SMART CITY MISSION

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URBAN DEVELOPMENT, HIMACHAL PRADESH

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CONTENTS

1. Smart City – Definition,
2. Components of development in smart city
3. Strategies
4. Coverage & Duration
5. Smart City Proposal
6. Smart City Selection Process
7. Capacity Assistance for SCP
8. Implementation & Financing
9. Raising & utilization of Funds
10. Mission Monitoring
11. Smart City Challenge & Action Plan
SMART CITY - DEFINITION

• NO UNIVERSALLY ACCEPTED DEFINITION

• MEANS DIFFERENT THINGS TO DIFFERENT PEOPLE AND VARIES FROM CITY – CITY, COUNTRY – COUNTRY

• IT IS BASED UPON THE LEVEL OF DEVELOPMENT, WILLINGNESS TO CHANGE & REFORM, RESOURCES AND ASPIRATION OF THE RESIDENTS

• SCM – TO PROMOTE CITIES THAT PROVIDE CORE INFRASTRUCTURE AND GIVE A DECENT QUALITY OF LIFE TO ITS CITIZENS & REPLICABLE MODEL
SMART CITY - OBJECTIVES

- PROVIDE BASIC INFRASTRUCTURE
- Quality of Life
- Clean & Sustainable environment
- Application of Smart Solutions
- To make as a replicable model for other aspiring cities in the zone.
- Focused on sustainable and inclusive development
SMART CITY FEATURES

- Promoting Mixed Land use in area-based developments
- Housing & Inclusiveness
- Creating Walkable localities
- Preserving & developing Open Spaces
- Promoting a variety of transport options
- Making governance Citizen-friendly & cost effective
- Giving an identity to the city
- Applying smart solutions to infrastructure & services
### CORE INFRASTRUCTURE ELEMENTS

<table>
<thead>
<tr>
<th>Adequate Water supply</th>
<th>Good governance especially e-governance and citizen participation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assured Electricity supply</td>
<td>Sustainable environment</td>
</tr>
<tr>
<td>Sanitation including Solid Waste Management</td>
<td>Safety and Security of Citizens, particularly women, children and the elderly</td>
</tr>
<tr>
<td>Efficient urban mobility and public transport</td>
<td>Health and Education</td>
</tr>
<tr>
<td>Affordable housing, especially for the poor</td>
<td>Economic Activities &amp; Livelihood Opportunities</td>
</tr>
<tr>
<td>Robust IT Connectivity and digitalization</td>
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</tr>
</tbody>
</table>
Cities may add any number of smart solutions to the area based developments to make government funds cost effective.
Smart solutions are application of IT&C to municipal services and infrastructure to make them better.

**Examples** –

- Smart water meters and billing systems,
- Remotely controlled automatic distribution valves,
- Real time, online systems of monitoring water quality,
- City-wide intelligent video surveillance network,
- Using mobile phones for cyber tour of worksites.
1. City Improvement (Retrofitting)

**Strategies:**

- Planning in an Existing build-up area to achieve smart city objectives to make the existing area more efficient and liveable;

**Suggested area:**

- More than 500 acres
- (e.g.) Local Area development in Ahmedabad
- • For NE & Himalayan states, the proposed area will be one-half of above prescribed Models
2 City Renewal (Redevelopment)

**Strategies:**
- Replacement of Existing built-up environment and enable co-creation of a new layout with enhanced infrastructure using Mixed land-use and increased density.

**Suggested area:**
More than 50 acres (e.g.)
1. Saifee Burhani Upliftment project (Bhendi Bazaar Project, Mumbai)
2. East Kidwai Nagar, New Delhi
- For **NE & Himalayan** states, the proposed area will be one-half of above prescribed Models.
Vision: The Vision of the project is to provide residential and commercial tenants with an environment that fosters human growth in all aspects – Spiritual, intellectual, social and Financial.
Features

- Upgrading 3,200 Homes
- Quality Space for 1,250 Business
- Rebuilding the life of 20,000 people

**Smart & Sustainable development**

- Well-spaced and aligned buildings providing better natural light and ventilation for the residents
- Pedestrian friendly neighbourhood with tree-lined footpaths & recreational areas
- Well-planned garbage handling & disposal system & sewage treatment plant – recycling water
- Rainwater harvesting
- Organised parking facilities
- Solar panels and energy efficient fittings
- Modern technology for better security

Saifee Burhani Upliftment project

- Longest high street shopping destination
- Sustainable solution for rejuvenation of Inner city areas
- New and Safe City Infrastructure & Buildings
- Redevelopment in a densely populated areas
Smart City developments

Smart Housing

- Free of cost spacious homes of minimum 350 sq.ft on ownership basis, Provision of corpus Fund to provide for Maintenance for 10 years
- Design incorporate ensuite Bathrooms for joint family style living

Smart Technology

- Optical Fibre Connectivity network – enabling high speed broadband & IP TV
- Centralized Data Management system – with central smart desk facility to access data at all times
- Integrate technology & various elements of eco-system
3 City Extension (Greenfield)

Strategies:

- Introduce Smart solutions in a previously vacant area using innovative planning, plan financing and plan implementation tools (Land pooling / Land reconstitution) with provision of affordable housing.

Suggested area:

e.g.)
1. GIFT city, Gujarat
2. New Town, Kolkata

• For NE & Himalayan states, the proposed area will be one-half of above prescribed Models
Pan city Initiatives (Smart Solutions):

Strategies:

• Application of smart solutions to the existing city-wide Infrastructure
  (e.g.)
  (1) Intelligent Transport System (ITS)
  (2) Waste water recycling
  (3) Smart Metering

• The Smart city proposal to encapsulate either a Retrofitting or Redevelopment or Greenfield development or a Mix thereof and Pan-city feature with Smart solutions.
Essential Features for Area based developments

- Assured Electricity Supply with at least 10% of requirement from Solar / Renewable Sources
- Adequate Water supply including Waste water recycling & Storm water reuse.
- Sanitation including Solid Waste Management
- Rainwater Harvesting
- Smart Metering
- Robust IT Connectivity and Digitalization
- Pedestrian Friendly pathways
- Encouragement to Non Motorized Transport (e.g. Walking, Cycling)
Essential Features for Area based developments

- Intelligent Traffic Management
- Non-Vehicle Streets, Zones
- Smart Parking
- Energy Efficient Street Lighting
- Innovative use of open spaces
- Visible improvement in the area (Use of Underground Ducts)

- In redevelopment & Greenfield development, At least 80% of Buildings should be energy efficient & green buildings.
- In Greenfield development, at least 15% in the affordable housing category.
Coverage & Duration – Smart Cities Mission

- The Mission covers 100 cities (Cities allocated to Himachal Pradesh – 1 No.)
- Duration will be five years (FY 2015-16 to 2019-20)

Centre will invest a total of Rs. 48,000 crore in 100 cities across the country for 5 years – each Smart city will get Rs. 100 crore each for five years.

Shares from State/UT : ULB (Additional resources) 50:50 equity

These funds will act as a catalyst to attract funding from internal and external sources.

Shareholding ratio for SPV (Majority from State/UT & ULB together) State/UT: ULB: Private sector 40:40:20 (or) 30:30:40
Implementation & Financing

- The States & ULBs ensure that-
  (a) Dedicated & substantial revenue stream is available to the SPV, to make sustainable & could evolve its own credit worthiness
  (b) Government contribution is used to create infrastructure has public benefit outcomes.
- The project execution may done through joint ventures, subsidiaries, PPP, turnkey projects etc, suitable with revenue streams.
SMART CITY PROPOSAL (SCP)

• The SCP contain area-based development and Pan-city initiatives.

• During the process of preparing SCP, the objective and funds of all government departments, parastatals, private agencies and the citizens are dovetailed.

• Two Ways of obtaining technical assistance support for preparing SCP.
By Hiring consulting firms
1. Approved empanelled consulting firms by MoUD
2. States have the option to appoint consulting firm as per state financial rules)

Engaging with Handholding agencies
1. Technical Assistance from Foreign Governments,
2. Other External Organizations, including bilateral and Multilateral institutions, (World Bank, ADB, JICA, USTDA, AFD, KfW, DFID, UN Habitat, UNIDO, etc)
3. Domestic Organizations
SMART CITY Selection Process

1. Letter to all state governments to shortlist potential Smart Cities based on Stage-I criteria
2. On the basis of response from States/UTs, the list of potential 100 Smart Cities is announced
3. Each potential Smart City prepares its proposal assisted by a consultant
5. Selected cities declared – Round 1 Smart Cities
6. Selected cities set up SPV and start implementation of their SCP. Preparation of DPRs, tenders etc.
7. Other cities prepare to improve their proposal for next round of the Challenge
City Selection Criteria - Stage 2

1. The 100 shortlisted potential Smart Cities are selected through an inter-state competition.
2. The 100 selected cities prepare their Proposals for All India competition with capacity assistance.
3. Based on pre-defined Stage 2 criteria, the evaluation is done by national and international organisations.
5. Winners set up SPV and start implementation. Preparation of DPRs, tenders etc.
### SMART CITY Selection Process

#### City Challenge Competition - Stage-1

<table>
<thead>
<tr>
<th>Shortlisting of Cities by states</th>
<th>1. Intra-State competition</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Basis of conditions precedent &amp; scoring criteria, the potential smart cities identified in the State / UT</td>
</tr>
<tr>
<td></td>
<td>3. Scoring Criteria for ULBs</td>
</tr>
<tr>
<td></td>
<td><strong>Existing Service Levels</strong></td>
</tr>
<tr>
<td></td>
<td>(i) Institutional Systems / Capacities – 15 points</td>
</tr>
<tr>
<td></td>
<td>(ii) Self-Financing – 30 points</td>
</tr>
<tr>
<td></td>
<td>(iii) Past track record &amp; reforms – 30 points</td>
</tr>
<tr>
<td></td>
<td>4. The conditions precedent &amp; scoring criteria of cities evaluated by State Mission Director &amp; placed for approval from High Powered Steering Committee (HPSC)</td>
</tr>
</tbody>
</table>

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**Notes:**
- 25 points
- 30 points
- 30 points
# Form-2
(To be sent by ULB to the State)

| Part 1: Increase in sanitary latrines built under Swachh Bharat Mission | 10 |
| Part 2: Operable Online Grievance Redressal System | 5 |
| Part 3: Monthly e-newsletter | 5 |
| Part 4: Electronically enabled project-wise municipal budget expenditure information | 5 |
| Part 5: Resolution of elected city council | |
| Part 6: Consultation held with residents on city development priorities. | |
| Part 7: Levy of compensatory penalty for delays in service delivery | 5 |
## Form-2
(To be sent by ULB to the State)

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part 8:</td>
<td>Collection of internally generated revenue (e.g. taxes, fees, charges) during the last three FYs (2012-15).</td>
<td>10</td>
</tr>
<tr>
<td>Part 9:</td>
<td>Payment of salaries</td>
<td>5</td>
</tr>
<tr>
<td>Part 10:</td>
<td>Audit of accounts</td>
<td>5</td>
</tr>
<tr>
<td>Part 11:</td>
<td>Percentage contribution of tax revenue, fees and user charges, rents and other internal revenue sources</td>
<td>10</td>
</tr>
<tr>
<td>Part 12:</td>
<td>Percentage of establishment and maintenance cost of water supply</td>
<td>10</td>
</tr>
<tr>
<td>Part 13:</td>
<td>Percentage contribution of internal revenue sources (self-generated) used for capital works during FY 2014-15</td>
<td>10</td>
</tr>
<tr>
<td>Part 14:</td>
<td>City-level JnNURM Reforms</td>
<td>10</td>
</tr>
<tr>
<td>Part 15:</td>
<td>Completion of Projects sanctioned upto March, 2012 under JnNURM.</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Task Description</td>
<td>Points</td>
</tr>
<tr>
<td>---</td>
<td>----------------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>1</td>
<td>Increase over Census 2011 or Swachh Bharat baseline on number of household sanitary latrines (whichever is less)</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>Making operable Online Grievance Redressal System with response being sent back to complainant</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>At-least first monthly e-newsletter published</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>Electronically place project-wise municipal budget expenditure information for the last two financial years on the website</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>Levy of compensatory penalty for delays in service Delivery</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>Collection of internally generated revenue (e.g. taxes, fees, charges) during the last three Fys (2012-15)</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Description</td>
<td>Weight</td>
</tr>
<tr>
<td>---</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>7</td>
<td>Payment of salaries by ULB up-to last month</td>
<td>5</td>
</tr>
<tr>
<td>8</td>
<td>Audit of accounts for FY 12-13</td>
<td>5</td>
</tr>
<tr>
<td>9</td>
<td>Percentage contribution of tax revenue, fees and user charges, rents and other internal revenue sources</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>Percentage of establishment and maintenance cost of water supply</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>Percentage contribution of internal revenue sources (self-generated) used for capital works during FY 2014-15</td>
<td>10</td>
</tr>
<tr>
<td>12</td>
<td>Percentage of City-level JnNURM Reforms Achieved</td>
<td>10</td>
</tr>
<tr>
<td>13</td>
<td>Percentage of completion of Projects sanctioned upto March, 2012 under JnNURM</td>
<td>10</td>
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</tbody>
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# Annexure-4 Challenges Stage-2

<table>
<thead>
<tr>
<th>City Level-Evaluation Criteria</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Credibility of Implementation</td>
<td></td>
</tr>
<tr>
<td>2. City Vision and Strategy</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Proposal Level Evaluation Criteria</th>
<th>70</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Impact of Proposal</td>
<td></td>
</tr>
<tr>
<td>4. Cost Effectiveness</td>
<td></td>
</tr>
<tr>
<td>5. Innovation and Scalability</td>
<td></td>
</tr>
<tr>
<td>6. Process Followed</td>
<td></td>
</tr>
</tbody>
</table>
City Challenge Competition - Stage-2

<table>
<thead>
<tr>
<th>Challenge round for Selection</th>
<th>1. Preparation of Smart City Proposal for City Challenge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. It contains the development model chosen for the city</td>
</tr>
<tr>
<td></td>
<td>including Pan city initiatives &amp; Financing Model for</td>
</tr>
<tr>
<td></td>
<td>Smart city proposal.</td>
</tr>
<tr>
<td></td>
<td>3. Documents for smart city challenge</td>
</tr>
</tbody>
</table>

**City Level Evaluation Criteria**  
- 30 points

(i) Credibility of implementation  
(changes happen in last 3 years)
(ii) City Vision & Strategy

**Proposal Level Evaluation Criteria**  
- 70 Points

(i) Impact of proposal
(ii) Cost Effectiveness
(iii) Innovation & scalability
(iv) Process followed
Implementation & Financing

- Each city will have a Special Purpose Vehicle (SPV).
- SPV will have complete flexibility plan, appraise, approve, release funds, implement, manage, operate, monitor & evaluate the Smart City development projects.
- SPV Established as a Limited company under the companies Act, 2013 at city level headed by a full time CEO & have nominees of Central Government, state Government & ULB on its Board.
Raising & Utilization of Funds

- Funds can be used as follows –
  - Project INVESTMENT funds – 93%,
  - State/ULB (Administrative & Office Expenses) – 5%,
  - MoUD (Administrative & Office Expenses) – 2%,
- Advance of Rs. 2 crore to shortlisted cities to prepare SCP.
- First year Rs. 200 crore, thereafter Rs. 100 crore every year.
- Funds release – timely submission of Score Card, satisfactory physical and financial progress as shown from UC and Score Card, achievement of milestones in the Proposal – to be certified.
Mission Monitoring

- National level – Apex Committee (AC) headed by Secretary

- State level - State level High Powered Steering Committee (HPSC) - chaired by the Chief Secretary

- City Level - CEO of the SPV is convener of the Smart City Advisory Forum.
State Level Monitoring

- At State level High Powered steering Committee (HPSC) chaired by Chief Secretary, Steer and Monitor the Smart City Mission programme.

- The Mayor & Municipal Commissioner of the ULB represented in the HPSC.

- State Mission Director (Not below the rank of Secretary, State Government-nominated by State government) will function as Member-Secretary of the State HPSC.
State Level Monitoring

- Composition of HPSC
  i. Principal Secretary, Finance,
  ii. Principal Secretary, Planning,
  iii. Principal Secretary/Director, Town & Country Planning Department, State/UT Governments,
  iv. Representative of MoUD,
  v. Select CEO of SPV in the State,* (When it is formed)
  vi. Select Mayors and Municipal Commissioners /Chief Executive of the ULBs, and Heads of the concerned State Line Departments,
  vii. Secretary/Engineer-in-Chief or equivalent
  viii. Public Health Engineering Department,
  ix. Principal Secretary, Urban Development – Member Secretary.
Responsibilities of HPSC

(i) Provide guidance to the Mission and provide State level platform for exchange of ideas pertaining to development of Smart Cities.

(ii) Oversee the process of first stage intra-State competition on the basis of Stage 1 criteria.

(iii) Review the SCPs and send to the MoUD for participation in the Challenge.
At city level Smart City Advisory Forum will be established.

The Smart City Advisory Forum will include the District Collector, MP, MLA, Mayor, CEO of SPV, local youths, technical experts, and representative of Associations.

The CEO of the SPV will be the convener of the Smart City Forum.
Smart Cities Challenge

i. This is the first time a MoUD programme is using the ‘Challenge’ or competition method to select cities for funding.

ii. Strategy of area-based development.

iii. Citizen involvement is a key to the success of the Smart Cities Mission. The involvement has to start from beginning to the end.
Action Plan – Smart City Challenge

i. Start the ‘within state’ competition.

ii. Finalize the entities that will assist the state from
   - empaneled list of consulting firms, or
   - appoint a consulting firm outside the panel as per State financial rules or
   - use a handholding agency - bilateral /Multilateral (e.g. World Bank, DFID, UN Habitat, ADB).

iii. Once list of shortlisted Smart Cities is finalized Rs. 2 crore will be disbursed to each city for proposal preparation.

iv. Plan ahead, the states will have stipulated number of days after finalization of first list of potential Smart Cities, to prepare proposals.
THANKS