : A



Select ULB

Anand
Bharuch
Botad
Gandhidham
Godhara
Jetpur
Kalol
Mehsana
Morbi
Nadiad
Navsari
Palanpur
Patan
Porbandar
Surendranagar
Valsad
Vapi
Veraval



Highlights of PAS activities in Gujarat

- ❑ **10 years** of extensive urban water supply and sanitation information for **all ULBs** of Gujarat
 - ❑ Converted **finance patrak into online module** and operational since last 3 years
 - ❑ Conducted various **capacity building** workshops for **state and ULB officials** on service level benchmarking
- ❑ Support to **3rd Gujarat State Finance Commission** to introduce performance based grant system
 - ❑ **Advisory support** to state government on various state documents like vision plan, road map for development, public health bye laws, etc.
- ❑ Conducted **preliminary water audit** in 10 cities of Gujarat
 - ❑ Supported cities for preparation of **performance improvement plans and information system improvement**
 - ❑ Prepared **various tools and standard operating procedures** for water quality testing, complaint redressal, septage management etc.

SLB: Gujarat Impact

Utilisation of existing infrastructure

- ❑ Drive for water supply and drainage connection from existing network
- ❑ Introduce better management contracts for optimum utilization of existing STPs/ UGD scheme/ SWM processing and scientific disposal sites

Efficiency in operation

- ❑ Conduct water and energy audit for all ULBs . (compulsory under AMRUT reforms)
- ❑ Install bulk flow meters at various sources, WDSs, ESRs, sumps etc. along with real time monitoring of water supplied and losses from various sources, treatment plant and distribution stations
- ❑ Segregation of municipal solid waste (Surat model needs to followed by other corporations)
- ❑ Focus on STP and Recycle and reuse of waste water to achieve SDG 6.2 and SDG 6.3

Information system improvement

- ❑ Integrating coverage related indicators in property assessment format
- ❑ Include Household level SLB indicators in ongoing GIS mapping exercise for **AMRUT** Cities
- ❑ Efforts to mainstream SLBs with e-governance system

SLB Impact: State Investment Plan

- Service Level Benchmarks as per MoUD is the basis for investment calculation
- Followings key objectives are considered for calculation of investment requirements
 1. Achieve universal coverage of water and sanitation services
 2. Adequate Water Supply at rate of 135 lpcd
 3. Improve efficiency of water supply system
 4. Make cities water secure
 5. Safe collection and conveyance of waste water, and its treatment and reuse

State Investment Plan for UWSS sector

Description	Rs in Cr (2016 prices)		
	MC	Municipality	State
Total Investment require in UWSS Sector (Rs in Crore) (A+B)	6,730	10,108	16,837
<i>A. Total Investment require in Water Sector (Rs in Crore)</i>	<i>4,233</i>	<i>5,262</i>	<i>9,495</i>
<i>B. Total Investment require in Waste water Sector (Rs in Crore)</i>	<i>2,497</i>	<i>4,846</i>	<i>7,343</i>

Big –Idea: Vision for new Gujarat



BIG Idea is vision for Gujarat aims_

- 100% water supply and piped sewerage network in all cities including Out Growth area
- Establishing Tertiary Treatment Plants ensuring 25% of waste water to be recycled
- Storm water Drainage in all major cities
- Modernisation of Solid Waste Management with focus on 100% treatment of Waste
- Strengthening of Public Transport in cities
- Eliminating Railway cross in all ULBs

Thanks..