

National Urban Information System

The Ministry of Urban Development launched the National Urban Information System (NUIS) Scheme in March 2006 to develop GIS databases for 152 cities/ towns in the country at two scales i.e., 1:10000 and 1:2000. In addition 22 towns were selected on pilot basis to be mapped at 1:1000 scale using Ground Penetrating Radar technology.

Objectives

- a) Develop spatial and attribute database
- b) Use modern data sources
- c) Develop Standards
- d) Develop urban indices, and
- e) Build capacity at State & local level

Components of NUIS Scheme

NUIS Scheme consists of four major components:

S.N	Component	Implementing Agency
1.	Mapping <ul style="list-style-type: none">• Mapping at 1:10000 Scale using Satellite Images• Mapping at 1:2000 Scale using Aerial Photography• Mapping at 1:1000 scale using GPR	Survey of India/NRSC
2.	Establishment of NUIS Cells (HW/SW)	State Nodal Agency (SNA)/ULBs
3.	National Urban Data Bank & Indicators (NUDB&I)	State Nodal Agency (SNA)/ULBs
4.	Capacity Building	Town & Country Planning Organization

Physical Progress: Data generation for all 152 towns has been completed and sent to the State Nodal Agencies. Mapping at 1:1000 scale was not implemented due to technical issues. Apart from spatial data, the National Urban Data Bank and Indicators (NUDBI) is also a major component of the Scheme and data for 128 cities/ towns has been generated. The spatial and attribute databases thus generated will be useful for preparation of master/development plans; detailed town planning schemes and serves as decision support for e-governance.

Budgetary support for purchase of hardware/ software for creation of NUIS Cells at the State Nodal Agency and local levels were provided to 31 States and UTs. The Scheme is nearing completion.

Total towns covered under NUIS Scheme	152 towns
Data generated at 1:10,000 scale	152 towns
Data generated at 1:2000 scale	152 towns
NUDBI data generated	128 towns

NUIS-Bhuvan & Master Plan Formulation: In coordination with NRSC, Department of Space, the geo-spatial data of 152 NUIS cities/towns at 1:10,000 scale has been uploaded on Bhuvan Portal. A new web-based “NUIS-Bhuvan” application and tools have been developed for formulation of Master Plans, which will facilitate

creation of geo-spatial data, updation of NUIS data with current satellite images, and integrating other spatial data like cadastral maps and attribute data by the ULBs and monitoring master plan formulation. The NUIS-Bhuvan database is being used to formulate master plan online. In this connection username and passwords have been issued to the State Govts. As on date 12 (twelve) States are in the process of master plan formulation using NUIS-Bhuvan, while the remaining States are initiating the process.

In addition, as per information received from State Governments, NUIS database is being used to formulate Master Plans for 11 cities/ towns.

Comprehensive Capacity Building Programme: Under NUIS Scheme, capacity building of about 1600 State and local level town planning personnel in the use of GIS technology through 38 training programmes, workshops and interactive sessions was undertaken as part of NUIS scheme.

During 2014-15, TCPO, Ministry of Urban Development in association with National Remote Sensing Centre (NRSC), has taken up nation-wide three-level capacity building programme. In order to familiarize the personnel of State Town Planning Departments, Urban Development Authorities, Urban Local Bodies, Regional Planning and Development Authorities and other concerned agencies with application of NUIS data for master plan formulation, one National Workshop, 7 Regional Workshops and State Level Workshops for 28 States have been organized with participation of about 2000 personnel. Workshops are being organized for rest of the States.

Financial Progress: The total scheme outlay for NUIS Scheme was Rs. 66.28 crores, 75% was to be borne by the Central Govt. and the 25% was the State matching share. Upto June 2015, Central share of Rs.43.70 crores has been released.
