



SMART CITIES MISSION

THIRUVANANTHAPURAM
CORPORATION

Smart City Mission-
Government of Kerala

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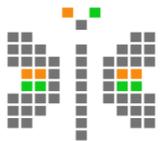
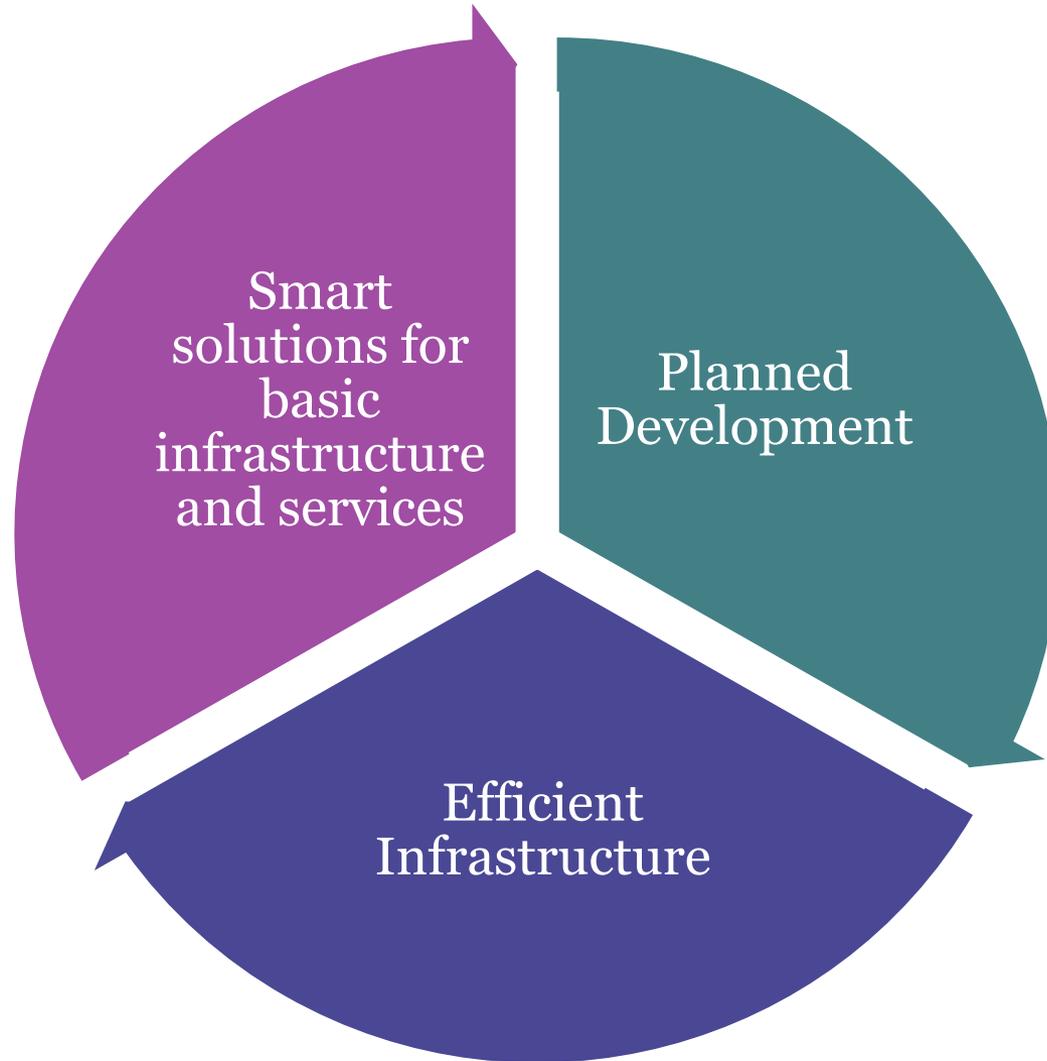
1. OVERVIEW -SMART CITIES MISSION

- a. Mission objective
- b. Components
- c. Mission strategy
- d. Implementation mechanism
- e. Funding pattern

2. WAY FORWARD



Smart city



Objectives of Smart Mission

- ❖ Provide Basic infrastructure
- ❖ Improved quality of life
- ❖ Clean and sustainable environment
- ❖ Apply Smart Solutions
- ❖ Set examples to be replicated both within and outside the Smart City and catalyze the creation of similar Smart Cities.



Smart Cities Mission Strategy

❖ **SELECTION OF CITIES : Smart City Challenge**

- **Inter state and Intra State Challenge**
- **Smart City Proposal (SCP) to be prepared within 100 days**

❖ **SCP Strategies**

A. AREA BASED DEVELOPMENT

- **Step-by-step development for making city smart as a whole Creating replicate models**
 - **Retrofitting > 500 Acers**
 - **Redevelopment > 50 Acres**
 - **Greenfield > 250 Acers**

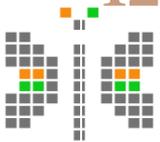
❖ **B. PAN-CITY INITIATIVE**

- **At least one city-wide Smart Solution to improve the efficiency of existing civic service**



Smart City Features

1. **City Identity and culture**
2. **Citizen participation**
3. **Mixed Use**
4. **Compactness**
5. **Walkability**
6. **Transport**
7. **Open Spaces**
8. **Energy Source**
9. **Energy Supply**
10. **Energy Efficiency**
11. **Underground wiring**
12. **Water Supply**
13. **Water management**
14. **Waste-water management**
15. **Waste management**
16. **Sanitation**
17. **Air Quality**
18. **Housing & Inclusiveness**
19. **Education**
20. **Health**
21. **Economy & Employment**
22. **Safety and Security**
23. **IT connectivity**
24. **Intelligent Govt. Services**



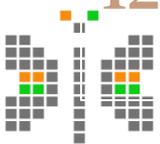
Infrastructure components-Smart city mission

1. Assured water & electricity supply
2. Sanitation & Solid Waste Management
3. Efficient urban mobility & public transport
4. Affordable Housing
5. Health and education
6. Safety & security of citizens
7. Economic Activities and livelihood opportunities
8. Robust IT connectivity
9. e-governance & citizen participation



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Planned Development - Area based Development Models



Smart Solutions

E-Governance and Citizen Services

- 1 Public Information, Grievance Redressal
- 2 Electronic Service Delivery
- 3 Citizen Engagement
- 4 Citizens - City's Eyes and Ears
- 5 Video Crime Monitoring

Waste Management

- 6 Waste to Energy & fuel
- 7 Waste to Compost
- 8 Waste Water to be Treated
- 9 Recycling and Reduction of C&D Waste

Water Management

- 10 Smart Meters & Management
- 11 Leakage Identification, Preventive Maint.
- 12 Water Quality Monitoring

Cities may add any number of smart solutions to the area based developments to make government funds cost effective.

Energy Management

- 13 Smart Meters & Management
- 14 Renewable Sources of Energy
- 15 Energy Efficient & Green Buildings

Urban Mobility

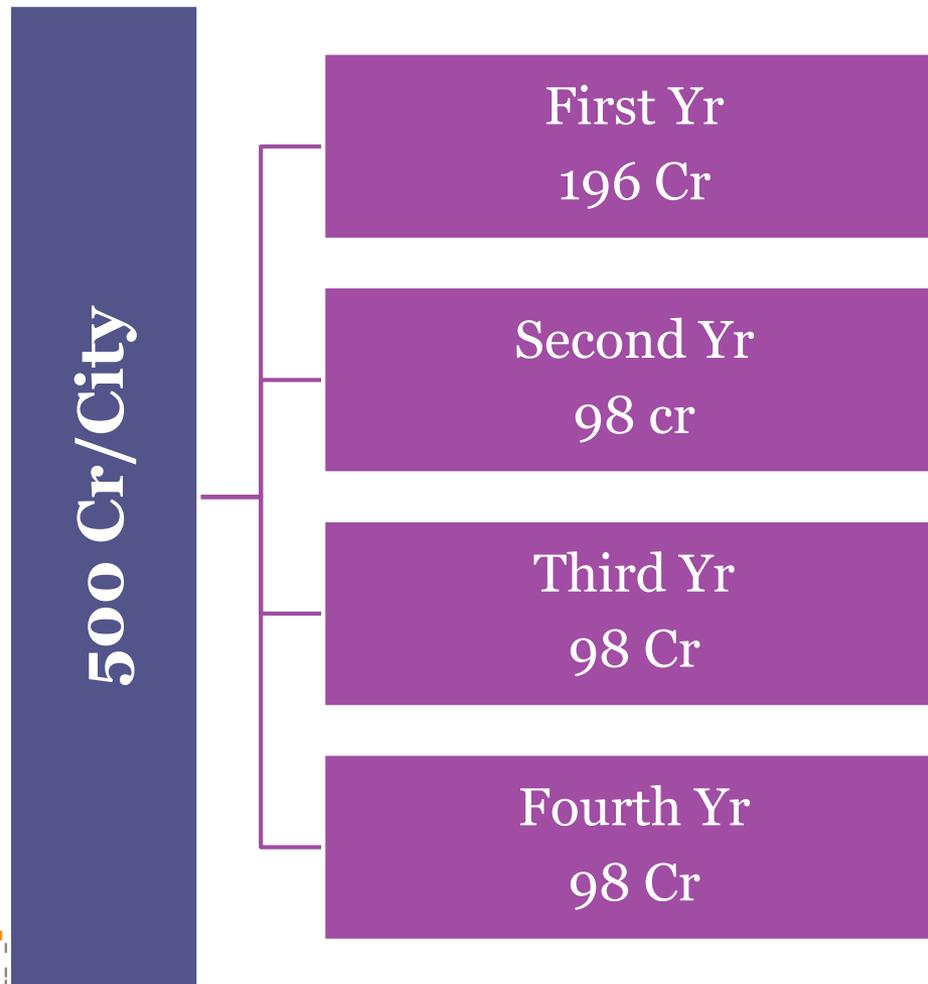
- 16 Smart Parking
- 17 Intelligent Traffic Management
- 18 Integrated Multi-Modal Transport

Others

- 19 Tele-Medicine & Tele Education
- 20 Incubation/Trade Facilitation Centers
- 21 Skill Development Centers



Funding Patterns



- ❖ 2% of the 100 cr would be retained by MoUD every year as A&OE



Funds release – timely submission of score card, satisfactory physical and financial



Mission Monitoring

❖ **Mission Director** : **Dr Sameer Sharma I A S, MoUD**

NATIONAL Level

Apex Committee (AC)

headed by the Secretary, MoUD



STATE Level

High Powered Steering Committee (HPSC)

Chairman _CS

Members- Key officials

CITY Level

- * SPV: Board of Directors
- * Citizen Forum
- * ULB - Council



Implementation Mechanism

❖ Special purpose vehicle (spv) for each city

- Envisaged to be a **Limited Company** incorporated under Companies Act 2013 and to be promoted by the ULB.
- **Equal shareholding for the ULB and the State Government,** together will have majority

shareholding and control of the SPV



Institutional Arrangements in the State

- ❖ High Powered Steering Committee (HPSC) in position
- ❖ Principal Secretary, LSGD as the Mission Director
- ❖ Project Director, Kerala Sustainable Urban Development Project (KSUDP) entrusted to coordinate the preparatory activities.
- ❖ Mission Management Units are deputed to coordinate the intra-state challenges.

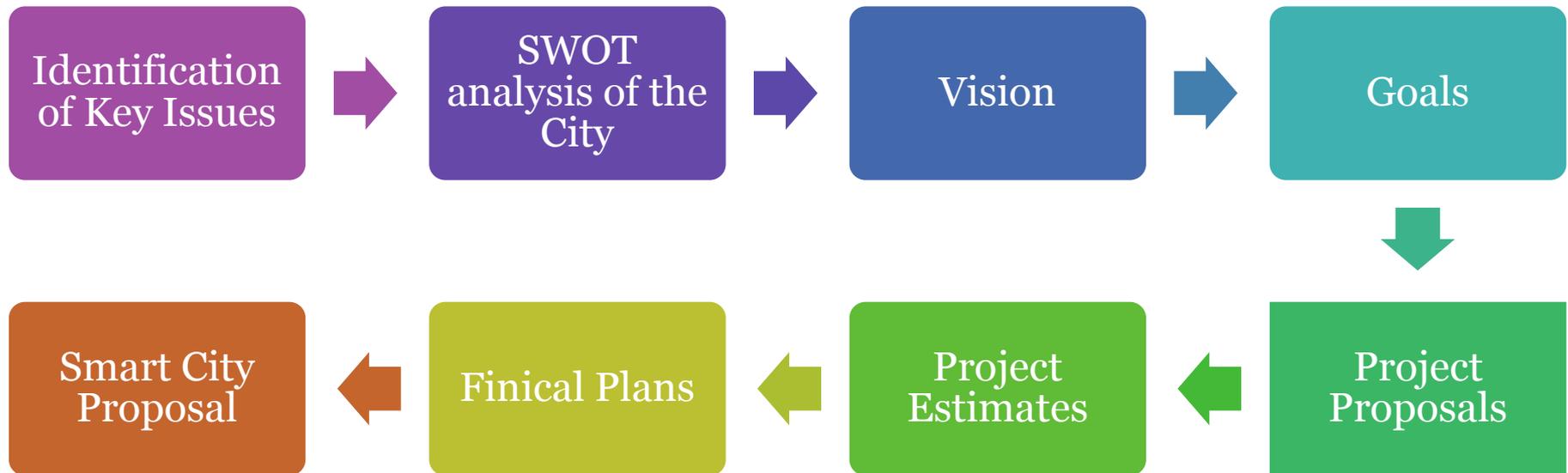


Way Forward

- ❖ Prepare a Smart City Proposal to participate in the Smart City Challenge
- ❖ Identify the consulting firm for Smart City Proposal (SCP) for stage -2 challenge
 - MoUD has empanelled list to support the city to prepare SCP.
- ❖ Citizen Campaigns and Stakeholders consultative meetings to articulate the vision for the city



Process



THANK YOU

Technical Support:

State Mission Management Unit

