

All India Mayors' Conference New Urban India



Presented by:
Secretary, Ministry of Housing & Urban Affairs
Varanasi | 17th December 2021

Outline

Rapid Urbanization- Challenges & Opportunities

Vision and Strategy for Urban Transformation

Sanitation & Cleanliness

Housing For All

Urban Water

Urban Livelihood

Smart Urbanization

Urban Mobility

Way Forward

"There was a time in our country when urbanization was considered a big problem. But I feel differently. We should not consider urbanization as a problem but consider it as an opportunity."

"Cities have the strength to 'digest' poverty and provide economic opportunities for the poorest coming from other less-developed areas. We must further strengthen the cities to increase this 'digestive' ability, make it faster and wider... economic prosperity will automatically follow"



Shri Narendra Modi
Prime Minister of India
25-06-2016, Pune

Urbanization offers **challenges** & **opportunities**



Urbanization has **challenges**



Unplanned Settlement



Urban Flooding



Health Disaster/ Pandemic



Filthy, Unsanitary Conditions



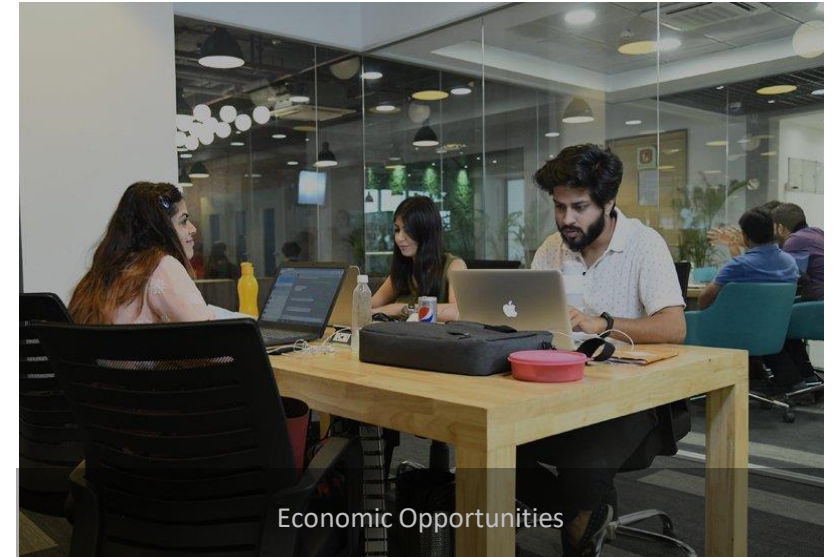
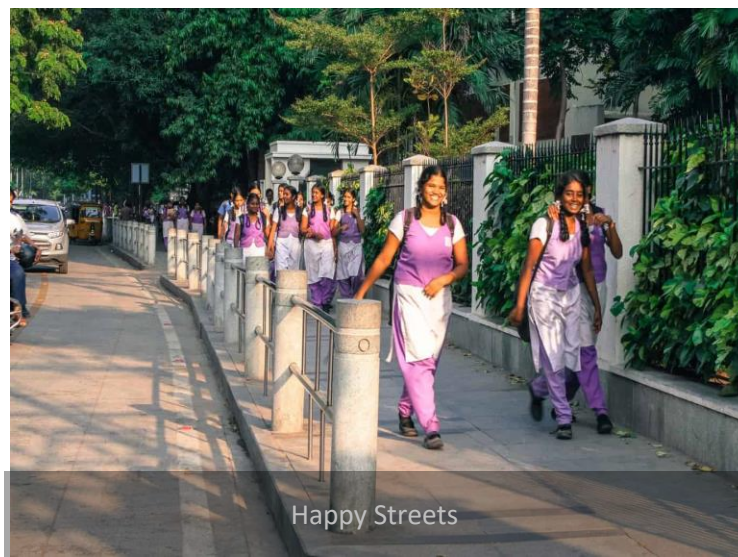
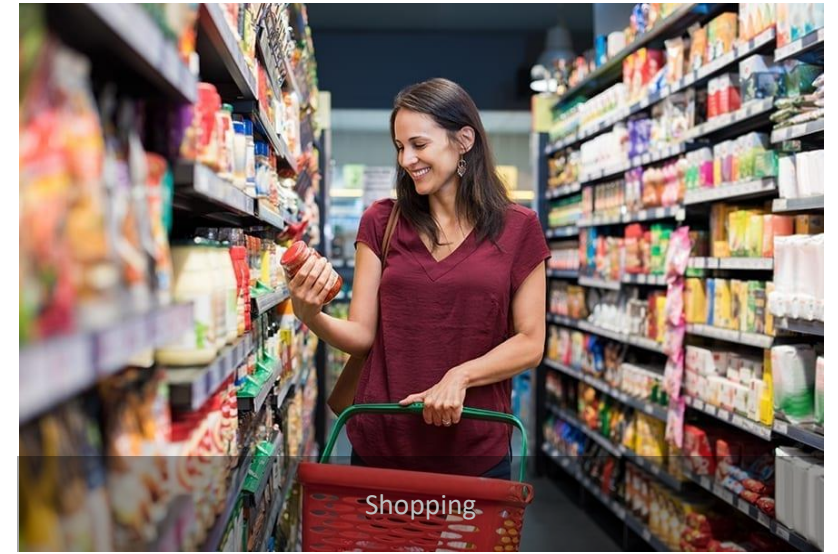
Traffic Congestion



Air Pollution

Haphazard Development- Pollution/ Congestion/ Disasters

Urbanization creates opportunities for better living



Planned Development, happy people, prosperous lives

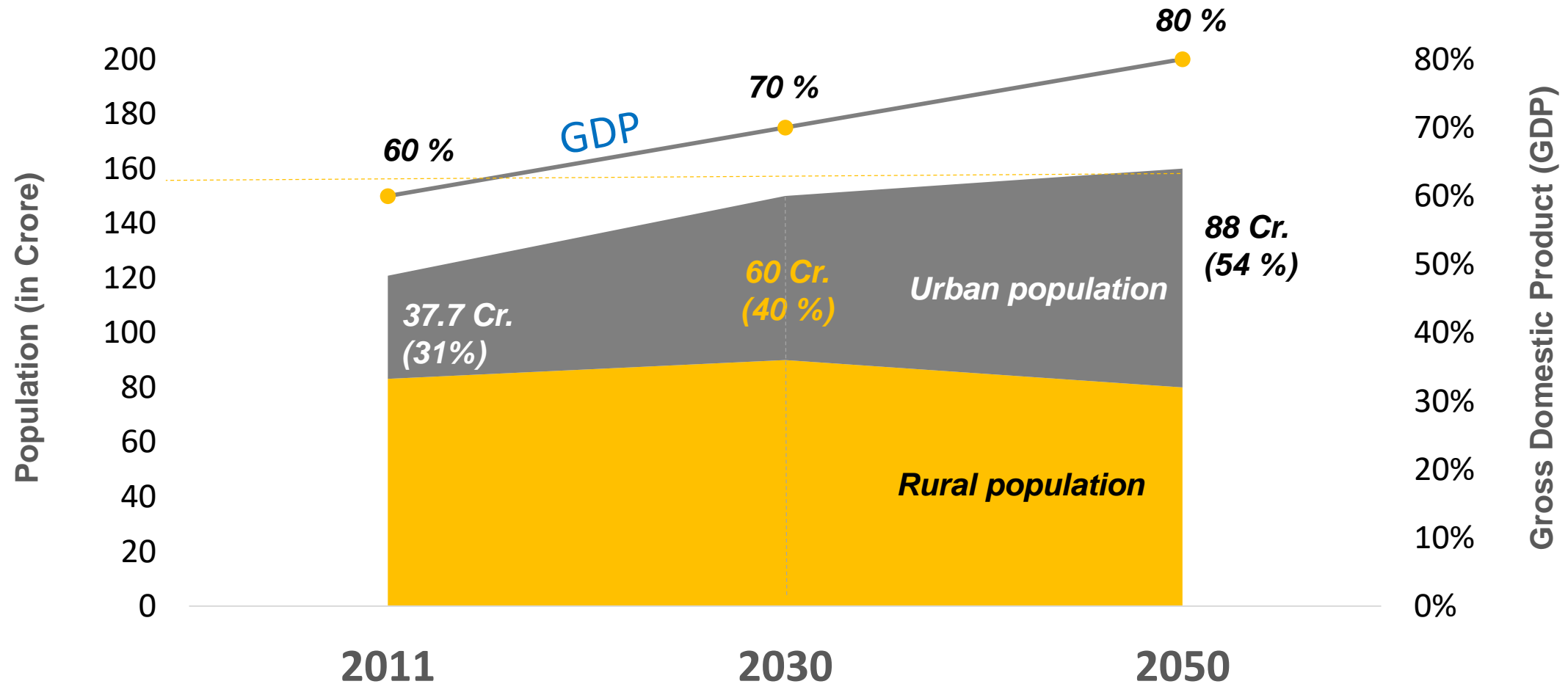
Urbanization Trend

Million+ Cities
(Numbers)

53

87

103



MoHUA's Vision

EASE OF LIVING



**RESPONSIVE
GOVERNANCE**



**CLEAN &
SUSTAINABLE
ENVIRONMENT**



**ECONOMIC
GROWTH &
LIVELIHOOD
OPPORTUNITIES**



Strategy for Urban Transformation

Liveability

Economic-ability

Sustainability

27

Metro Rail

100

Smart Cities

All Cities (4,800+)

**SBM (U) 2.0, AMRUT 2.0,
PMAY (U), DAY-NULM,
PM-SVANidhi**



Sanitation & Cleanliness (SBM-U)

Dignity, Safety, Health & Hygiene For All



Swachh Bharat Mission- Urban

100% Access to Toilets



66.90 Lakh
Household Toilets



6.42 lakh
Community &
Public Toilet seats



36* States/UTs
ODF

(*Excluding Purulia in WB)

Journey of Sanitation under SBM-U

Before



Now



Scientific Solid Waste Management

Waste Entrepreneurship & Formalization of Informal Sector



97% wards have
100% Door to Door Collection of
MSW

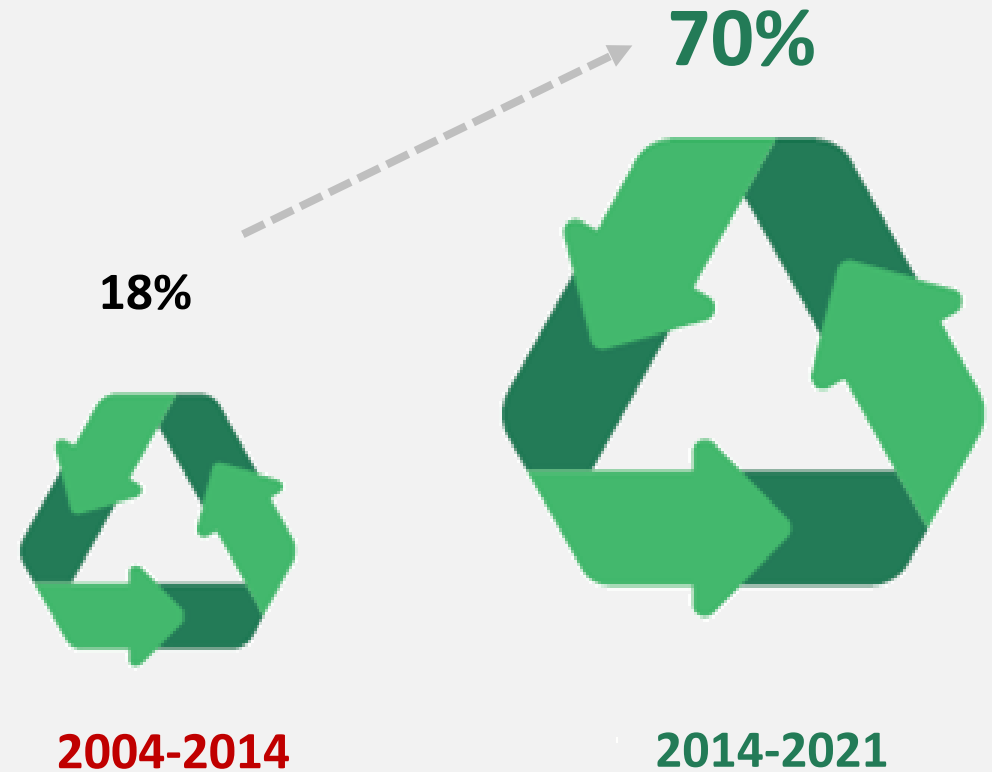


87% wards have
100% Segregation of MSW



9 cities 5-Star
166 cities 3-Star
167 cities 1-Star

Four-fold increase in Waste Processing (%)



Before



Now



Bio-Remediation in Indore, Madhya Pradesh

Before



Now



Dumping Yard to Sanitary Park in Ambikapur , Chhattisgarh

Swachh Bharat Mission

World's Largest Behavioral Change Programme in Sanitation





".... स्वच्छ भारत मिशन
(शहरी) २.० का लक्ष्य है
गार्बेज फ्री शहर, कचरे के
ढेर से पूरी तरह मुक्त,
ऐसा शहर बनाना"

Shri Narendra Modi

Prime Minister of India

*(Excerpt from the address of the Prime Minister on the occasion of launch of
Swachh Bharat Mission - Urban 2.0, on 1st October 2021)*



100% scientific solid waste management



Treatment of used water, including fecal sludge



Remediation of legacy dumpsites



‘Manhole to Machinehole’
(Occupational Safety for SafaiMitras)



In 154 cities:

- Mechanized sweeping
- C&D waste processing



Phased reduction in usage of Single-use plastic (SUP)

Clean Air, Clean Water, Clean Land

SBM- Urban 2.0: Expected Outcomes



**Cities to be certified
at least 3-star
Garbage Free, or
higher**



**All cities to become
at least ODF++
(Management of
faecal sludge)**



**At least 50% of all
cities to become
Water+
(Safe treatment and
reuse of treated
wastewater)**

Housing For All (PMAY-U)



QR-4: PMAY-U Website



PMAY (U): Key Features



Cafeteria Approach

Cooperative Federalism

Technological interventions

Women Empowerment

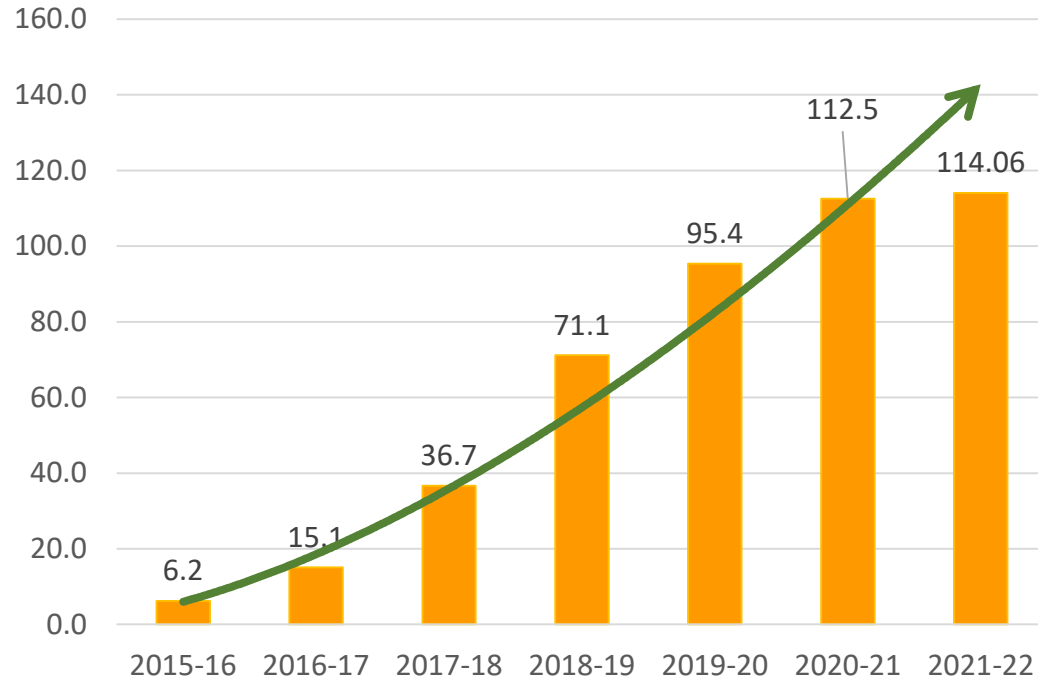
Promoting Private Investment

Inclusive Cities

Economic Growth

PMAY(U): Achievements at a Glance

Houses Sanctioned (Lakh)



Houses under PMAY(U)

| | | | |
|------------|--------------------|------------|---------------------------|
| 1.12 Cr | Assessed Demand | 90.05 Lakh | Grounded for Construction |
| 1.14 Cr | Sanctioned | 53.12 Lakh | Completed/ Delivered |
| 17.35 Lakh | CLSS Beneficiaries | 16 Lakh | New technology houses |

Total Investment
₹ 7.52 Lakh Cr

Central Assistance Approved
₹ 1.85 Lakh Cr

Central Assistance Released
₹ 1.14 Lakh Cr

2.6 Crore
Estimated Jobs Created

169 Lakh MT
Estimated Steel Consumption

744 Lakh MT
Estimated Cement Consumption



QR-5: ARHC

ARHCs Expected Outcomes

Safe & affordable
living space

Close to Workplace

Assured availability
of workforce

No proliferation of
slums

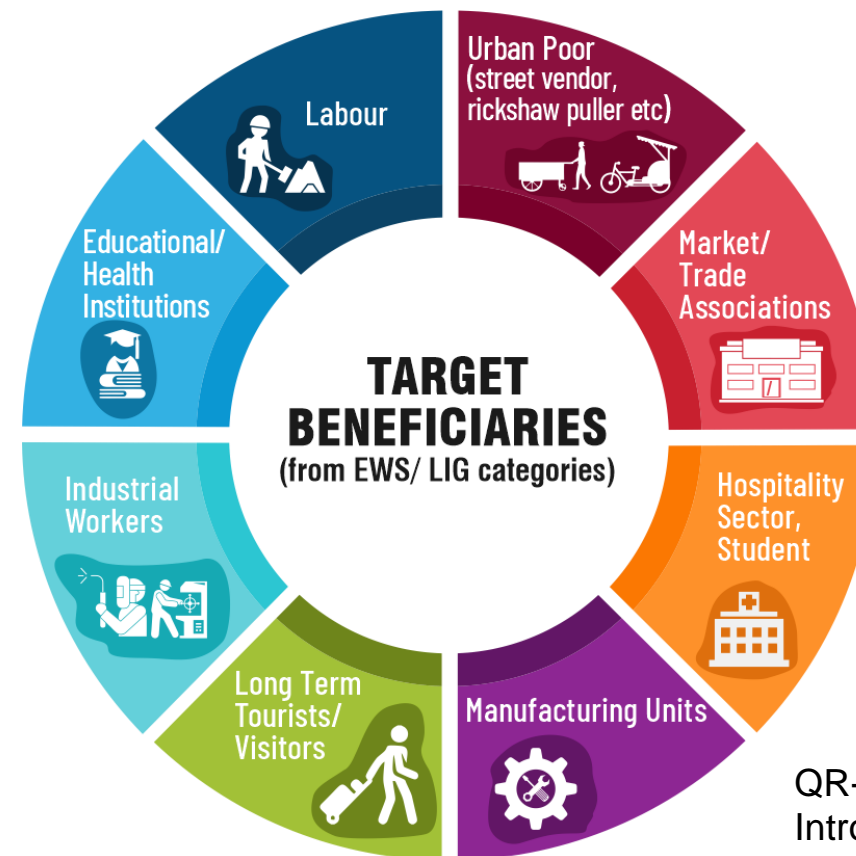
PROGRESS

Model - 1

- 4,444 vacant houses converted into ARHCs
- Conversion of 8,384 vacant houses into ARHC is under progress

Model- 2

- 66 Proposals for 1.34 Lakh units- 18 States/UTs
- 79,885 Units sanctioned for release of ₹ 175 Cr. as TIG for use Innovative Technologies
- Construction started for 20,000 units



QR-6: ARHC
Introduction Video



Technological Interventions



QR-7: Technological Interventions



Use of Resource Efficient, Rapid Paced, Disaster Resilient Construction Technologies

Light House Project

LHP CHENNAI



Technology: Precast Concrete Construction System-Precast Components Assembled at Site

No. of Houses : 1,152

Country of Origin : Finland/USA

LHP RAJKOT



Technology: Monolithic Concrete Construction using Tunnel Formwork

No. of Houses : 1,144

Country of Origin : France

LHP INDORE



Technology: Prefabricated Sandwich Panel System with Pre-engineered Steel Structural System

No. of Houses : 1,024

Country of Origin : China/ Japan

LHP LUCKNOW



Technology: Stay In Place PVC Formwork with Pre-Engineered Steel Structural System

No. of Houses : 1,040

Country of Origin : Canada

LHP AGARTALA



Technology: Light Gauge Steel Framed (LGSF) System with Pre-engineered Steel Structural System

No. of Houses : 1,000

Country of Origin : New Zealand/ Kenya

LHP RANCHI



Technology: Precast Concrete Construction System - 3D Volumetric

No. of Houses : 1,008

Country of Origin : Germany

Transformation Journey under PMAY (U)

Before



Now



Laximinagar slum, Ahmedabad, Gujarat through ISSR

No. of dwelling units: 609 Nos; Construction Period: Aug. 2016 to Sep 2017

Transformation Journey under PMAY (U)

Before



Now



BLC House – MUNGI SANTHI ; Andhra Pradesh



Ministry of Housing and Urban Affairs
Government of India



Urban Water (AMRUT 2.0)

Making Cities Water Secure



QR-8: Operational Guidelines



QR-9: Drink from Tap Mission

First Water focused Mission launched on 25th June 2015

Universal water supply, improvement in sewerage & septage management
in 500 Mission cities



Project components

Water Supply

Sewerage & Septage Management

Storm Water Drainage

Non-motorized Urban Transport

Green Spaces and Parks

Allocation: ₹77,640 crore

100% projects worth ₹80,700 crore grounded; work worth ₹57,400 crore completed.



115 Lakh HH water tap connections



87 Lakh HH sewer connections/ septage coverage



1,850 MLD Sewage Treatment capacity added
907 MLD recycled / reused



1,900 Green Spaces & Parks with **3,900** acre
area developed



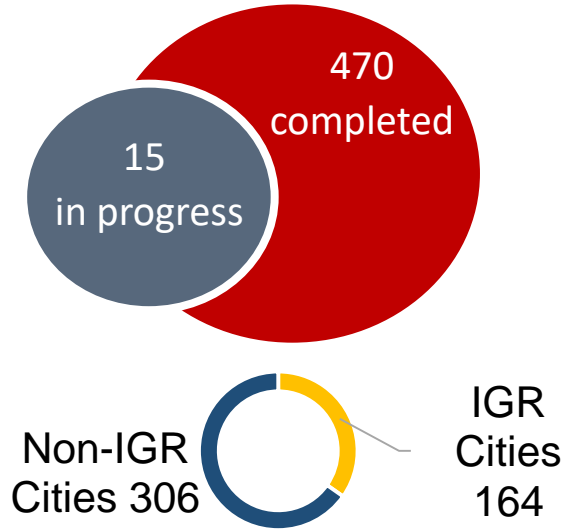
2,250 water logging points eliminated



Green mobility- Projects worth **₹400 cr**
completed



Credit Rating

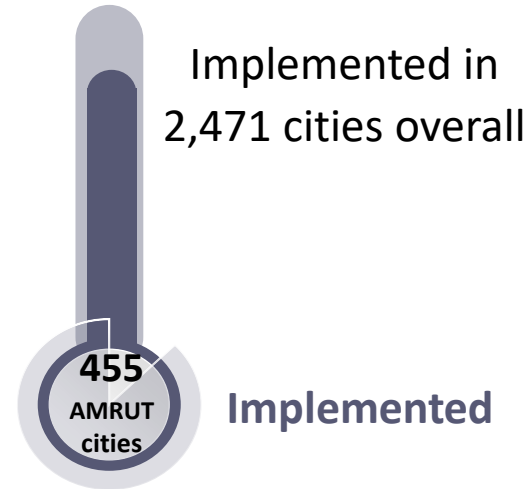


Municipal Bonds

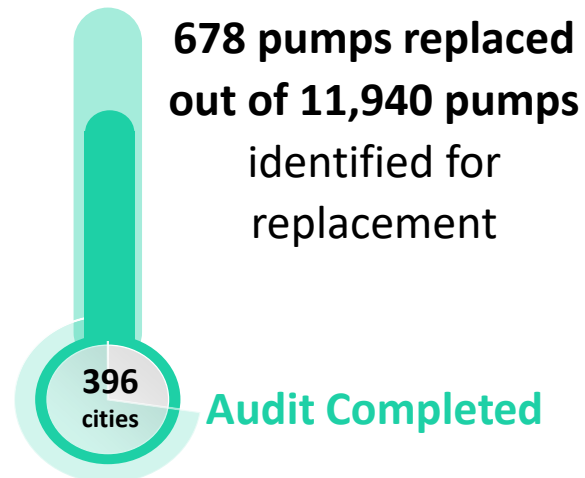
10 Mission cities have raised ₹3,840 crores:

- Ahmedabad
- Amaravati
- Bhopal
- Ghaziabad
- Hyderabad
- Indore
- Lucknow
- Pune
- Surat &
- Vizag

O.B.P.S.

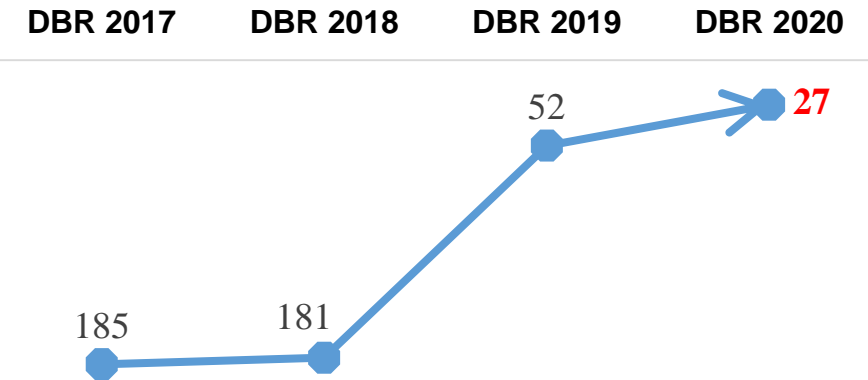


Energy Audit of Pumps

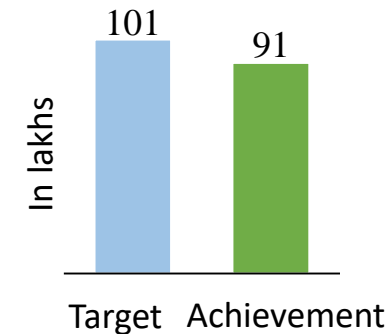


(Source: World Bank Doing Business Report)

Global Rank of India



Energy efficiency (LED for Street lights)



Streetlights replacement with LEDs, Gandhinagar, Gujarat



200 Cr power units (kWh) energy savings (₹1,000 Cr)
15.92 lakh tonnes CO₂ emission reduced per year

A step towards 'water secure cities' (Outlay ₹ 2,99,000 Crore)

Key Objectives



Universal coverage of water supply in **all statutory towns**



100% Sewerage and septage management in 500 AMRUT cities



Water secure cities

- Rejuvenation of water bodies
- Urban Aquifer Management
- Rain water harvesting
- PeyJal Survekshan



Transformation Journey under AMRUT

Before



Now



Park developed at Deogarh, Jharkhand

Garbage dump site transformed to green space spread over 3.50 acres of land

Transformation Journey under AMRUT

Before



Now



Vehicle dumping yard transformed to a vibrant park at Kollam, Kerala

Transformation Journey under AMRUT

Before



Now



Shantikanan Park, Balasore, Odisha

Transformation Journey under AMRUT

Before



Now



Shantikunj Garden, Surat, Gujarat

Transformation Journey under AMRUT

Before



Now



A two kilometer stretch of river Saraswati in Indore has been made 100% sewage free by tapping sewage outfalls through operational STPs

Transformation Journey under AMRUT

Before



Now



Storm Water Drainage and disposal project, Rajamahendravaram, Andhra Pradesh



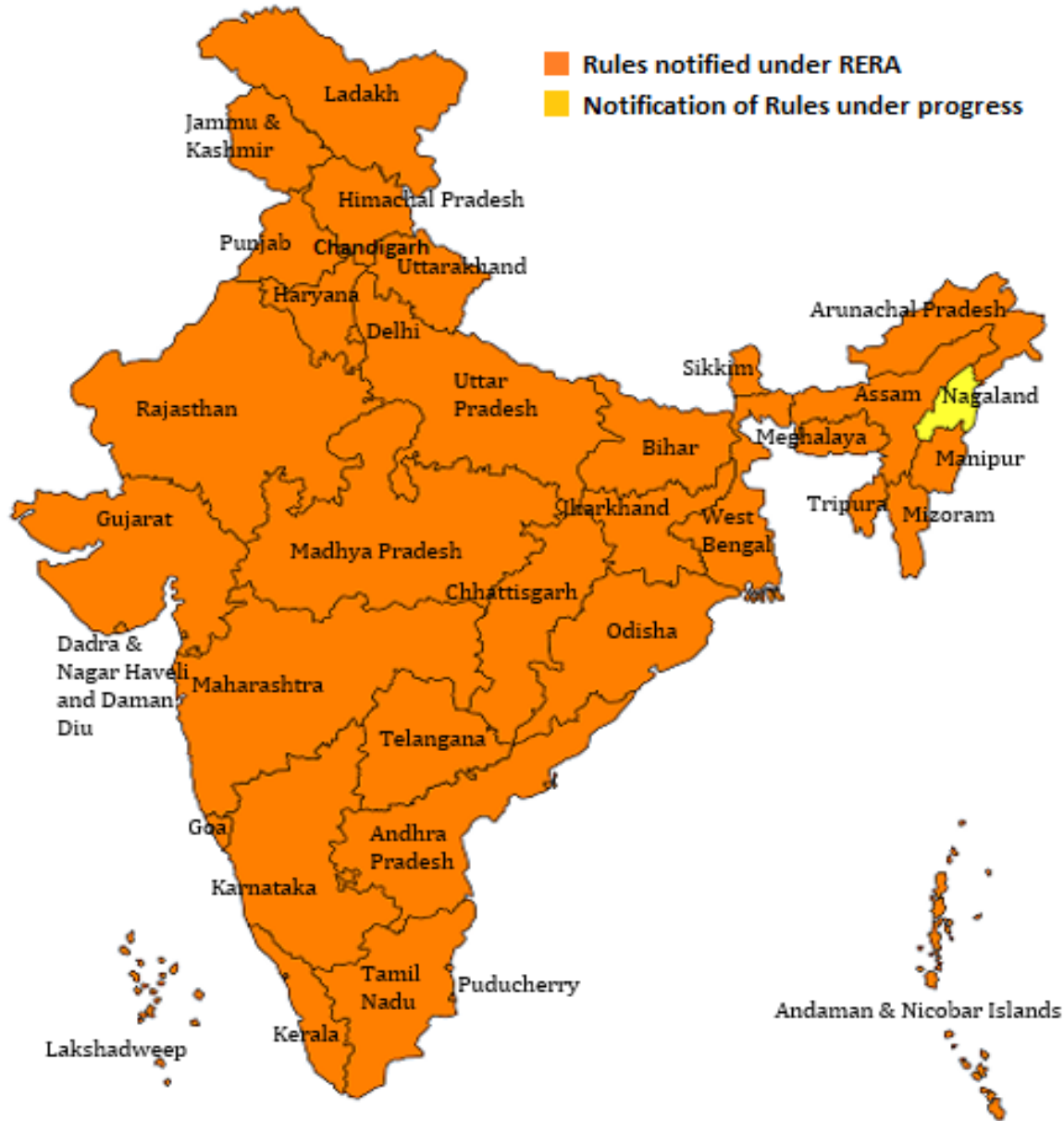
- Enacted in 2016- marked the beginning of a **new era** in Real Estate Sector
- **Ensures:**
 - Fair transactions
 - Timely delivery
 - Quality construction
 - Speedy adjudication of disputes



RERA: Implementation Progress



Implementation Status: 27th November 2021



Rules Notification
35 States/UTs

Regulatory Authorities constituted
30 States/ UTs

Appellate Tribunals formed
28 States/ UTs

Projects Registered
71,565

Agents Registered
56,236

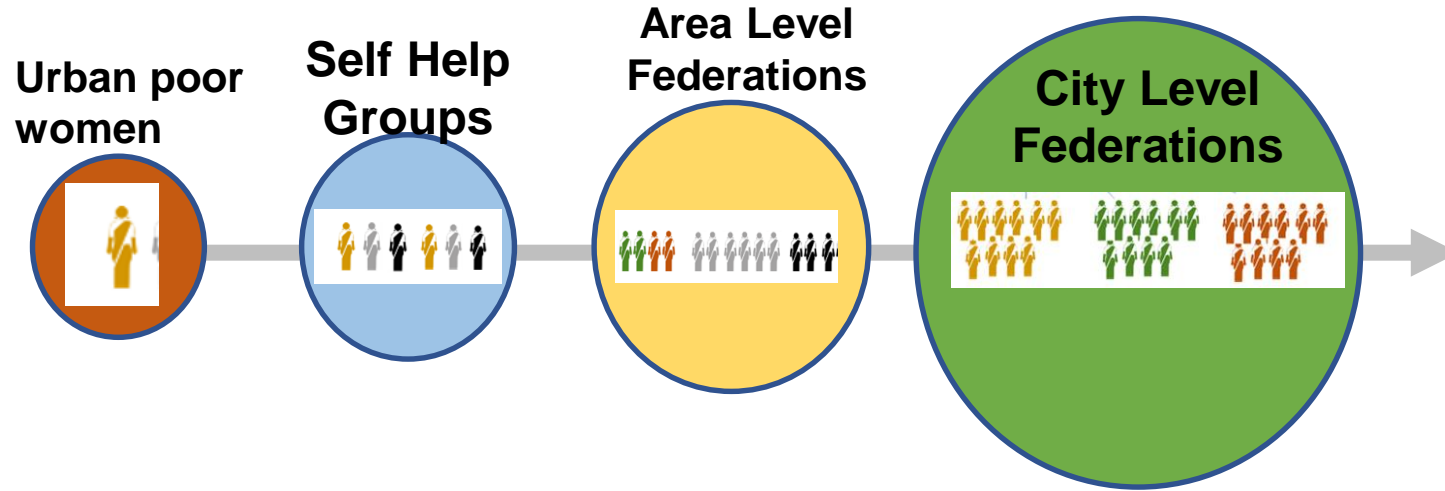
Cases Disposed
78,986



Urban Livelihood (DAY-NULM & PM-SVANidhi)



Building Social Capital



65 lakh
Women mobilized into SHGs



Local to Global markets

**Inculcating Entrepreneurship
– subsidized loans**

**Mayor led Community
decision making**



Skill Development for enhanced employability



11 lakh trained



6 lakh Placed

Industry Partnership

IPSC

NAREDCO

NSDC

CREDAI



Credit for Micro-Enterprises

11.1 lakh loans : ₹27,736 Crore



PAiSA

Portal for Affordable credit and
Interest Subvention Access

An Initiative of DAY-NULM

DBT of interest subsidy,
Revolving Fund and
training fees

Supporting Urban Street Vendors

**49.5 lakh
Street
Vendors**

**26 lakh
Certificate of
Vending**

**10,410
Vending
Zones**



Shelters for Urban Homeless

**1,627 all-weather
permanent
shelters for
1.3 lakh persons**



DAY-NULM: Vision 2024



**1 Crore Women into
Self Help Groups**



40 Lakh livelihoods



**Certificate of
Vending (CoV) to 50
Lakh street vendors**



**Professionally
managed City
Livelihoods Centers
(CLCs) in 75 cities**

Collateral Free Loans for Working Capital & Business Expansion

Loans of
₹10,000,
₹20,000 and
₹50,000

7% interest
subsidy

₹1,200
cashback on
digital
transactions

Disbursements

- 27.18 lakh loans disbursed worth ₹2,728 crores

Digital Transactions

- 10.9 crore digital transactions by 9.8 lakh vendors

Loans Repaid

- By 2.85 lakh street vendors

Women Empowerment

- 40% beneficiaries are **women vendors**



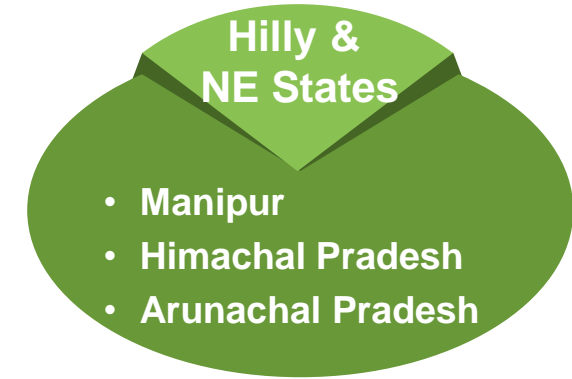
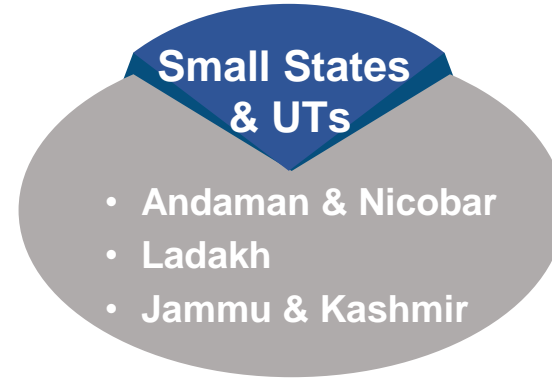
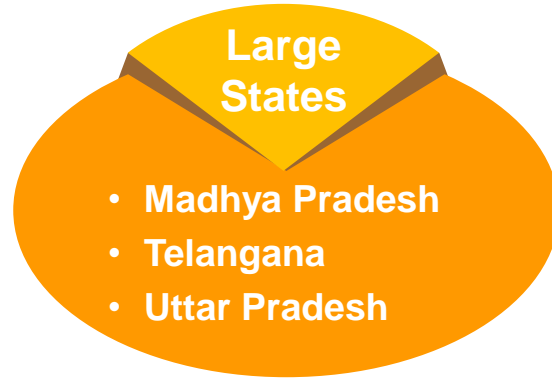
QR-12:
PM SVANidhi Website



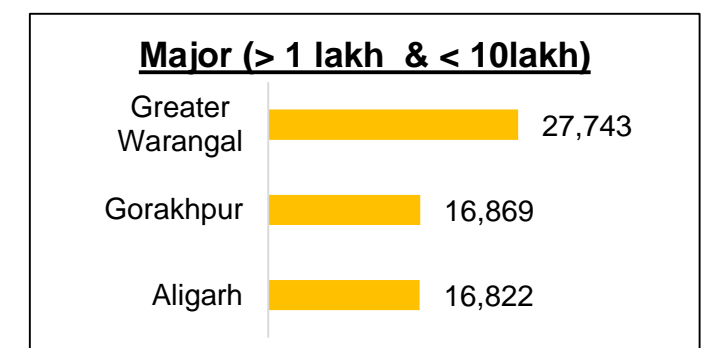
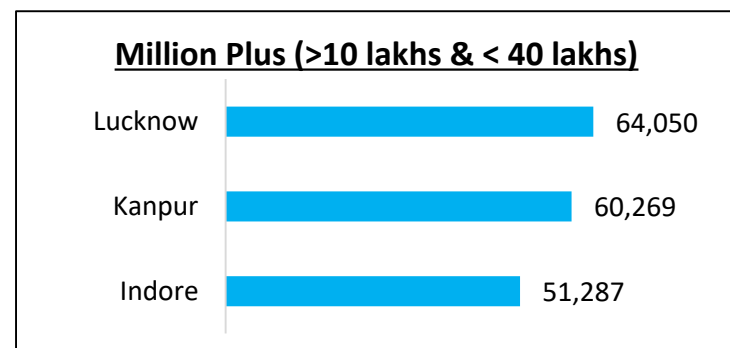
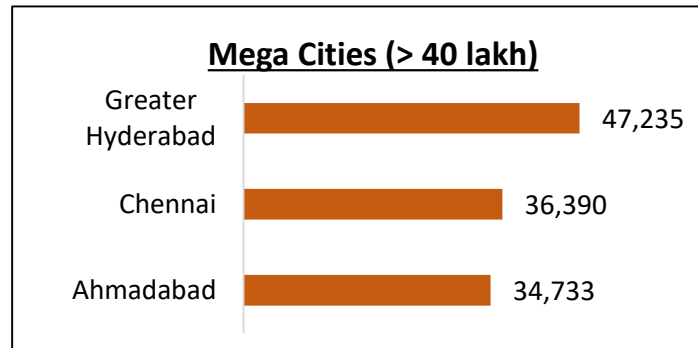
zomato

SWIGGY

Top Performing States & UTs



Top Performing Cities



SVANidhi Se Samriddhi – Safety Net for Entire Family

Schemes Covered

- PM SBY, PM JJBY, PM Jan Dhan
- ONORC
- PM Shram Yogi, BoCW
- PM Matru Vandana
- Janani Suraksha

Street Vendor's
Profiled

7.5 lakh

Families
Members
Profiled

13.5 lakh

Scheme
Benefits
Sanctioned

13.5 lakh

Top Performing Cities

- Khandwa, MP
- Ongole, AP
- Karimnagar, TS
- Adilabad, TS
- Kurnool, AP



Smart Urbanization (Smart Cities Mission)

- No Standard Template
- Initiatives contributing to Ease of Living, Economic Growth and Sustainability
- Four pillars of comprehensive development-Institutional, Physical, Social and Economic

Area Based
Development



Pan City
Development



Redevelopment
Area: 50 acres



Retrofitting
Area: 500 acres



Greenfield
Area: 250 acres

City-wide Smart Solutions } ICC

100 Smart Cities

5,151 Projects

₹ 2,05,018 crore

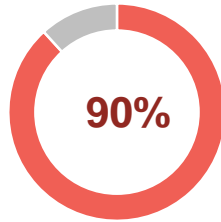


Mission Progress (₹ crore)

Tendered

6,452 Projects

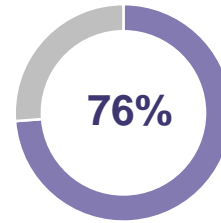
₹ 1,84,898 crore



Under Implementation

5,809 Projects

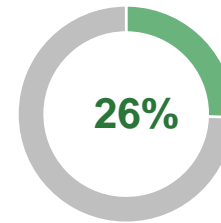
₹ 1,56,571 crore



Completed

3,131 Projects

₹ 53,175 crore



Key Projects

Smart Command & Control Centres



Completed

75

Cities

In Progress

25

Cities

Vibrant Urban Spaces



Completed

78

Projects

In Progress

66

Projects

Public Private Partnerships



Completed

140

Projects

In Progress

162

Projects

Smart Water



Completed

118

Projects

In Progress

193

Projects

Smart Roads



Completed

340

Projects

In Progress

437

Projects

Smart Solar



Completed

63

Projects

In Progress

31

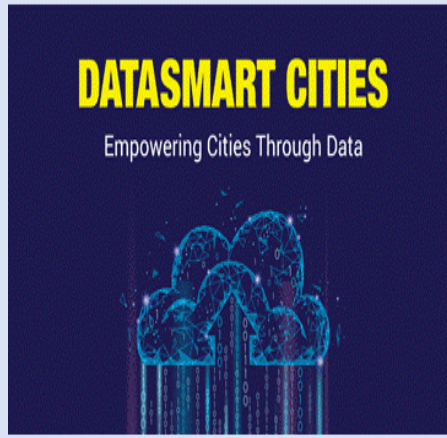




ICCC
Integrated
Command &
Control Centers



QR-15



**DATA
SMART
CITIES**



QR-16



IUO
India Urban
Observatory



QR-17



NUDM
National Urban
Digital Mission



QR-18



TULIP
The Urban Learning
Internship Program



QR-19



**INDIA
CYCLES4CHANGE**



QR-20



**STREETS
4PEOPLE**



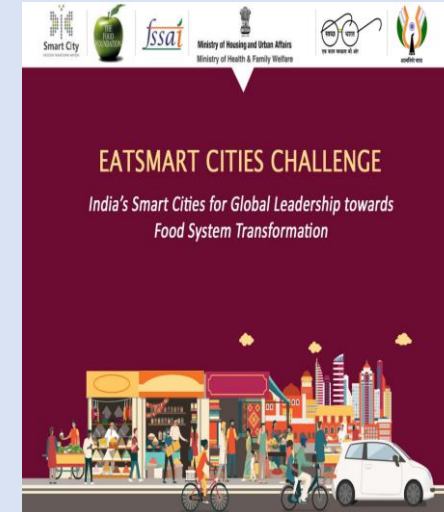
QR-21



**NURTURING
NEIGHBORHOODS**



QR-22



**EATSMART
CITIES**



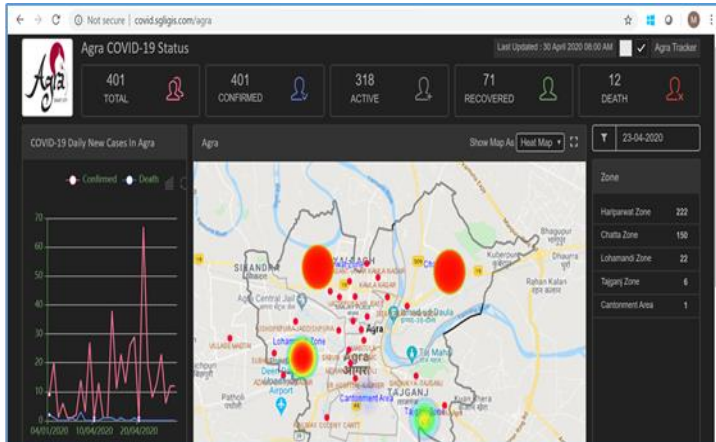
QR-23



**TRANSPORT
4ALL**



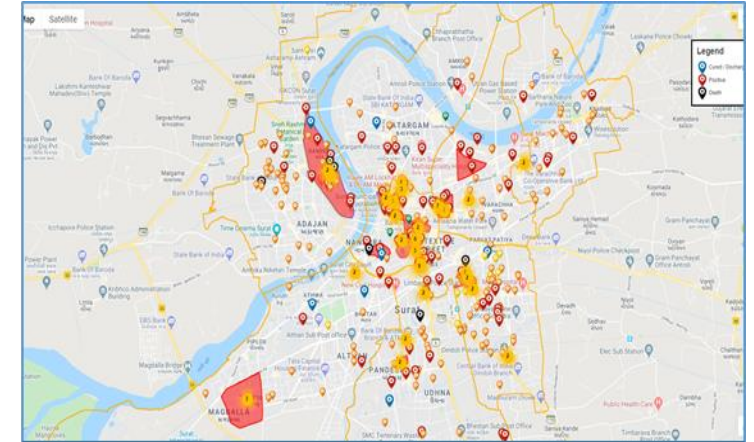
QR-24



Agra – Monitoring hotspots



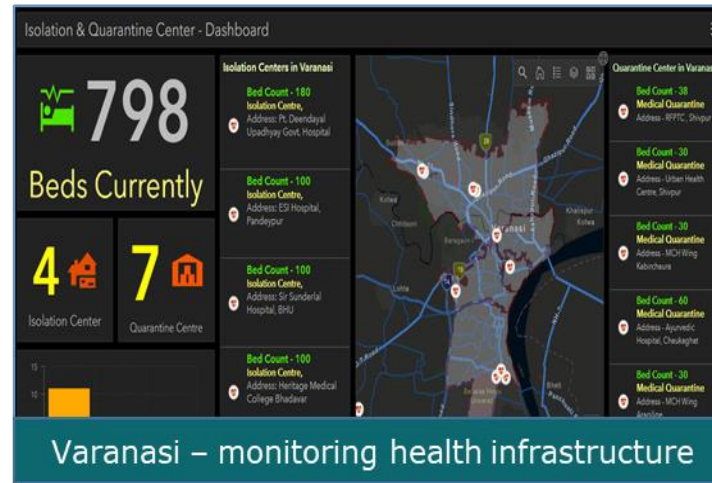
Pimpri-Chinchwad



Surat – Mapping of Positive cases



Jabalpur

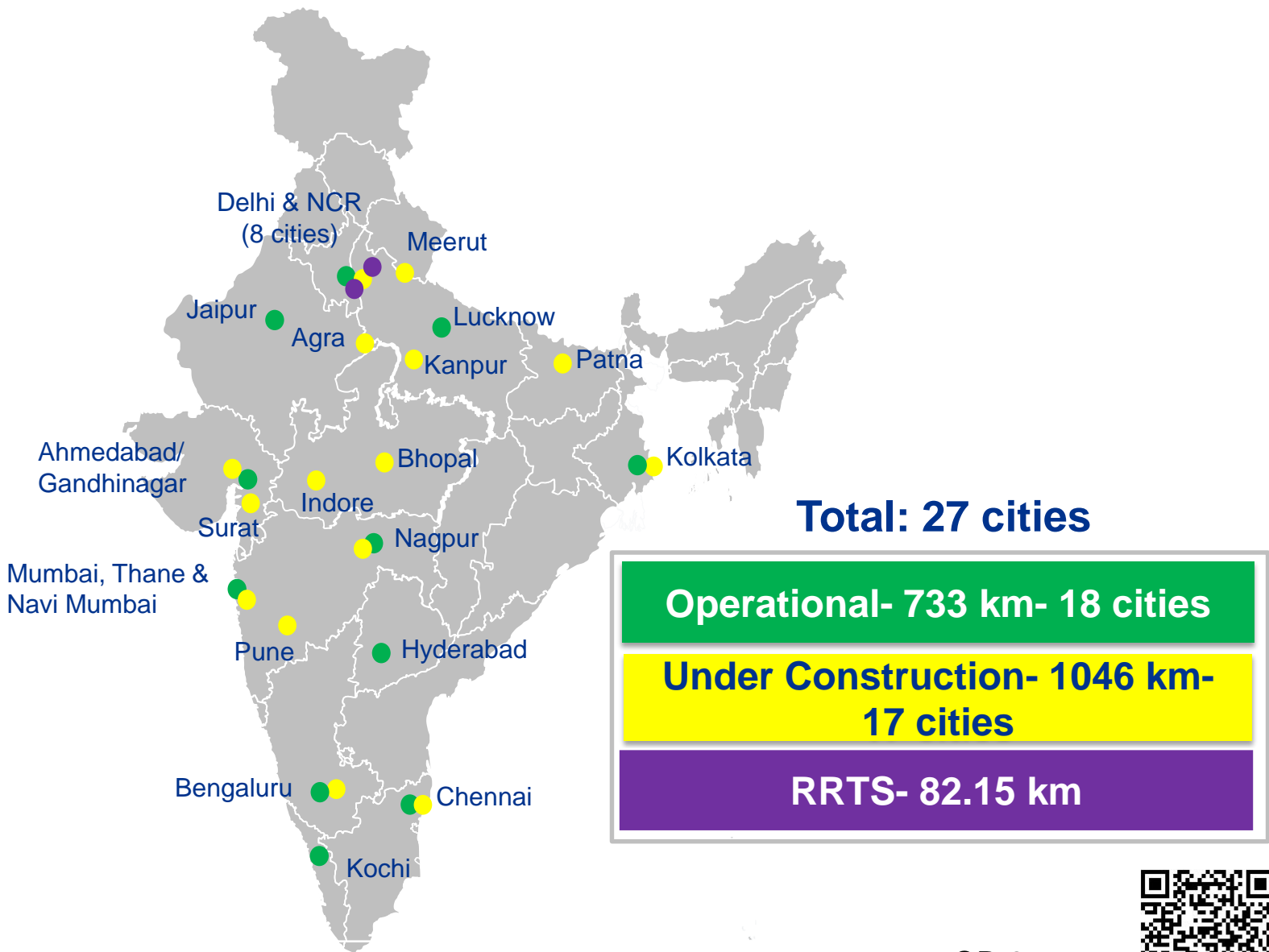


Varanasi – monitoring health infrastructure



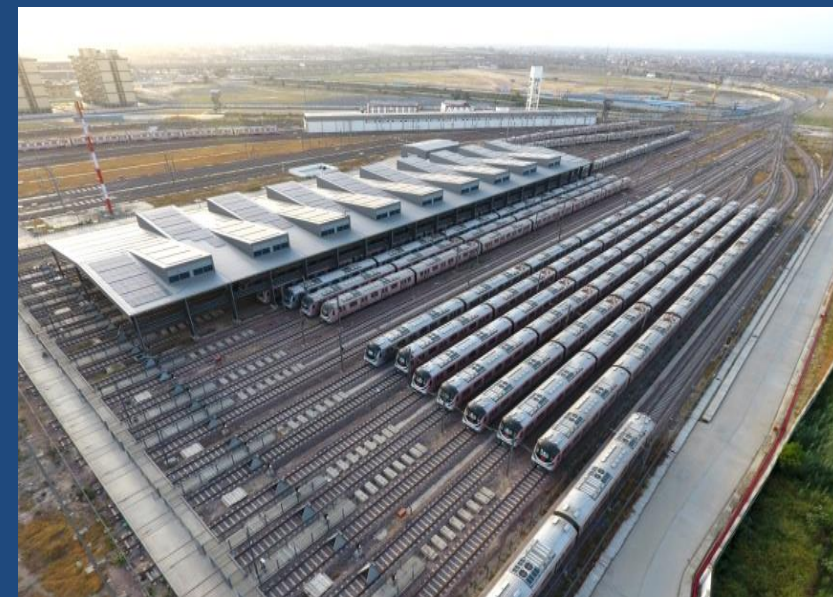
Bengaluru

Mapping of Positive cases, Cantonment Zones/ Hotspots, Hospital Bed availability, Tele-medicine, Public Address System, Variable Messaging



Daily ridership- 85 Lakhs (Pre-covid)

QR-25:
Metro Rail Sector



Regional Rapid Transit System (RRTS)

First RRTS connecting two cities in National Capital Region (Delhi – Meerut)



Delhi - Meerut: 55 mins
Operational speed: 160 kmph

Delhi - Ghaziabad - Meerut
82 km under construction

RRTS & Metro on same infra
over 22 kms in Meerut

Low-cost Mass Rapid Transit System with same experience and ease of travel as conventional metro system

Salient Features

1

Suitable for Tier-2 cities

2

Cost- 40% of conventional metro
(Speed- 60 kmph)

3

Low-cost Mobility Solution (up to PHPDT of 15,000)

4

Faster deployment



Rubber tyred electric articulated coaches powered by overhead traction system running on a road slab with exclusive right of way

Salient Features

1

Suitable for Tier-2 cities with Less ridership

2

Cost- 25% of conventional metro (Speed- 70 kpmh)

3

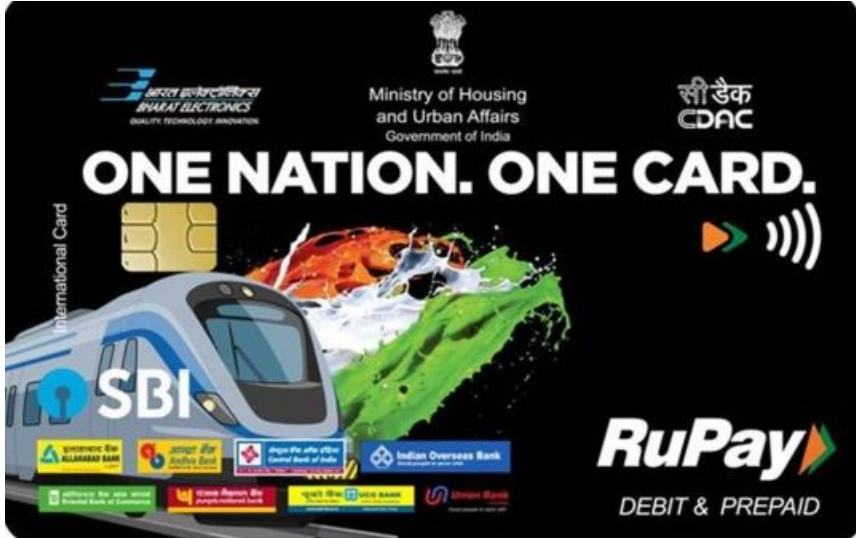
Low-cost Mobility Solution (up to PHPDT of 8,000)

4

Faster deployment



MetroNeo being planned in Nasik



National Common Mobility Card (NCMC)



Indigenous Automatic Train System (IATS)



Automatic Fare Collection System



Driverless Train Operations

Significantly reduced dependence of Indian Metros on Foreign Vendors



Metro Coaches manufactured in India are being exported

Way Forward



Ministry of Housing and Urban Affairs
Government of India



Way Forward (1/2)

Focused implementation of Urban Missions

Improved performance of cities

स्वच्छ
सर्वेक्षण

Swachh
Survekshan
Ranking

GARBAGE FREE CITIES
STAR RATING

Star rating of
Garbage Free
Cities

SAFAIMITRA
SURAKSHA
CHALLENGE

Safaimitra
Suraksha
Challenge

EASE OF
LIVING
INDEX

Ease of Living
Index

MUNICIPAL
PERFORMANCE
INDEX

Municipal
Performance Index

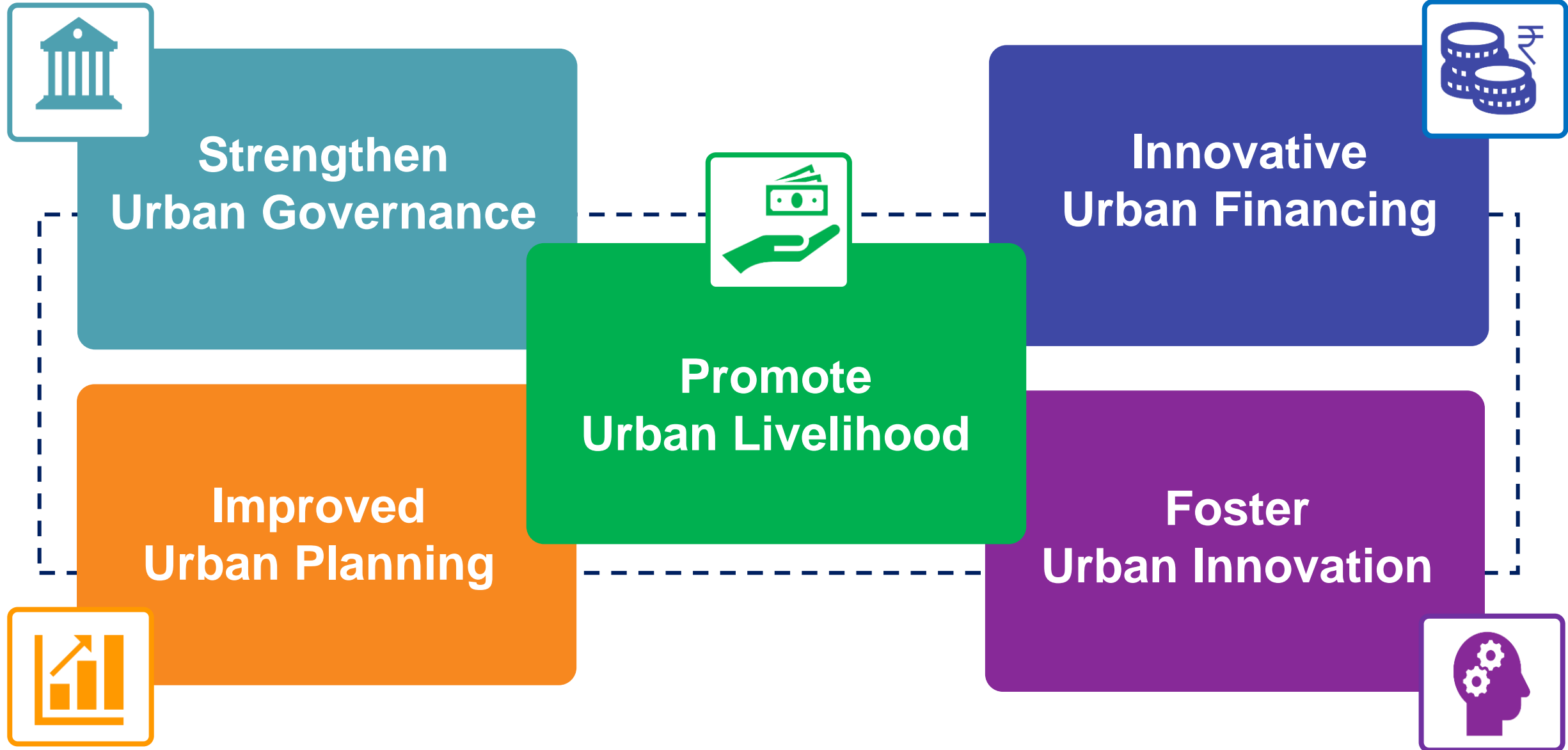
CLIMATESMART CITIES
Assessment Framework 2.0

ClimateSmart
Cities Assessment
Framework

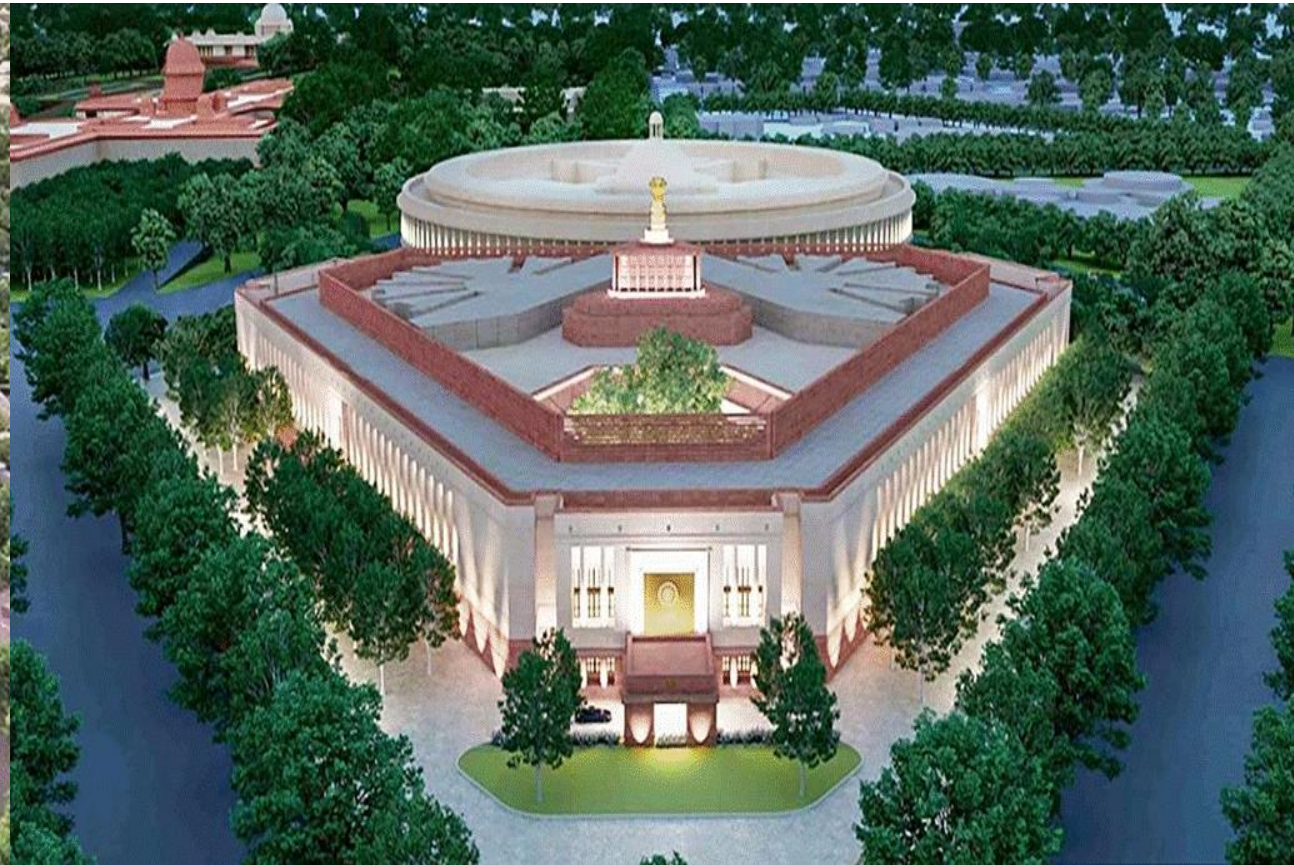
अमृत
2.0
Atal Mission for Rejuvenation
and Urban Transformation

PeyJal
Survekshan

Way Forward (2/2)



Resurging New India
















New Central Vista and Parliament Building















Thanks

Annexure- Description of QR Codes (1/2)

| QR Code Description | | | |
|---|-------|---|---|
|  | QR-1 | SBM-U 2.0 Operational Guidelines | |
| | QR-2 | Swachh Survekshan 2021 Dashboard |  |
|  | QR-3 | Swachhata Anthem | |
| | QR-4 | PMAY-U Website |  |
|  | QR-5 | ARHC (under PMAY-U) | |
| | QR-6 | ARHC Introduction Video |  |
|  | QR-7 | Technological Interventions under PMAY-U | |
| | QR-8 | AMRUT 2.0 Operational Guidelines |  |
|  | QR-9 | Drink from Tap Mission | |
| | QR-10 | Internship AICTE India |  |
|  | QR-11 | DAY-NULM Website | |
| | QR-12 | PM SVANidhi Website |  |
|  | QR-13 | Smart Cities Mission Statement & Guidelines | |

Annexure- Description of QR Codes (2/2)

| QR Code Description | | | |
|---|-------|---|---|
|  | QR-14 | Smart Cities Mission Website | |
| | QR-15 | ICCC (Integrated Command & Control Centers) |  |
|  | QR-16 | Data Smart Cities | |
| | QR-17 | IUO (India Urban Observatory) |  |
|  | QR-18 | NUDM (National Urban Digital Mission) | |
| | QR-19 | TULIP (The Urban Learning Internship Program) |  |
|  | QR-20 | India Cycles4Change Challenge | |
| | QR-21 | Streets For People Challenge |  |
|  | QR-22 | Nurturing Neighborhoods Challenge | |
| | QR-23 | Eat Smart Cities Challenge |  |
|  | QR-24 | Transport4 All Challenge | |
| | QR-25 | Metro Rail Sector |  |