

Smart Cities Mission –India

Overview

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Smart City Mission: Background

Significance and coverage of Smart City Mission

377,105,760 of 1,210,193,422 people

Net population lives in urban areas

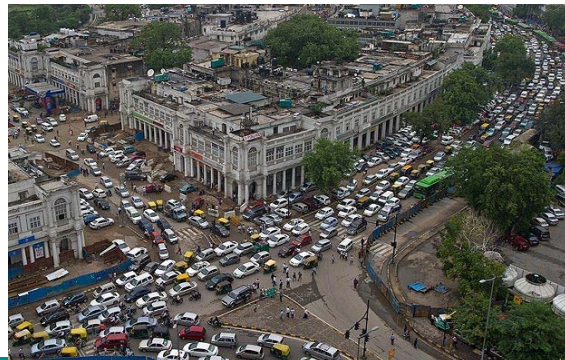
31.2%

26.4%

India's urban population lives in selected 99 smart cities

99,486,840 people

As per Census data of 2011



Smart City Mission: Introduction

Stage I:

110 potential Smart cities identified through inter-state competition

Stage II:

Above 110 cities prepared proposals for all India Challenge

Based on Pre-defined Criteria's, the evaluation is done and winner cities are selected

Winner cities set-up SPV and start Implementation

Non Winner cities prepare to improve their proposal for **next round of challenge**

INDIA SMART CITY MISSION
MISSION TRANSFORM-NATION



THE SMART CITY CHALLENGE STAGE 2

SMART CITY PROPOSAL

SMART CITY CODE:

DN-01-SIL

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ANNEXURES (1-4)		



Smart City Mission : Two Strategic Components

Area Based Development

Based on Citizens Engagement identify an area which would be looked at as a pilot for large rollout in the city

.Three models of Area based development

- **Retrofitting-** improvement of infrastructure and services for delineated areas
- **Redevelopment** – Completely transformed redevelopment of old built-up areas
- **Greenfield** –New development of built-up areas in city extensions

Pan city Initiatives

Pan city initiatives are aimed at improving the infrastructure across the city,

The requirement is that **at least one Smart/ICT Solution** has to be applied across the city

Smart Cities Mission–Evaluation framework

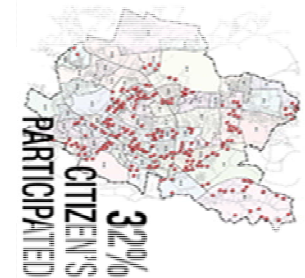
City level Criteria 30 %		Area Based Development 55 %		Pan City Solution 15 %	
5 % Vision and Goal	10 % Citizens Engagement	7 % Smartness of proposal	3 % Process followed	3 % Smartness of proposal	1 % Process followed
10 % Strategic plan	5 % Key Performance indicator and self assessment	5 % Citizen Engagement	25 % Implementation framework	1 % Citizen Engagement	5 % Implementation framework
		15 % Results orientation		5 % Results orientation	

Total 16 % Weightage awarded to Citizen Engagement

Citizen Engagement Process

BHUBANESWAR CITIZEN'S CONNECT INITIATIVE

With a goal to ensure meaningful and diverse participation in the Smart City Proposal preparation process, Bhubaneswar launched a multi-pronged initiative - Citizen's Connect Initiative - to obtain input from its citizens:



Likes: **86,851**
Reach: **3.4cr**
Engagement: **11lakh**

19.7lakh+ Votes
1.6lakh+ Suggestions
3.1lakh+ Participation

OFFLINE
ONLINE

prioritization of feedback to inform city strategy

SWOT Analysis on feedback

Workshops and roundtables with experts

Survey polls

Mapping exercises to identify trends

Consultation to get citizens feedback

Face to face consultations with stakeholders

Open house consultation at municipal office

Creative events with the public and institutions

Telephone and mobile surveys and polls

Creating awareness about the Smart City Challenge

Local Press Outreach

Print Advertising

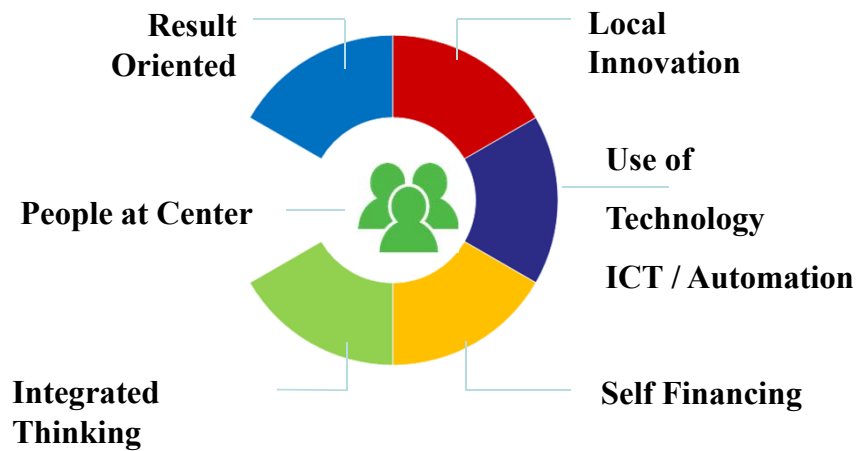
Print Materials (Brochures, Banners, Bulletin Boards)

Mobile Technologies (SMS, WhatsApp, social media)

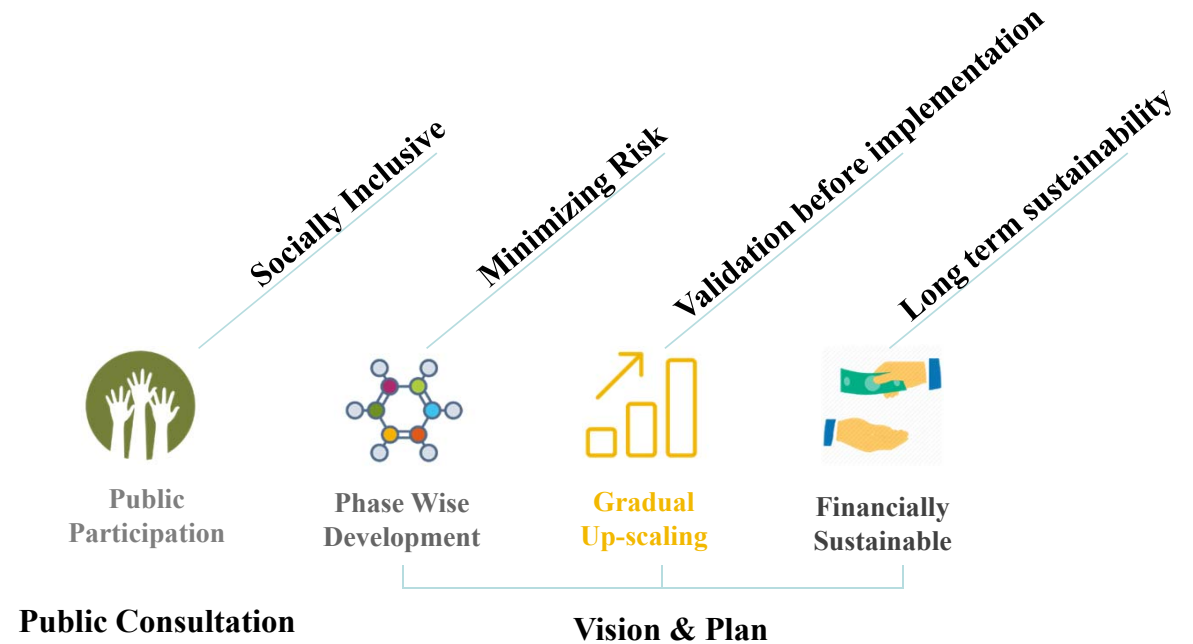


Smart City Mission: Summary

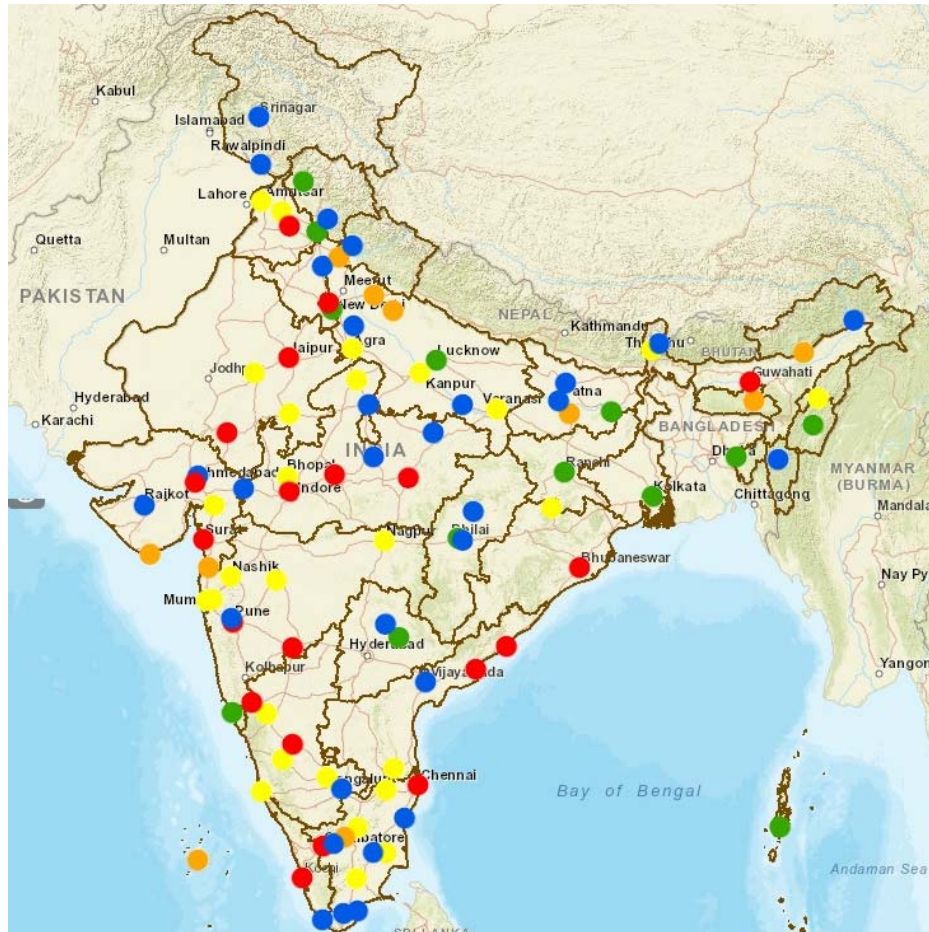
Smart City Concept



Sustainability indicators for Smart City Projects



Smart Cities Mission –Coverage



99 Smart Cities to make investment of **\$31 Billion**

99.5 Million People to be benefitted

Round 1

January 2016

20 Cities

7.4 Billion USD

Round 2

Sept 2016

40 Cities

12.9 Billion USD

Round 3

June 2017

30 Cities

8.9 Billion USD

Round 4

Jan 2018

9 Cities

1.9 Billion USD

Smart City Mission : Implementation Snapshot

Total Approved projects

- 4790 project worth **\$ 31 Billion**

Detailed project reports (DPR) stage :

- 2,130 projects worth **\$ 16 Billion**

Under tendering

- 410 projects worth **\$2.9 Billion**

Work Started

- 635 Project worth **\$ 3.9 Billion**

Work Completed

- 318 project worth **\$ 0.8 Billion**

Cities selected

99

SPV formed

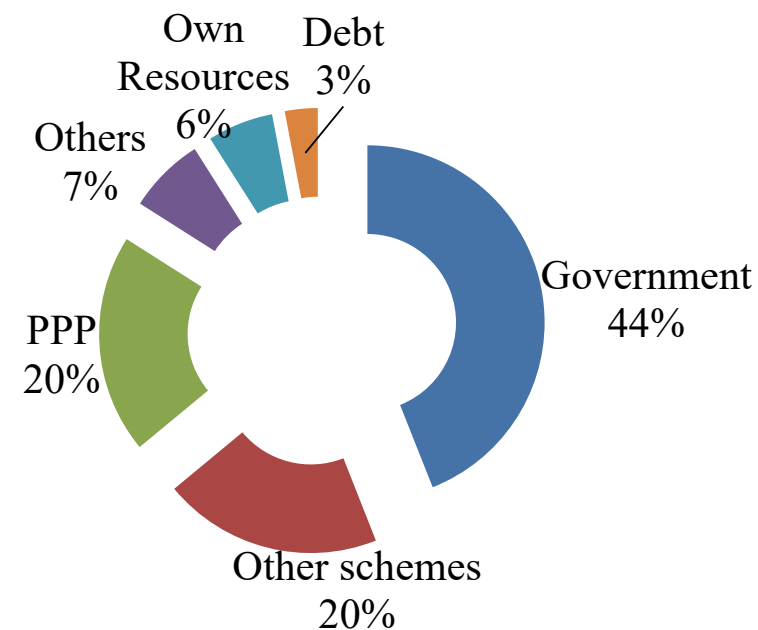
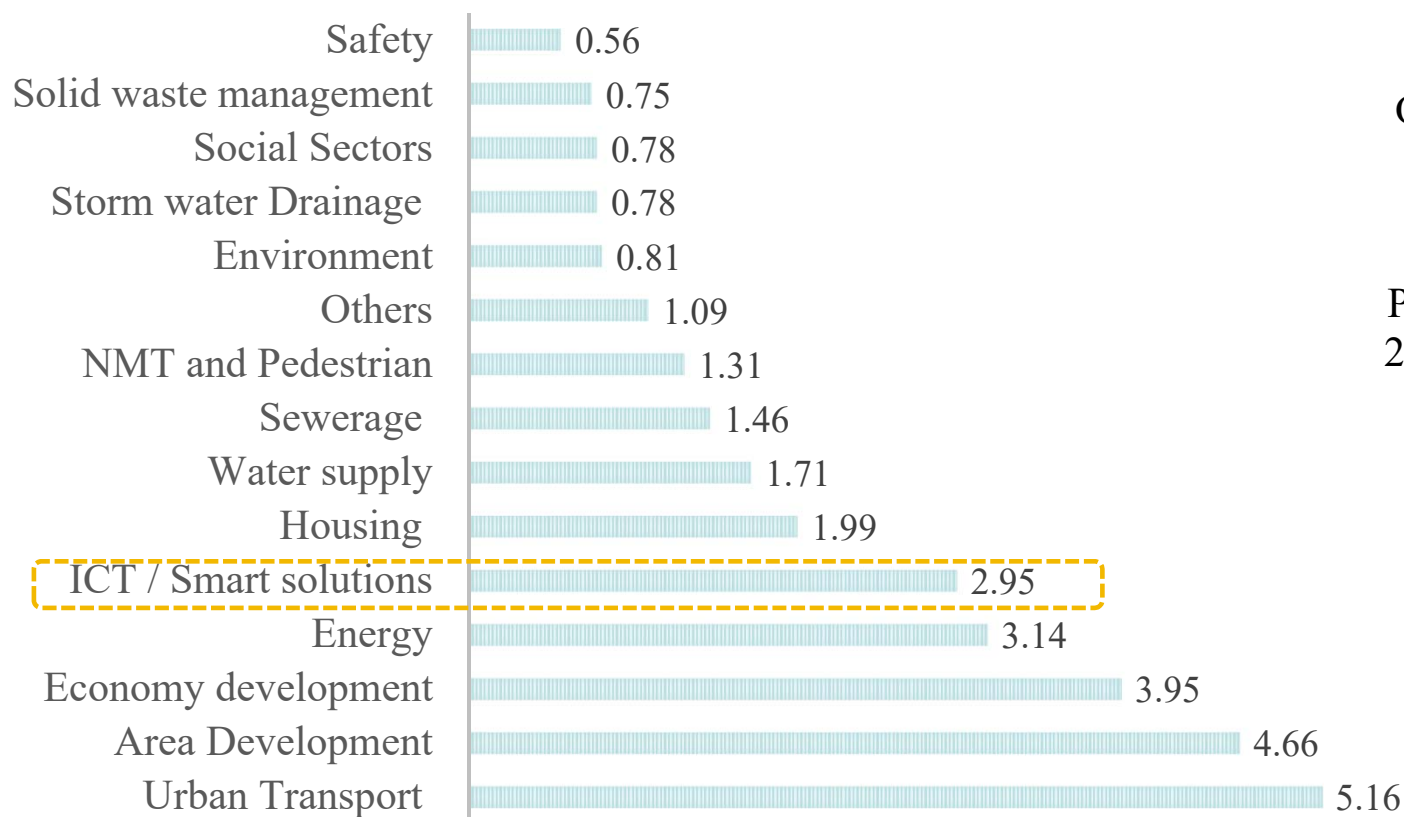
92

PMC selected

70

Smart City Mission : Financial facts

Sector wise investments in 99 Cities (Billion USD)



Source of Funding

Smart Solutions- Integrated Control and Command Centre

- ICCC under Smart cities Mission
 - Operational in **10 cities** with apprx investment of **\$ 200 Million**
 - **13 other cities** have started work with investment of **\$ 300 Million**
 - **32 Cities** are at advanced stage of **DPR preparation.**
- Integrated Control and Command Centre (ICCC) **integrate all urban** services
- ICCC to enable centralised monitoring and decision making



Smart Solution :Operational ICCC

Nagpur



Ahmedabad



Rajkot



Bhopal



Vadodara



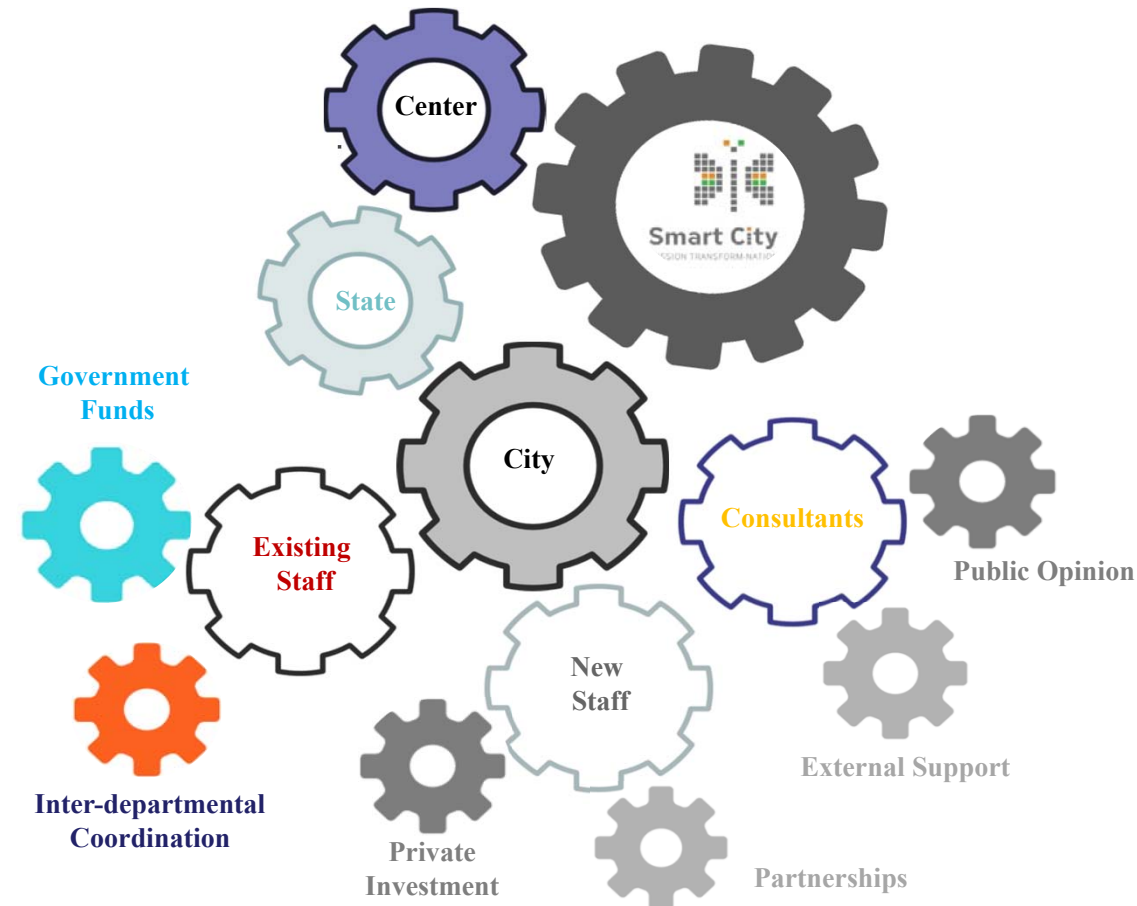
Visakhapatnam



Smart Cities Mission : Challenges

Governance

- Mission requires each smart city to create a parallel institution called a '**Special Purpose Vehicle**' (SPV) , **headed by CEO.**
- SPV delegated the 'rights and obligations' of a local municipality and therefore **overlap with Municipal Corporation**
- **How multiple city agencies collaborate and share assets**
- **Providing clearances from multiple agencies in a timely manner**
- **Regulations** : Owing to a large set of stakeholders there is need of statutory bodies to provide quick approvals



Smart Cities Mission : Challenges

Technical

- Retrofitting existing city infrastructure (old) to make it smart
- Limited Capacity of ULBs

Financial sustainability of ULBs

- Current mission heavily dependent on Grants from Central Government
- Limited ability of ULB to raise funds from external sources, owing to their poor governance and financial situation



Thank you!

