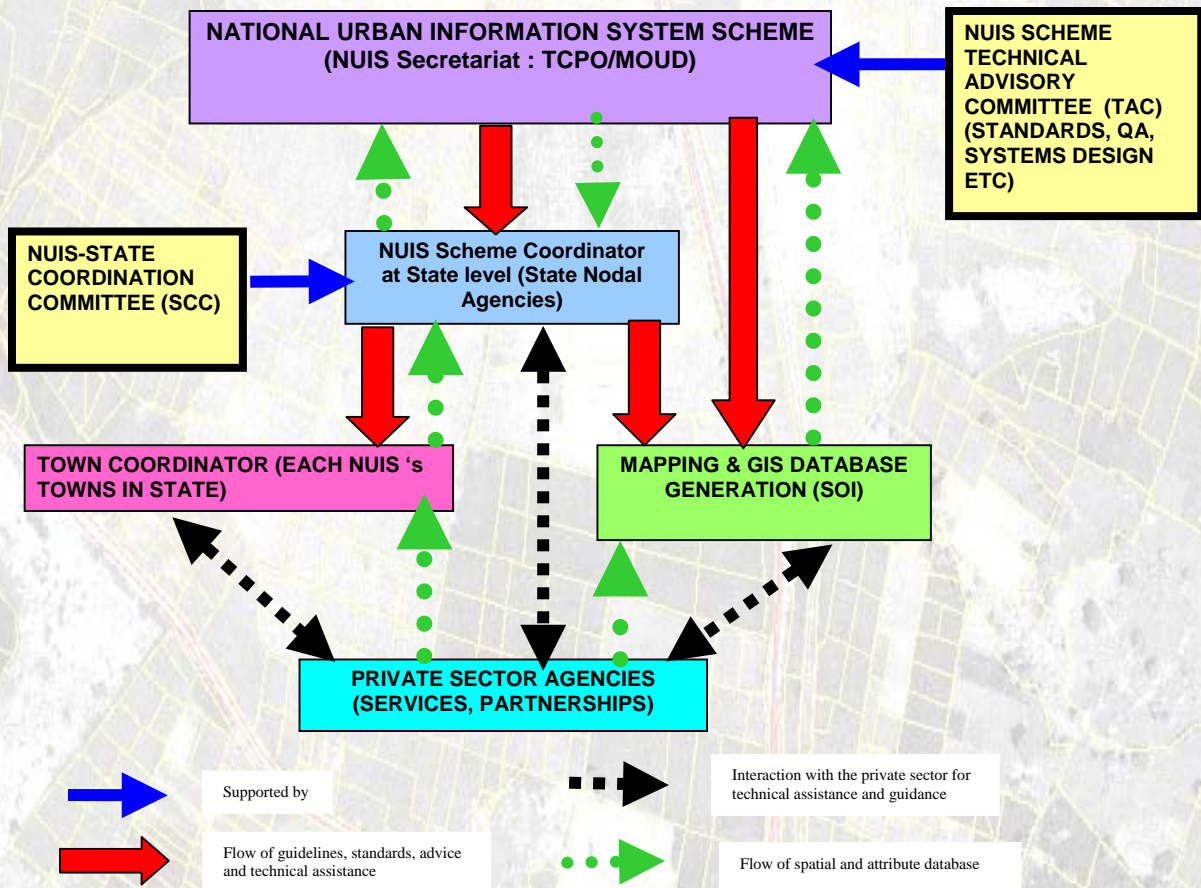


ROAD MAP OF NATIONAL URBAN INFORMATION SYSTEM (NUIS) SCHEME



Government of India
Ministry of Urban Development
(Town & Country Planning Organisation)

1. INTRODUCTION

The Ministry of Urban Development has launched the National Urban Information System (NUIS) Scheme in March, 2006 on National Mission Mode. The Scheme comprises of broadly two major components under a single umbrella i.e. a) Urban Spatial Information System (USIS) to meet the spatial requirements of urban planning and b) National Urban Databank and Indicators (NUDB&I) to develop town level urban database. The spatial and attribute databases thus generated will be useful for preparation of Master/ Development plans, detailed town planning schemes and serve as decision support for e-governance.

1.1 Objectives

The major objective of NUIS Scheme is to establish a comprehensive information system in the urban local bodies for planning, management and decentralised governance in the context of implementation of the 74th Constitution Amendment Act (CAA) and to this end the specific objectives are as follows:

1. Develop attribute as well as spatial data base for various levels of urban planning and decision support to meet requirements of urban planning and management by
 - Enabling preparation of Master/ Zonal plans.
 - Creating a database at Urban Local Body level for monitoring and management.
 - Use modern data sources such as Satellite and Aerial platforms to generate a comprehensive 3-tier GIS database in the scales of 1:10000 for Master Plan and 1: 2000 for detailed town planning Schemes and 1:1000 for utility planning.
2. Develop a model in Utility mapping on pilot basis using Ground Profiling/Penetrating Radar (GPR) technology.
3. Integrate conventional data sources with modern data sources to develop GIS databases.
4. Develop standards for USIS as well as NUDB&I with regard to database, methodology, data exchange format etc.
5. Develop automated integration/application techniques in GIS to provide inputs to Master/ Zonal Planning and utilities management.
6. To create a town level repository of urban database through National Urban Databank and Indicators (NUDBI) Unit which would also assist development of urban indicators for National Urban Observatory (NUO) on pilot basis.
7. Build capacity among town planning professionals for the use of modern automated methods.

8. Decentralize data generation, storage and manipulation at various levels of planning.

1.2 Scope and Coverage

In the first phase, 137 towns and cities are proposed to be covered under NUIS Scheme with due consideration to equitable representation from all States and UTs including North Eastern states. For the NUO however, in addition to 137 towns, 16 Global sample Cities out of the 25 towns selected by the UNCHS, under the Millennium Development Goals, have been included. Thus the total number of towns covered under the NUO would be 153 towns.

The total cost of the Scheme is Rs. 66.28 Crore. The Town & Country Planning Organisation (TCPO) under the Ministry of Urban Development would be the nodal agency for implementation, appraising the progress and review of the Scheme.

To discuss details of the proposal and evolve a strategy for implementation of the Scheme the Ministry of Urban Development and Department of Space jointly organised two Workshops in November, 2003 and November, 2004 at New Delhi and Bangalore respectively.

The work of mapping and generation of GIS Database for 137 towns has been assigned to Survey of India, the National Mapping Agency and an MOU has been signed on 13th March, 2006.

1.3 Performance Measures

The purpose of this Scheme is to establish spatial and non spatial information system for the urban area in the country and to train professionals in the field of Remote Sensing and GIS within two years. Generally, with capacity building efforts and generation of spatial and attribute database the Scheme life cycle is such that the first six months are for preparatory activities and subsequent twelve months will be for implementation and generation of spatial and attribute database and training of the personal and the last six months focus on maintenance effort. Refer annexure- I for proforma for monitoring of physical and financial progress of NUIS Scheme.

The performance measures of the Scheme will include the following

- The number of useable urban information data layers and associated metadata

- The number of appropriate spatial data applications that are used to support urban planning activities.
- Volume of spatial and attribute data generation
- The mechanisms of long-term maintenance and technical support of GIS systems that have been developed by the NUIS Scheme
- Application development
- Maintenance of time schedule by SOI for final deliverables of the Scheme (As per the Article 16 of MOU)
- Number of Master Plan/ Zonal Plan updated
- The number of Town Planning Professionals that are trained and using GIS toward programmatic Goal.
- The successful procurement, installation, and integration of GIS hardware and software.

2. MAJOR ACTIVITIES OF NUIS SCHEME

2.1 INITIATIVES

Step-1: Finalization of Agency to undertake the job of generation of GIS database on 1:10000, 1:2000 and 1:1000 scales

Memorandum of Understanding (MOU) has been signed between MOUD and Survey of India, the National Mapping Agency on 13th March, 2006.

(Action: MOUD/TCPO: Completed)

Step-2: Preparation of NUIS Guidelines

TCPO, the Nodal Agency for NUIS Scheme has prepared NUIS Scheme Guidelines which were approved by MOUD, Planning Commission and Ministry of Finance. Copies of the Guidelines have been circulated to State Governments and State Town Planning Departments. Soft copy of the Guidelines has been uploaded on the Ministry's website <http://urbanindia.nic.in/moud/programme/ud/NUISguidelines.pdf>

Approximately 500 copies of Guidelines have to be printed for circulation to State Nodal Agencies and at the town level.

(Action: TCPO)

Step-3: NUIS Design and Standards

The Ministry of Urban Development constituted a NUIS Scheme Standards committee for formulation of NUIS Scheme Design and Standards. The authoring group has prepared draft document which was circulated in the

workshops held at New Delhi and Bangalore. The Technical Coordination Committee (TCC) meeting held on 03.05.2006 has approved the document.

After approval of the Ministry of Urban Development soft copy of the Design and Standards Document will be circulated to all stakeholders and also uploaded on the Ministry's website.

Approximately 500 copies of Guidelines have to be printed for circulation to State Nodal Agencies and at the town level and training participants.

(Action: TCPO)

Step-4: Constitution of Technical Advisory Committee at the Centre

A NUIS Scheme Technical Advisory Committee (TAC) comprising representatives from Department of Space, Survey of India, National Informatics Centre, selected State Nodal Agencies etc. has been constituted on 29th May, 2006 by the Ministry for coordinating the technical implementation aspects and resolving technical and managerial issues (standards, system specification, Quality Assurance procedures, reviews/ evaluation etc). The TAC will meet as often as required to address the issues related to implementation of Scheme.

(Action: TCPO)

Step-5: Nodal Agency at the Centre

Town and Country Planning Organisation (TCPO), under the Ministry of Urban Development would be the nodal agency, which will function as NUIS Secretariat with full responsibility to implement National Urban Information System (NUIS) Scheme with identified NUIS Scheme Coordinator as the head and other appropriate technical and administrative staff to manage the mission.

TCPO has been assisting the Ministry in conceptualization, formulation and implementation of the Scheme from the inception.

Step-6: Constitution of State Coordination Committee (SCC)

As per NUIS Scheme Guidelines para 10.2, a State Coordination Committee (SCC) will be constituted by State Government/ Union Territory Administration for monitoring and review of NUIS Scheme at State level and recommend the release of Central assistance through TCPO.

(Action: State Government)

Step-7: State Nodal Agency

As per the NUIS Scheme Guidelines para10.3, State Town Planning Departments (STPD) would act as the State Nodal Agency unless an alternate is recommended by the State Government/SCC for implementation and monitoring of the NUIS Scheme in the respective States. Ministry vide letter dated 7th April, 2006 and 15th May, 2006 has requested the State Governments for early identification of the State Nodal Agency (SNA).

(Status: As on May, 2006 State Nodal Agency of Rajasthan, Tripura and D & NH Administration have identified)

(Action: State Government)

Step-8: Establishment of NUIS Cell by State Nodal Agency

State Nodal Agency would set up a State NUIS Scheme Cells with clearly identified personnel for USIS and NUDB&I units. The indicative structure of NUIS Cell is given in NUIS Scheme Guidelines Annexure – XXI.

Physical space for augmentation of the cell has to be identified for USIS and NUDB&I unit.

(Action: State Nodal Agency)

Step-9: Implementing agency at town level

The SCC/SNA will identify the implementing agency in NUIS Scheme towns i.e. Municipal Corporation, Development Authority etc. in consultation with the ULBs for implementation of NUIS Scheme at town level. Nodal officer at town level for NUIS Scheme implementation will be identified by SNA.

(Action: State Nodal Agency)

2.2 USIS COMPONENTS

Step-1: Hardware and Software configuration

As per NUIS Guidelines Rs.20 lakh for SNA and Rs.5.00 lakh for NUIS town are to be released for procurement of HW/SW. State Governments have to release 34% of State Share for procurement of HW/SW. After the release of State share matching Central share of 64% will be released to the respective SNAs. For details kindly refer NUIS Scheme Guidelines.

a. Finalization of HW/SW specification for town/ State Nodal Agency.

As per the para 8.1.1 of NUIS Scheme Guidelines State government has to procure computer system and GIS software based on the specification approved by TAC. For the same a sub-committee for Hardware and Software has been constituted on May, 2006, under the chairmanship of CP, TCPO, for preparation of HW/SW specifications with reference to NUIS Scheme requirements at Town and State levels.

The Sub committee will submit the HW/SW specification to TAC for approval.

(Action: SNA/TCPO)

Step-2: Generation of GIS Database on 1:10000 Scale

- a. As per MOU, work plan for each town along with implementation schedule to be prepared by Survey of India.
- b. Identify 137 town areas for 1: 10000 Scale mapping in consultation with ULBs/ State nodal agency/ State Government.
- c. Design of GIS framework for each town as per NUIS Scheme Standards
- d. Obtain Satellite imageries
- e. GPS Based precision corrections
- f. Interpretation of images, Data base creation and Mapping as per NUIS Scheme Design and Standard document
- g. Verification of check plots
- h. Attribute data creation (NUDB&I) by Urban Local Bodies (ULBs)
- i. Integration of USIS and NUDB&I database.
- j. Final deliverables
- k. Interactive training for utilization and management of database
- l. Updation of NUIS Database

(Action: SOI, NMA and ULBs)

Step-3: Generation of GIS database on 1: 2000 Scale

- a. As per MOU, work plan for each town along with implementation scheduled to be prepared by Survey of India.
- b. Identify 137 town areas for 1: 2000 Scale mapping in consultation with ULBs/ State Nodal Agency/ State Government.
- c. Design of GIS framework for each town as per NUIS Scheme Standards
- d. Obtain clearances from Ministry of Defence for aerial survey
- e. Aerial fly by contractual agency
- f. Procurement of Aerial Photographs
- g. GPS Based precision corrections
- h. Mapping of theses as per NUIS Scheme Design and Standard document
- i. Verification of check plots
- j. Attribute data creation (NUDB&I) by Urban Local Bodies (ULBs)
- k. Interactive training for utilization and management
- l. Updation of NUIS Database

(Action: SOI, NMA and ULBs)

Step-4: Generation of Utility mapping on 1: 1000 Scale

Ground Penetrating Radar (GPR) techniques are to be used for mapping underground utilities. The GPR survey will be carried out in 24 towns for the core areas and the utilities mapped on 1:1000 Scale.

- a. As per MOU work plan for each town along with implementation scheduled to be prepared by Survey of India
- b. Identify areas for GPR survey for 24 towns for list of town selected for utility mapping are at Annexure –VIII in NUIS Scheme Guidelines.
- c. GPSR Survey
- d. Mapping of Utility themes as per NUIS Scheme Standards

- e. Obtain available utility data from town
- f. Design of GIS framework for town as per NUIS Scheme Standards
- g. Creation of GIS database for town as per NUIS Scheme Standards.

(Action: SOI, NMA)

Step-5: Application Development

Application development is an extension of NUIS Scheme i.e. USIS and NUDB&I data bases which are used as inputs for generation of application development tools. The data such as land use, soil, drainage, geomorphology, lithology, transportation etc., developed in USIS is to be used for generation of integrated out puts/ derivative themes such as land use proposals, physical growth of the town, land suitability analysis, ground water assessment, environmental sensitiveness assessment etc which are basic inputs for Master Plan generation.

- Development of urban administration and management applications such as property Tax, water supply tax, Traffic, Health, education etc.
- Development of query shells for easy retrieval of spatial and attribute data.
- TAC will constitute application Development committee (ADC) to identify application development tools and agency to develop the tools.
- Action for Application Development will be initiated after the completion of USIS and NUDB&I components.

(Action: TCPO)

Step-6: Capacity Building

One of the important requirements of NUIS Scheme is to make available trained manpower in towns and States. As per the NUIS Guidelines, 4 persons from each town and 2 persons from each State Nodal Agency would be trained in about 30 training programmes over a period of 2 years with 20 participants per programme.

As per NUIS Scheme Guidelines, the Indian Institute of Remote Sensing (IIRS), National Remote Sensing Agency (NRSA), Survey Training Institute (STI) and Regional Remote Sensing Application Centre (RRSSCs) have been identified for capacity building. Finalization of the training schedules, cost of the training and course content for all the three levels are to be worked out.

Identification of the resource persons from the town agency and State Nodal Agency and allotment of training institute to the participants.

(Action: TCPO/SNA)

2.3 National Urban Databank and Indicators (NUDB&I)

The focus of the National Urban Data Bank and Indicators (NUDB&I) is to collate and analyze data for various key areas such as socio-economic development, land use, transportation, housing, infrastructure, environment and governance. The ULBs with the assistance of State Nodal Agencies would develop town level urban database for all 137 towns which will be linked to the spatial database generated under USIS. The spatial and attribute databases thus generated will be useful for preparation of Master/Development plans, detailed town planning schemes and serve as decision support for e-governance

Step-1: Standardized Town/ Ward Proforma for NUDB&I database.

Since there is heterogeneity in terms of data, definitions, concepts and terms, a comprehensive Town/ ward proforma has been prepared for collection of data for NUDB&I and the same has been circulated to all State Nodal Agencies and ULBs.

(Action TCPO)

i) Guidelines/ definitions for filling NUDB&I Town/Ward Proforma

It is essential to define the concepts and definitions of the terms used in the standardised proforma. Accordingly, guidelines/definitions of the terms used in the Proforma has been prepared and circulated.

ii) Database Structure for NUDBI data elements

Collected data elements should be presented in structured format to input attribute data so that it could be easily linked with USIS database at various levels. A database structure has been prepared for entering the data elements which is a part of NUIS Scheme Design and Standards document.

iii) Periodicity and Sources of Data

The periodicity of data collection cannot be same for all variables, for a number of reasons. It is essential to define the periodicity for different data

so as to achieve consistency and uniformity to determine the change in urban scenario.

(Action TCPO)

Step-2: NUDB&I Cell at State and NUO at Centre

A major objective of the NUIS is to establish a NUDB&I Cell in each State, which is also integrated with National Urban Databank And Indicators (NUDB&I) database for all towns within the State and linked NUO at the Centre.

(Action: SNAs/ ULBs)

Step-3: Release of Funds for NUDB&I Cell at State

The Central Government shall provide necessary financial assistance to the States and Union Territories to setup NUDB&I cell. As per the NUIS Scheme Guidelines, Rs.3.00 lakh for UTs/NE States and Rs. 6.00 lakh for other states for setting up of NUDB&I Cell for data generation and up-dation is provided. Rs. 1.00 lakh is allocated for NUO Towns. Of the total cost of NUDB&I, 25% is the State Share to be borne by the State Govt. and whenever the State share is made available, Centre will release 50% of its share as first installment.

(Action SNA/TCPO)

Step-4: Town level NUDB&I database for each town.

a. Collection of Information at Town level

A standardised Proforma for NUDB&I has been prepared and circulated. The distributed standard questionnaire to be used for collection of information at ward/town level for NUDB&I/NUO.

(Action SNA/ULB)

b. Inputting Data

The collected data should be entered in the computer as per the prescribed database structure and same data should be shared with SNAs and NUIS Scheme Headquarters.

(Action SNA/ULB)

3. FUND MANAGEMENT

Funding pattern under NUIS Scheme is on the basis of matching grant in the ratio of 75% Central share and 25% State Share.

Funds related to GIS database generation of 1:10000, 1:2000 scales and Utility Mapping at 1:1000 scale would be released by Ministry to the agency undertaking the job (SOI) in three instalments i.e. 50%, 40% and 10% of Central Share as first second and third instalment respectively. The balance 25% of the State share will be paid by the respective State Governments to the agency under taking the job (SOI)

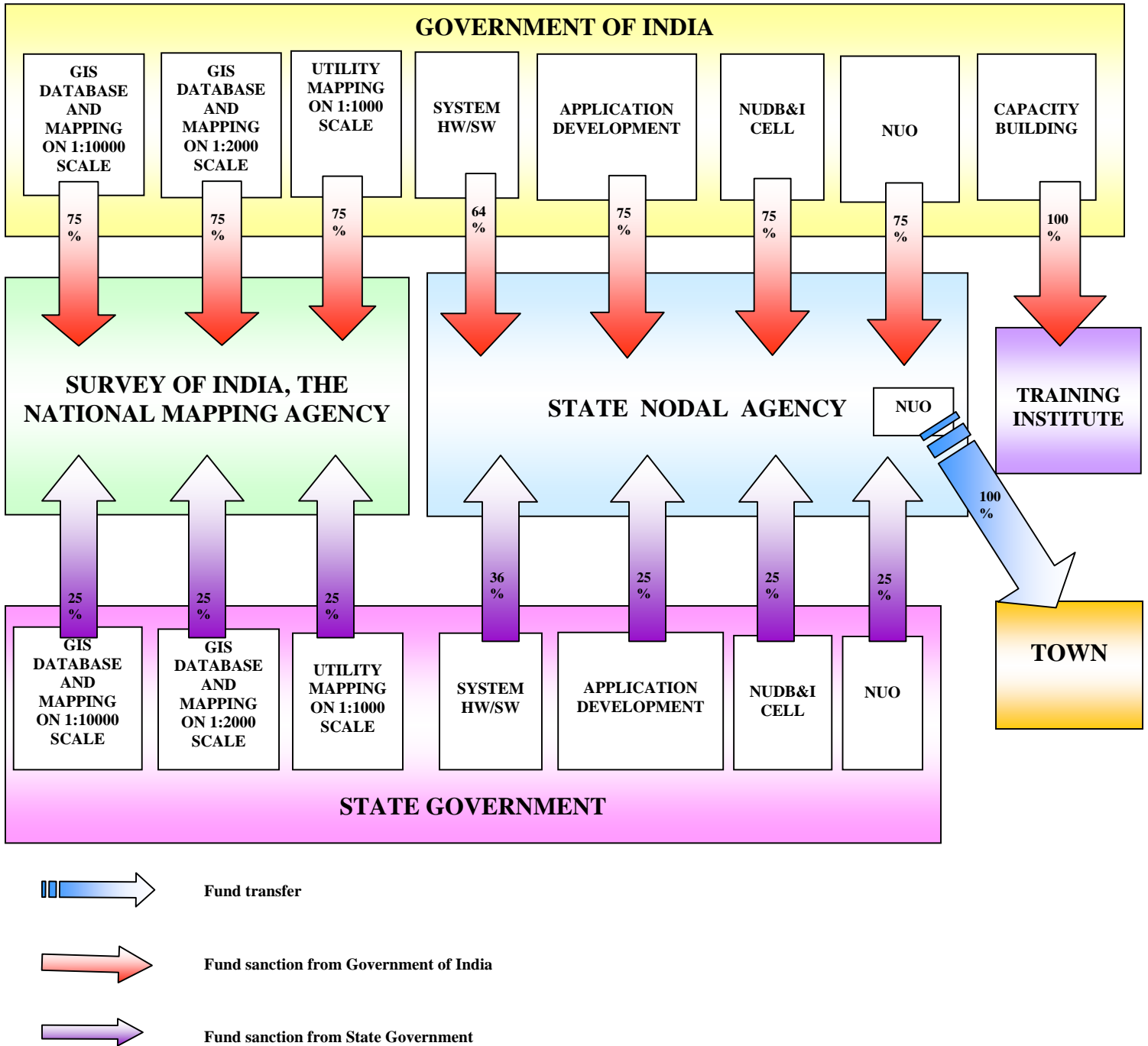
Funds under Capacity Building, Project Management and Miscellaneous expenditure, which are common cost components, shall be managed by the Ministry with a contribution of State share calculated on the basis of weightage adopted. Kindly refer Annexure-XVI of NUIS Scheme Guidelines.

As the expenditure of the common cost components is a lump sum estimate set aside with no defined pattern of expenditure in relation to amount and period, the State share of these components will be secured by the Centre by loading 25% of this cost upon one component *viz.* the Systems (HW/SW) component. Consequently the Central share of common components shall remain 100%, while the share of Systems component will change to 64% Central share and 36% State share. The total overall State share of NUIS components shall remain at 25%. Thus, financial contribution for System (HW/SW) component will be given to State Nodal Agency in the ratio of 64: 36 (Centre: State).

Funds for application development will be released by MOUD after identification of application development tools and derivative themes by TAC. The funds will be in the ratio of 75:25 (Centre: State)

Funds for NUID&I cell and NUO would be released by MOUD to SNA through State Government in the ratio of 75:25 after the recommendation of State Coordination Committee (SCC). The SNA will pass on the funds for NUO to Urban Local Bodies/ implementing agencies at town level.

Figure-1: Flow diagram for fund management under NUIS Scheme



4. MILESTONES FOR IMPLEMENTATION OF NUIS SCHEME

Sl. No.	Activity	Start date	End Date	Current Status
1	Formal launch of NUIS Scheme by MOUD <ul style="list-style-type: none"> • Signing of MOU 	March, 2004 13 th March, 2006	March, 2006	Completed
2	Preparatory Activities: <ul style="list-style-type: none"> • Selection of 137 towns • Finalisation of Management Structure • Establishment of NUIS Secretariat in TCPO 	September, 2004	March, 2006	Completed
3	NUIS Guidelines finalisation <ul style="list-style-type: none"> • Draft NUIS concept • Discussion in NUIS Workshops • Draft NUIS Guidelines • Final NUIS Guidelines • Approved by the Ministry of Urban Development • Uploading on website 	February, 2003	May, 2006	Completed
4	Finalisation of NUIS Scheme Design and Standards <ul style="list-style-type: none"> • Constitution of NUIS Standard Committee • Discussion in NUIS Workshops • Draft NUIS Standard • Revised • Finalisation of Design and Standards <ul style="list-style-type: none"> ○ Submission of USIS part by NRSA and SOI ○ Preparation of NUDB&I part by TCPO • Approval of Standards documents by TCC • Approval by MOUD • Circulation of Standards document to Towns/States 	December, 2005	June, 2006	Being approved by MOUD

Sl. No.	Activity	Start date	End Date	Current Status
5	Finalisation of MOU generation of GIS database and mapping on 1:10000, 1:2000 and 1:1000 scales <ul style="list-style-type: none"> • Draft MOU • Approval by Ministry of Law • Circulation to the contractual agency (SOI) • Modified as per objection and suggestion • Final MOU • Approved by MOUD • Signing of MOU between MOUD and SOI 	December, 2005	March, 2006	Completed
6	Town wise work Plan for generation of GIS database.	April, 2006 (one month from date of signing)		As per MOU yet to be submitted by SOI, NMA
7	Procurement of Systems (HW/SW) <ul style="list-style-type: none"> • Finalisation of configuration and by NUIS Technical Evaluation Committee (TEC) • Finalisation of Modalities for procurement by SNAs • Approved by TAC • Inform to SNAs for procurement • Procurement by SNAs 	March, 2006 March, 2006 May, 2006 July, 2006 July, 2006 July, 2006	September, 2006 May, 2006 July, 2006 July, 2006 July, 2006 September, 2006	
6	NUIS Database Generation <ul style="list-style-type: none"> • 1:10000 <ul style="list-style-type: none"> ○ Data capture ○ Image processing/Photogrammetry ○ Mapping ○ Value addition ○ Linking attribute data ○ GIS Data Base ○ Town updates • 1:2000 <ul style="list-style-type: none"> ○ Data capture ○ Image processing/Photogrammetry ○ Mapping 	March, 2006 March, 2006 June, 2006 August, 2006 October, 2006 December, 2006 February, 2007 April 2007 March, 2006 August, 2006 September, 2006	September, 2007* June, 2006 August, 2006 October, 2006 December, 2006 February, 2007 April 2007 July 2007 August, 2006 September, 2006 January, 2007	Town wise work plan for execution of scheme to be submitted by SOI, NMA. Schedules are as per MOU

Sl. No.	Activity	Start date	End Date	Current Status
	<ul style="list-style-type: none"> o Value addition o Linking attribute data o GIS Data Base o Town updates <ul style="list-style-type: none"> • 1:1000 <ul style="list-style-type: none"> o Utility Mapping for 24 Towns o GPR Survey o Mapping o GIS Data Base o Town updates 	January, 2007 March, 2007 May, 2007 June, 2007	March, 2007 May, 2007 June, 2007 September, 2007 March, 2006 May, 2007 May, 2007 August, 2007 November, 2007	
7	Applications Development <ul style="list-style-type: none"> • Constitution of application Development committee through TAC. o Identification of Application Development tools o Identification of agency to develop the tools. 	March, 2006	March, 2008	Action for Application Development will be initiated after the completion of USIS and NUDB&I components
8	Training and Capacity Building <ul style="list-style-type: none"> • Finalisation of Training Centres • Curriculum finalisation • Training to start (in batches) 	December, 2005 December, 2005 March, 2006 August, 2006	March 2008 March 2006 August 2006 March, 2008	
9	NUDB&I database development in 137 towns <ul style="list-style-type: none"> • Finalisation of NUDBI data sets • NUDBI database design • Creation of NUDB&I databases in 137 towns • Indices development as part of NUO (in 153 towns) 	March 2006	March 2008	Standard Proforma has been distributed to all the State Government and creation of NUDB&I database will depend upon the progress of generation of USIS database by SOI
10	Establishment of NUDB&I Cell at States	May, 2006	August, 2006	Progress as per approval of SCC of the respective

Sl. No.	Activity	Start date	End Date	Current Status
				States
11	Operationalisation of NUO at TCPO	March 2006	August, 2006	
12	Delivery of NUIS to States	From March, 2007 onwards in phases up to March, 2008		
13	Reviews and Monitoring Meetings <ul style="list-style-type: none"> • NNMRS SC-U review • SC-U -TCC review • Scheme Review by TAC • Regional Workshops • National Conference 	February, 2006, February 2007 and February, 2008 As an when required August 2006, November 2006, February 2007, May, 2007, August 2007, November 2007, February 2008 July 2006, January 2007, April 2007, September 2007, January 2008 June 2006 and November 2007		
	<ul style="list-style-type: none"> • Proposal for NUIS Phase-II. <ul style="list-style-type: none"> ○ Selection of towns ○ Communication to the State for finalisation ○ Identification of areas • Approved by MOUD • Award of contract 	November 2007 November 2007 January 2008 February 2008 March 2008	November 2007 January 2008 February 2008 March 2008 April 2008	

* **The schedules are tentative and subjected to clearance from Ministry of Defence for Aerial Photography, release of State Share, identification of areas for mapping by State Government and generation of GIS database on 1:10000, 1:2000 and 1:1000 scales by SOI, NMA.**

AT A GLANCE

INITIATIVES

CENTRE

- NUIS Guidelines
- Memorandum of Understanding
- Convening Technical Advisory Committee (TAC) meeting
- NUIS Design & Standards
- Identification of Nodal Agency at Centre
- Establishment of NUIS Cell at Centre

STATE

- Establish State Nodal Agency
- Constitution of State Coordination Committee (SCC)
- Establishment OF NUIS Cell with USIS Unit and NUDB&I Unit

TOWN

- Identification of Nodal Officer at Town Level

USIS COMPONENTS

CENTRE

- Finalization of configuration HW/SW
- Convening Application Development Committee under TAC
- Capacity Building
 - Co-ordination with training institutes
 - Finalization of course content
 - Finalization of training schedules
 - Allotment of training institute to the participants

SOI, NMA

- Preparation of town wise work plan document.
- Generation of GIS database on 1:10000, 1: 2000 and 1:1000 scales.
- Imparting training to state/ town level officers and officials on USIS and NUDB&I database

STATE/TOWN

- Identification of 137 town areas to be mapped for all the three scales.
- Capacity Building
 - Identification of persons to be trained.
- Release of State Share to SOI, NMA for undertaking jobs of generation of GIS database.
- Updation, utilization and storage of USIS data

NUDB&I COMPONENTS

CENTRE

- Preparation of Standardized NUDB&I Proforma
- Preparation of Proforma's Guidelines
- Preparation of data structure for NUDB&I data elements
- Establishment of NUO at Centre
- Organizing National level workshop

STATE

- Establishment of NUDB&I Cell
- Develop town level NUDB&I data for each town
- Compilation of town level data and submit to the Centre.
- Forward NUO report to the Centre after verification and correction.
- Organizing Regional Workshops

TOWN

- Collection of Information as per NUDB&I Proforma
- Integration of USIS data with NUDB&I data.
- Preparation of NUO report and submit to the State Government.
- Update periodic data of NUDB&I