

Formulation of GIS-Based Master Plan for AMRUT Cities is one of the important reforms under Atal Mission for Rejuvenation and Urban Transformation (AMRUT), which has been approved as a 100% Centrally funded sub-scheme on November 2015. The sub-scheme is envisaged as a State-driven programme with funding from the Administrative & Office Expenses (A&OE) head of the Central Government with an outlay of Rs. 515 crores.

OBJECTIVES

- Develop common digital geo-referenced base maps and land use maps at 1:4000 scale on Geographical Information System (GIS) platform using very high resolution satellite data and
- Master Plan Formulation for 500 cities that are selected as AMRUT Cities.

MAJOR DELIVERABLES

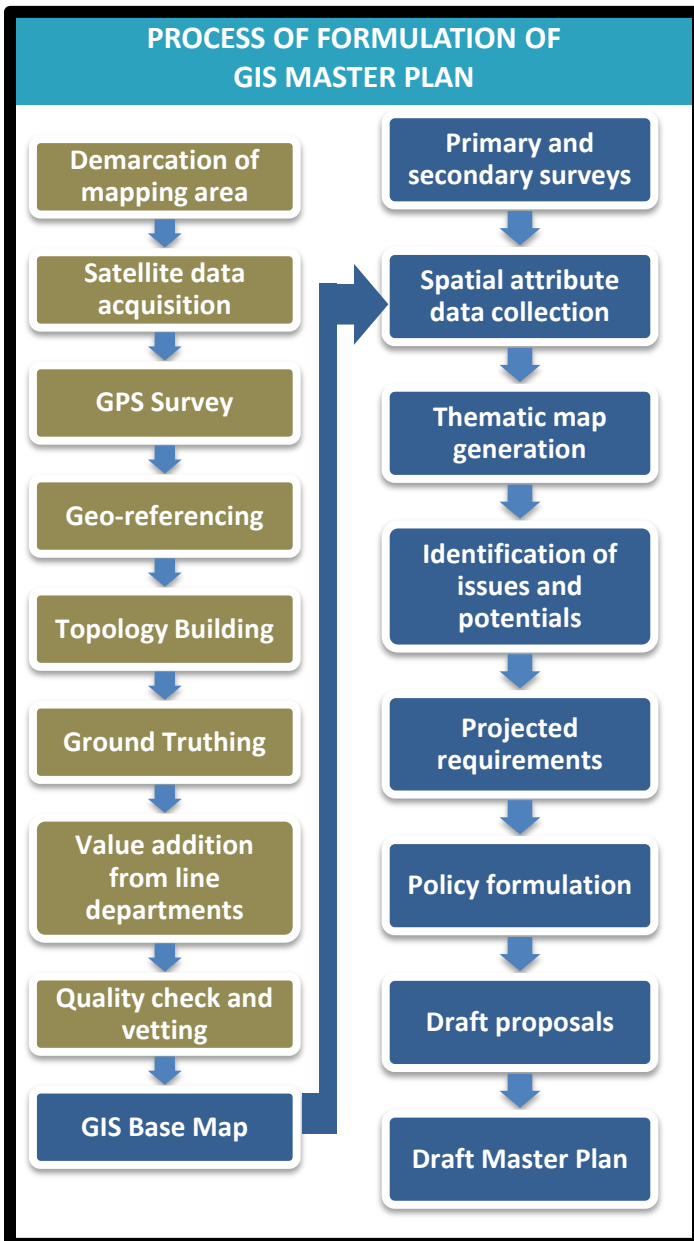
Base Maps & Thematic Maps: City /town base maps and thematic maps including existing landuse maps as per Design & Standards which is prerequisite for formulation of master plans and other plans at the functional scale of 1:4000.

Formulation of Master Plans: Formulation of Master Plans of cities as per State Town & Country Planning Act which includes sector-wise data analysis, demand assessment, identification of issues, projected requirements, development strategy and draft proposals on the GIS base maps.

Capacity Building: Build capacity among town planning, line departments and other concerned personnel at State and local levels to create a cadre of professionals proficient in the use of Remote Sensing and GIS technology for use and updation of databases in urban planning and management.

ROLES & RESPONSIBILITIES

SN	Role	Responsibility
1.	Satellite data acquisition and final base map preparation at 1: 4000 scale	NRSC, Department of Space
2.	Prioritisation and demarcation of area of mapping of cities and vetting of maps	State Mission Directorates (SMDs)
3.	Formulation of GIS-based master/ development plans	SMDs/ ULBs
4.	Monitoring & coordinating the implementation of the scheme	MoUD/ TCPO
5.	Capacity Building	SMDs



MAJOR ACTIVITIES & TIMELINE

Phase	No. of towns	Duration (Months)	Major Activities
A. Base Map Generation			
Implementation Agency: NRSC, TCPO and SMDs			
I	100	6	Data acquisition, geo-referencing, GPS survey, data processing, ground truthing, generation of thematic layers
II	100	6	
III	150	6	
IV	150	6	
A. Master Plan Formulation			
Implementation Agency: SMDs and TCPO			
I	100	36	Attribute collection, vetting of maps, primary and secondary surveys, data collection and analysis, formulation of master plan
II	100	36	
III	150	36	
IV	150	36	

BUDGET ESTIMATE

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

BENEFITS OF THE SUB-SCHEME

- Speedier formulation of master plan
- Effective land-use management
- Monitoring of spatial growth
- Enable project planning
- Better urban management

ACTIONS INITIATED

- + Meeting with all Chief Town Planners of different States held on 17.02.2015 to discuss the proposal.
- + Unit rate of mapping was worked out by NRSC and average area of different class size of town was obtained from State Governments.
- + Design & Standards finalized and circulated to the States.
- + SMDs requested to prioritize cities and demarcate planning areas of cities.
- + SMDs requested to provide timelines and action plan for implementation of the sub-scheme.
- + 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 finalized.
- + Template for State Action Plan (SAP) for the Sub-scheme has been finalized.

