



Sub-Scheme of Formulation of GIS based Master Plan for AMRUT cities

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INTRODUCTI ON

- Main purpose of the Mission is to improve governance through a set of 11 Reforms by **providing incentives based on performance.**
- These are to be implemented by all the States and **500 Mission cities** within a period of 5 years (2015-16 to 2019-20).
- The State has to submit the roadmap of implementation as part of the **State Annual Action Plan (SAAP)/State Action Plan (SAP)**, which will include Reforms to be implemented at both the State and ULB levels.

LIST OF REFORMS



1. E- Governance
2. Municipal cadre
3. Double entry accounting
- 4. Urban Planning**
5. Devolution of funds & functions
6. Review of BBL
7. Set up of financial intermediary
- 8a. Municipal tax & fees improvement
- 8b. Improvement in levy collection
9. Credit Rating
10. Energy and water audit
11. Swachh Bharat Mission

URBAN PLANNING

Formulation of GIS-Based Master Plans

Objectives & Rationale

The objective is to **develop common digital geo-referenced base maps and land use maps using Geographical Information System (GIS)** in each AMRUT city to enable them to make more **informed strategic decisions**. Use of geospatial technologies is expected to contribute to AMRUT cities in the following ways:

- Formulate a master plan for decision-making
- Effective landuse management and utilization
- Enable project planning and
- Urban management

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Deliverables



- **Generation of Base Map & Thematic Maps and Urban Database Creation** at the scale of 1:4000 as per Design & Standards
- **Formulation of Master Plan:** Formulation of Master Plan of city as per State Town & Country Planning Act on the GIS base map and sector-wise data analysis. The implementing agency is State Mission Director/ULBs
- Duration 36 months
- **Capacity Building:** The training is at 3 levels, Implementing agency State Mission Directors
 - **Administrators level** - three days duration.
 - **Planning level** -two weeks duration.

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Timeline & Challenges

Timeline: 48 months

Challenges:

- Interest on the part of the States/ULBs as they will be overseeing and monitoring the project
- Lack of coordination among Town and Country Planning Departments, Development Authorities, ULBs, Parastatals and Line Departments
- Data collection and vetting of maps from line departments and other concerned agencies
- Lack of adequate capacity and trained professionals
- Availability of legible cadastral

STATUS OF MASTER PLAN FORMULATION OF AMRUT CITIES

As on date, as received from States



No. of cities for which data not received: 36

No. of cities for which data received: 461

No. of cities with Master Plan: 371

No. of cities with no Master Plan: 90

No. of cities with Master Plan on GIS: 121

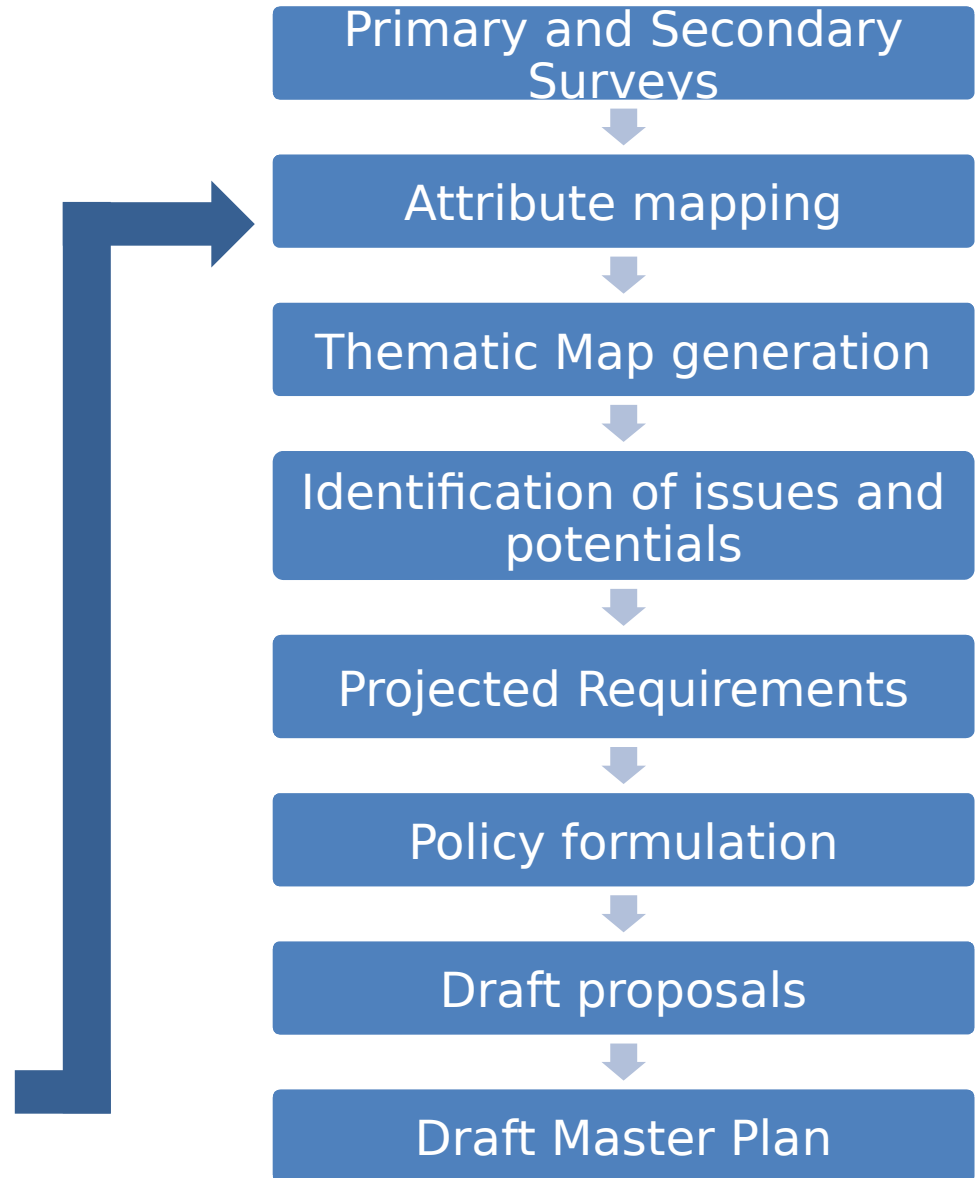
No. of cities with Master Plan not on GIS: 250

No. of cities with MP under preparation: 143

No. of cities with MP with H.Y. < 2015: 123

No. of cities with MP with 2015 < H.Y. < 2021: 107

PROCESS



BUDGET

TCPO has been entrusted the AMRUT sub scheme for **“Formulations of GIS based Master Plan for AMRUT cities”** with an outlay of Rs. 515 crores.

No.	Component	Cost (Rs. in Crore)
1.	Geospatial data creation at 1:4000 scale for 500 AMRUT towns	115.90
2.	Plan Formulation using Geospatial database	388.25
3.	Capacity Building	10.85
Grand Total		515.00

ACTIONS INITIATED @ NATIONAL LEVEL

- The Ministry has released Rs. 22.07 Crores for 15 States (148 Towns) as a first installment on 19th June, 2017
- The release of funds (Rs. 19.02 Crores) for 5 States is under the consideration of the Ministry
- Design & Standards has been finalized and uploaded on AMRUT Website.
- Model Request for Proposal (RFP) Template for procurement of consultancy services for formulation of GIS-based master plans finalized and circulated to SMDs.
- Memorandum of Understanding (MoU) for creation of geo-spatial database between MoUD and NRSC has been signed
- Two National Workshops have been organized for stake holders.
- The third National Workshop in coordination with NRSC has been proposed on 22nd September 2017 for handholding with States for implementation of the Sub-scheme
- The syllabus for Capacity Building for three levels of training

WAY FORWARD

Urban Information System (Phase II) for Small & Medium

(Rs. in lakh)

Class	No. of Statutory towns (Census 2011)	Avg. Area of Town (Sq. Km.)	Plan Formulation Unit Cost	Cost of Geo Database Creation	Cost of Mater Plan Formulation	Total Cost
II	548	80	45	4384	24660	29044
III	1315	60	30	7890	39450	47340
IV	1087	40	25	4348	27175	31523
VI	474	20	20	948	9480	10428
V	132	20	20	264	2640	2904
Total	3556	---	---	17840	103412	121247

Thank You



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