

Name of Project : National Urban Information System (NUIS) Project.

The Planning Commission, Government of India set up the National Natural Resources Management System (NNRMS) in 1983 supported by nine Standing Committees, including the Standing Committee on Urban Management (SC-U) to provide guidelines on major issues related to urban applications, identification of new areas for research and advice on taking up of specific national programmes.

The Ministry of Urban Development (MOUD), hosts the NNRMS Standing Committee on Urban Management (SC-U), chaired by the Secretary, Urban Development and the proposal to develop holistic National Urban Information System (NUIS) Scheme was mooted by the SC-U to be taken up in a National Mission Mode.

SCALE : 1:1,000, 1:2,000 & 1: 10,000

OBJECTIVE :

The Ministry of Urban Development has initiated a Centrally Sponsored Scheme viz National Urban Information System (NUIS) Scheme during the Tenth Five Year Plan which comprises broadly of two major components i.e. a) Urban Special Information System (USIS) to meet the spatial (maps/images) data/information requirements of urban planning for routine functions and, b) National Urban Databank and Indicators (NUDBI) for development of town level urban database to support development of indices through a network of Local Urban Observatories (LUOs) and National Urban Observatory (NUO) Programme.

Database to be developed at two levels :

- i) 1:10,000 scale GIS for Development / Master Plan for 152 towns.
- ii) 1:2,000 scale GIS database for detailed town planning schemes using high resolution remotely sensed data sources (Aerial Photographs) for areas greater than 25 Sq. Kms. For smaller areas the map will be derived from Ground surveys, and
- iii) 1:1,000 scale Utility Maps derived from the 1,2000 base maps for 22 towns to be under taken using Ground Profiling /Penetrating Radar (GPR) technology.

ROLE OF SURVEY OF INDIA

Survey of India has taken up the work to generate and supply the geo-spatial data required for the project.

All GDCs except D.Svy (Air) & Delhi GDC are involved in the project.

COMMENCED : 13th Feb., 2006.

ESTIMATED COST : 53.02 crore (Cost of Utility Mapping not Included, yet to be finalized)

The Central Govt will provide 75% of the cost and concerned State Govt will bear balance 25% cost.

Total expenditure incurred upto June, 2015 --- **Rs. 51.26 crore.**

Expected expenditure to complete the balance work --- **Rs 1.76 crore.**

Amount received from MoUD & States --- **Rs. 48.55 crore.**

Balance Amount required --- **Rs 4.47 crore**

INPUTS

- Satellite Imagery (Cartosat & Resourcesat)
- 1:2,000 scale GIS database
- Aerial Photography on 1:10K
- HR imagery in case of 15 towns
- 1:1,000 scale Utility Maps using GPR
- 1:2,000 base Maps

OUTPUTS

- Multispectral satellite images for 1:10,000 mapping
- Aerial photo prints used as source for 1:2,000 mapping
- Global Positioning System (GPS) data
- 1:1,000 scale Utility maps using Ground Profiling/Penetrating Radar (GPR) technology from 1:2,000 database
- Town level mosaic map for each of the two scales
- GIS data sets containing all layers as specified in the NUIS Standards Document.
- The data shall be delivered in digital format along with two sets of colour prints.

CONTENT LAYERS (1:10,000 Scale)

- Multispectral satellite images for 1:10,000 mapping
- Aerial photo prints used as source for 1:2,000 mapping
- Global Positioning System (GPS) data
- 1:1,000 scale Utility maps using Ground Profiling/Penetrating Radar (GPR) technology from 1:2,000 database
- Town level mosaic map for each of the two scales
- GIS data sets containing all layers as specified in the NUIS Standards Document.
- The data shall be delivered in digital format along with two sets of colour prints.

CONTENT LAYERS (1:2,000 Scale)

- Urban layer of point features.
- Urban network layer of line features
- Urban land cover layer of polygon features.

PROGRESS : (As on April 2016)

(i) 1:1,000 – It is decided jointly by SoI and TCPO, New Delhi to drop 1:1,000 Utility Map Survey since no firm / Agencies came forward to do this job.

(ii) 1:2,000 - Total No. of towns 152.

- Final deliverables handed over to SNAs - 123
- Final deliverables at GDC to be handed over to SNAs - 24
- Data with MoD for GSGS clearance - 04
- Data with GIS&RS for Attribute insertion - 0
- Data with SNA/GDC for Attribute collection - 01

(iii) 1:10,000 - Total No. of towns 152.

- Final deliverables handed over to SNAs - 131
- Final deliverables at GDC to be handed over to SNAs - 01
- Data with APGDC/NRSC for Attribute insertion/Correction - 0
- Data with SNA for Attribute collection - 20*

* As per minutes of the meeting held on 12.03.2014 and letter of TCPO Dtd 03.06.2014 the towns whose attribute collection/vetting has not been done upto 15.06.2014, would be deemed completed and Maps of these towns will be delivered with a stamp of “ **For internal use only and not Vetted by SNA** ”

Closing of the Project : It is decided that the project may be closed by the end of March 2016.

PERCENTAGE OF WORK DONE OF NUIS PROJECT

1. 1:2,000 Scale

100					
90	90%	90%	80%	70%	70%
80					
70					
60					
50					
40					
30					
20					
10					
%					
	90	90	80	70	70

2. 1:10,000 Scale

100					
90	80%	80%	80%	80%	80%
80					
70					
60					
50					
40					
30					
20					
10					
%					
	80				