

Project overview

- **Organisation:** Town & Country Planning Organisation, Ministry of Housing and Urban Affairs, Govt.of India.
- **Project title:** Sub-Scheme on Formulation of GIS based Master Plans for AMRUT cities.
- **Name/s of the involved institution/s:** All States/UTs and AMRUT Urban Local Bodies
- **Three-line project description:** 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 for Master Plan Formulation



Sub-Scheme on
**Formulation of GIS based
Master Plans**
for AMRUT cities

Town & Country Planning Organisation
Ministry of Housing and Urban Affairs
Govt. of India

(Institutional setting)

AMRUT Mission



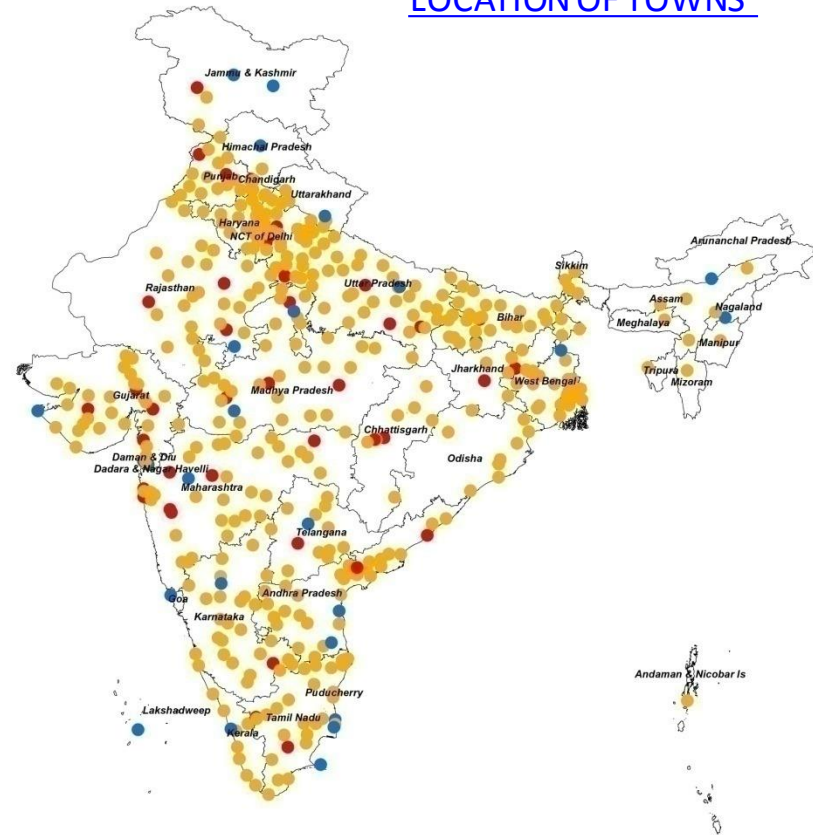
LOCATION OF TOWNS

The purpose is to improve governance through a set of 11 Reforms by **providing incentives based on performance.**

Coverage: 500 city

Timeline: 5 years (2015-16 to 2019-20)

The State has to submit the roadmap of implementation of Reforms at both State and ULB levels as part of the **State Annual Action Plan (SAAP)**

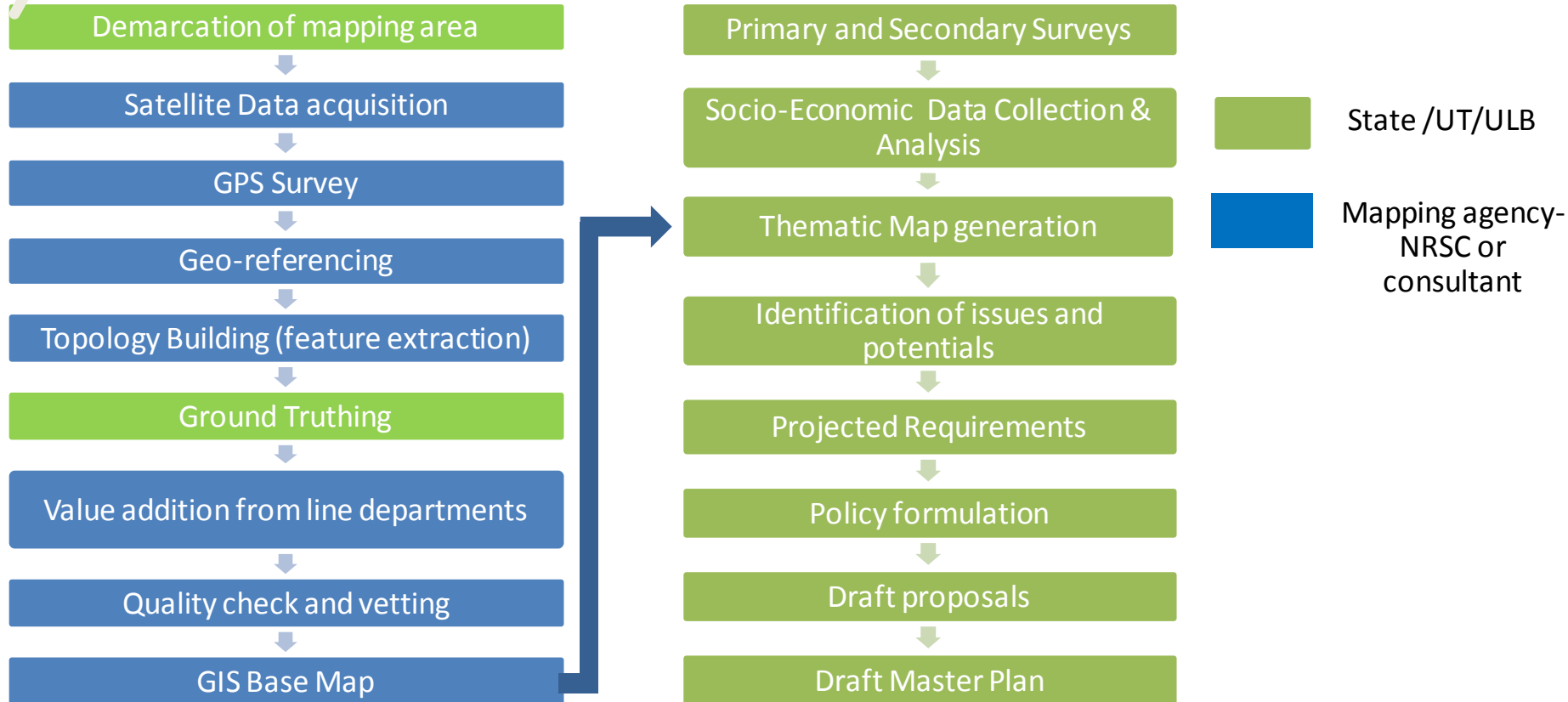


Project goals-Components

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 for Master Plan Formulation. The major components are:

- **Creation of Geo-database** 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.
- **Capacity Building:** The training is proposed at 3 levels:-
 - **Administrators level** –three days duration.
 - **Planning level** –two weeks duration.
 - **Operators and Technicians level** –four weeks duration.

Approach/Methodology



Financial

S N	Component	Cost (Rs. Crores)	Cost (\$ Million)
1	Geospatial data creation	115.90	15.45
2	GIS Based Master Plan Formulation	388.25	51.76
3	Capacity Building	10.85	1.45
Grand Total		515.00	68.66

Funds approved : Rs. 412.53 cr. (\$ 55.00 M)

Funds Released : Rs. 124.64 cr. (\$ 16.61M)

UC Received :: Rs. 54.27 cr. (\$ 7.24 M)

Physical

1. Geo-database Creation

Steps	Draft Maps	Geo database vetted	Final Maps Delivered
States	29	16	11
Towns	393	172	136
% of Work completed	86.18	37.71	29.82

2. Master Plan Formulation

Steps	Draft Master Plan	Final Master Plan
States	11	5
Towns	68	43
% of Work completed	14.91	9.40

3. Capacity Building

Training Levels	Total
States	
Officials trained	1462(48)

Implementation Mechanism

State Level

Consultancy Evaluation & Review Committee (CERC)

- Will monitor the consultation work for geo database creation & master plan formulation

State Level Technical Committee (SLTC)

- Will oversee the progress of the technical implementation of the Reform

State level High Powered Steering Committee (SHPSC)

- Will look into overall coordination and implementation of the Reform

Central Level

National Monitoring and Review Committee (NMRC)

- Will monitor the Physical and Financial Progress and will report to TAC

Technical Advisory Committee (TAC)

- Will report to Apex Committee of AMRUT

The Apex Committee

- Will monitor/ review overall progress and achievements and address any inter-agency issues.

Very High Resolution Satellite Data (Part of Thrissur, Kerala)



1. Vadakkunnathan Temple



2. St. Mary's College



Urban Geospatial Database Creation using High Resolution Satellite Data



Outputs/Outcomes:

Accurate and faster way of formulation of Master Plans

The sub scheme will set a path to formulate the Master Plan in an accurate & faster way using Remote Sensing and Geographical Information System (GIS) Technologies.

Easy up-dation of Geo-database and revision of Master Plans

The up-dation on regular basis of Geo-database created at 1:4000 scale under the sub-scheme will be easy and also help to the great extent for revision of Master Plans.

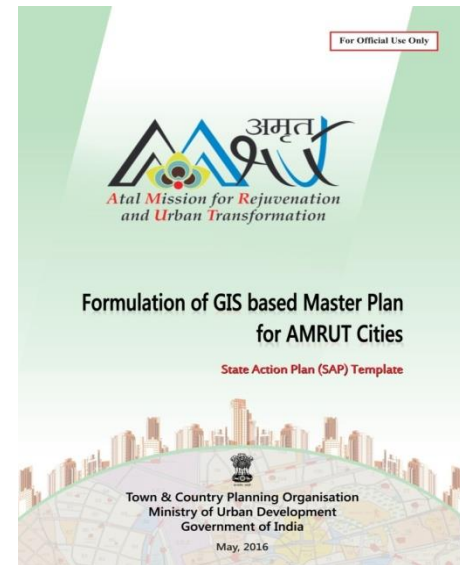
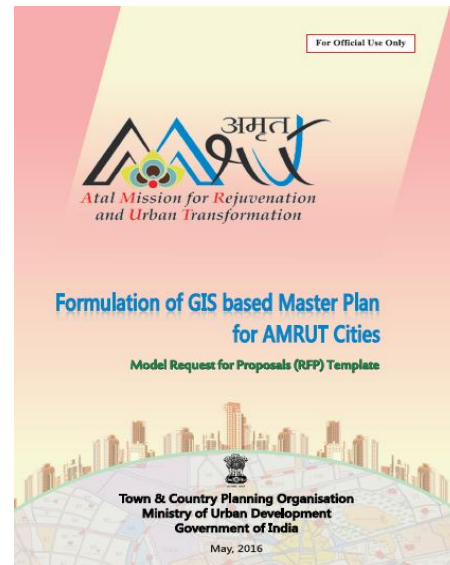
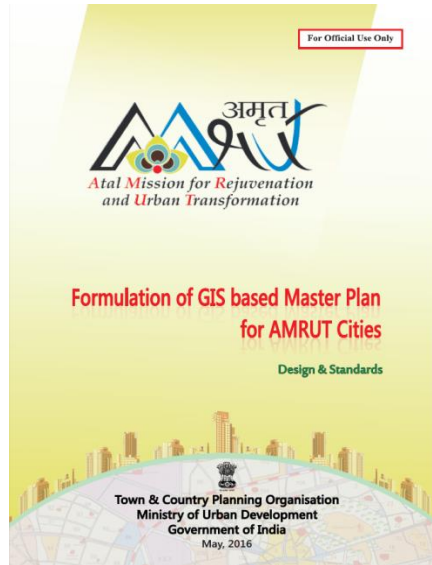
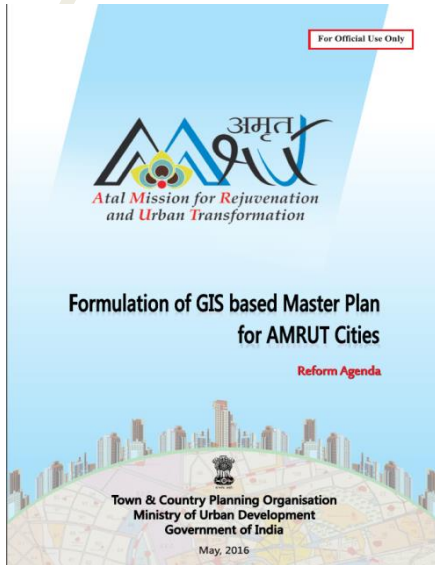
Monitoring and implementation of Urban Development Projects

The sub-scheme will help in monitoring and implementation of various urban development projects with high accuracy and transparency.

Online Building Permission System (OBPS)

The existing/proposed land use database created under the sub-scheme will be a supporting platform for OBPS in transparent and faster delivery of services.

Accomplishments



Available at :-
<http://tcpo.gov.in/site/s/default/files/reports/Sub-Scheme-Guidelines.pdf>

Available at :-
<http://tcpo.gov.in/site/s/default/files/reports/Sub-Scheme-Design%20and%20Standards-edit.pdf>

Available at :-
<http://tcpo.gov.in/sites/default/files/reports/ModelRFP.pdf>

Available at:-
<http://tcpo.gov.in/sites/default/files/reports/StateActionPlan-Template.pdf>

- Slow progress in geo-database creation
- Slow progress in vetting & attribute data collection
- Slow progress for awarding the contract for formulation of GIS based Master Plan
- Submission of Utilisation certificate.

Follow up/Way Forward

Formulation of GIS based Master Plans for Small and Medium Towns

**Design and Standards for
Application of Drone/ UAV Technology**



Town & Country Planning Organisation
Ministry of Housing and Urban Affairs
Government of India

October, 2020



Thank You

Town & Country Planning Organization

Government of India

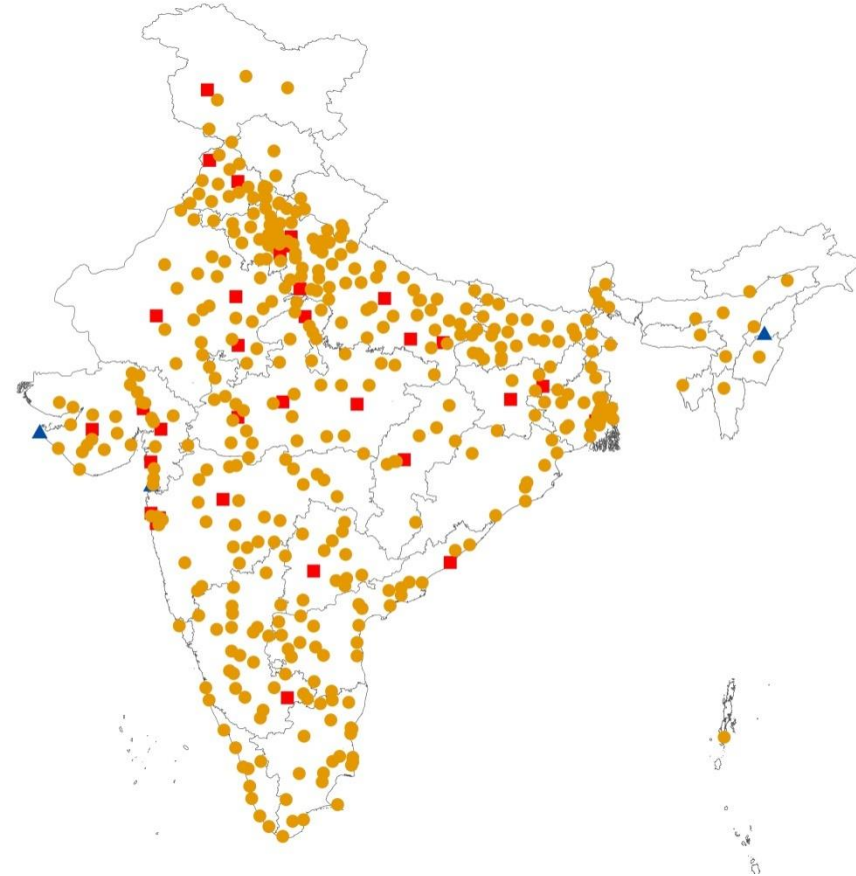
Ministry of Housing & Urban Affairs

E- Block, Vikas Bhawan,

I.P. Estate, New Delhi-110002

www.tcpo.gov.in

Coverage



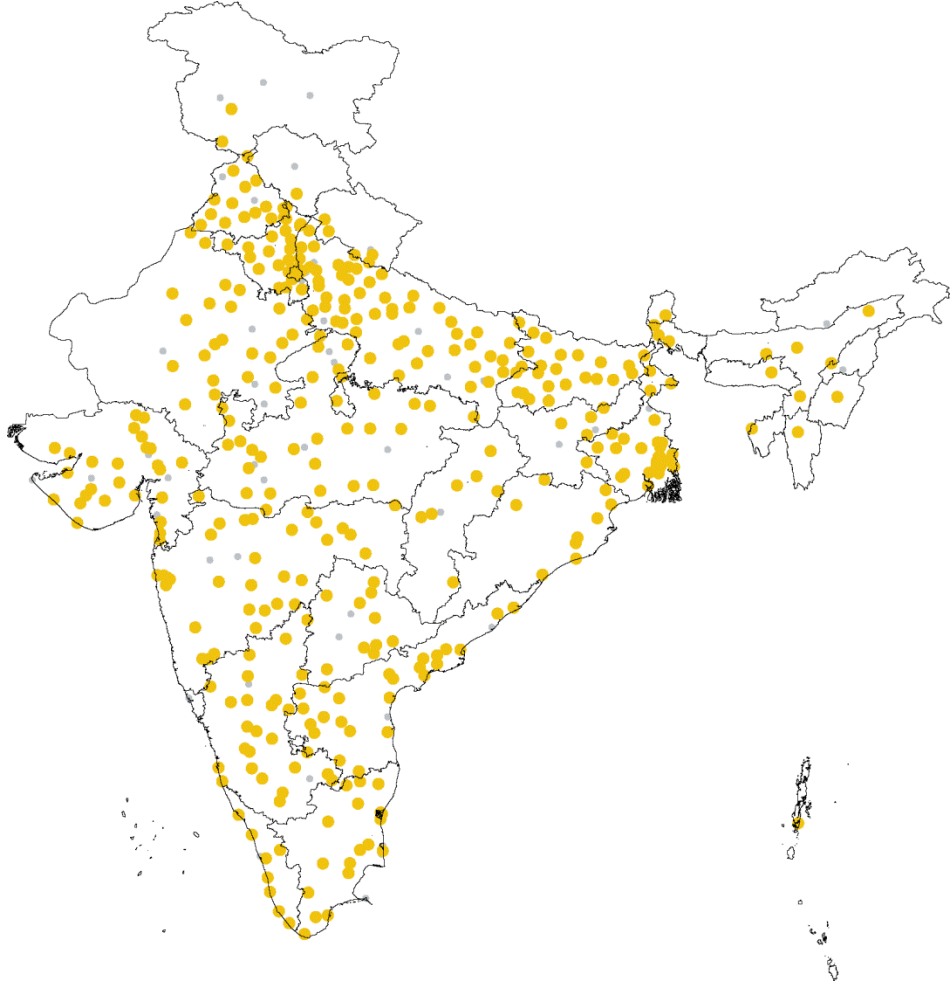
Class	No. of Towns	Symbol
Metro	34	■
Class-I	419	●
Others	3	▲
Total	456	

The UTs of Dadra & Nagar Haveli and Lakshadweep were dropped

METRO cities



CLASS-I cities



Other Than Class-I cities

