SVAMITVA SCHEME

An integrated property validation solution with Survey and Mapping, for rural India

Ministry of Panchayati Raj
Government of India

NIC एनआईसी
National Informatics Centre

State Department

- Chuna marking
- Maps received back from the state
- Maps provided for inquiry
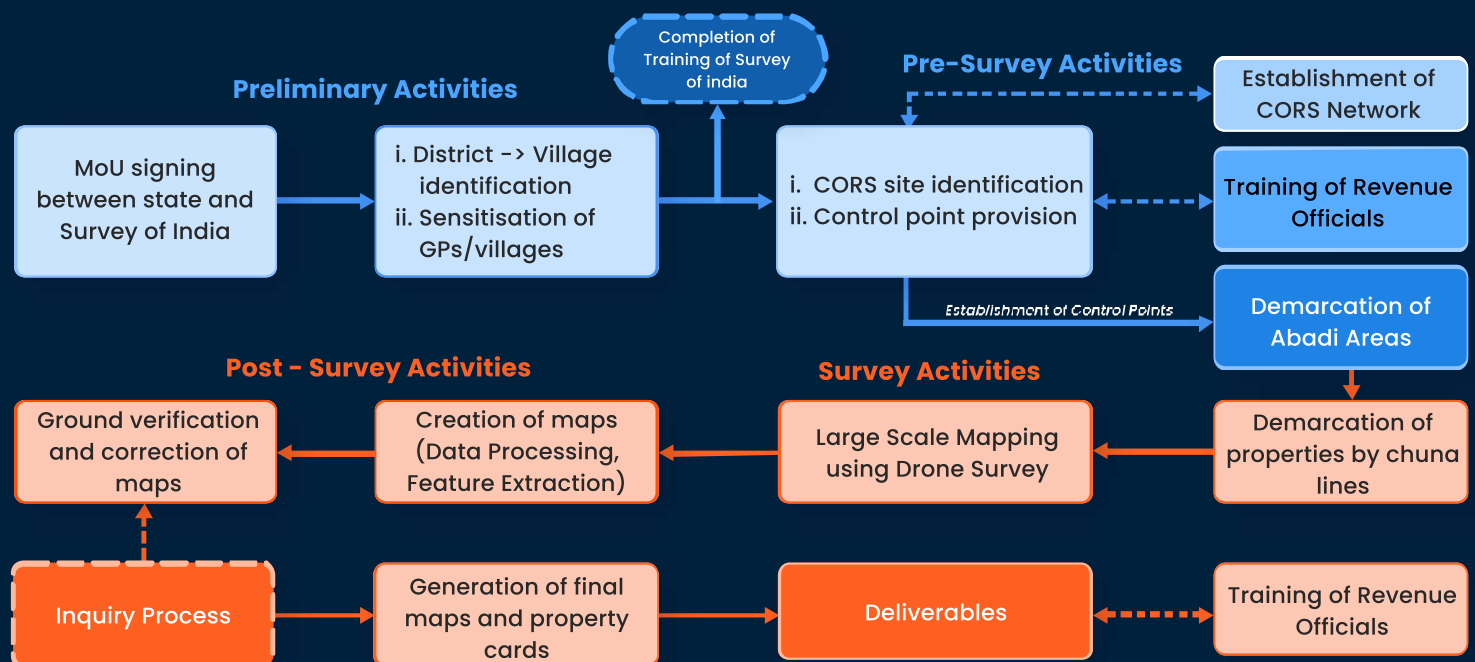- Property cards prepared and distributed

KPIs

Survey of India
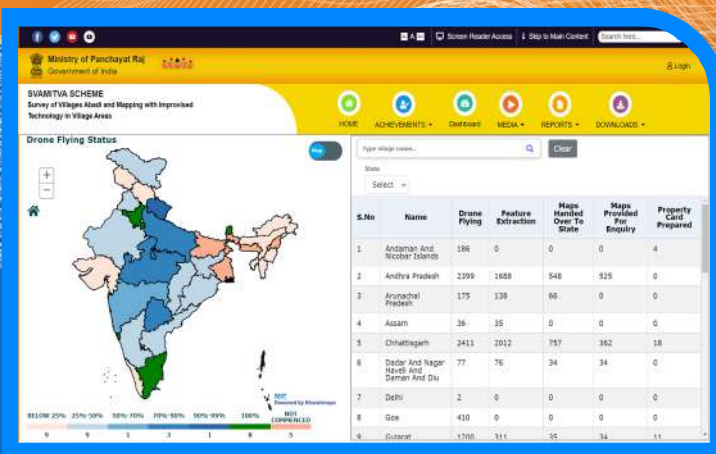
- Drone flying
- Feature extraction
- Maps handed over to state

- Real-time monitoring and reporting tool to track the progress of Scheme at different levels with flexibility to be adopted by states

- Auto-fetching of Survey data related activities from Survey of India system and integration of Property Cards data with state systems

- Provides ease of monitoring for all SVAMITVA related activities

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Preliminary Activities

MoU signing between state and Survey of India →

i. District -> Village identification
ii. Sensitisation of GPs/villages →

Completion of Training of Survey of india

Pre-Survey Activities

i. CORS site identification
ii. Control point provision

→ Establishment of CORS Network

Training of Revenue Officials

Establishment of Control Points →

Demarcation of Abadi Areas

Post - Survey Activities

Ground verification and correction of maps ←

Creation of maps (Data Processing, Feature Extraction) ←

Survey Activities

Large Scale Mapping using Drone Survey ←

Demarcation of properties by chuna lines

Inquiry Process →

Generation of final maps and property cards →

Deliverables →

Training of Revenue Officials

Architecture Framework

A - Service Oriented Architecture powered by Bharat Maps Administrative Spatial Layers

B – Drone Data Integration covered Under SVAMITVA Scheme

Stakeholders

- Ministry of Panchayati Raj, Govt. of India (Nodal Ministry)
- Survey of India (Technology Implementation Agency)
- State Revenue Departments
- State Panchayati Raj Departments
- Local District Authorities
- Property Owners

Stakeholders

- Gram Panchayats (GP)
- National Informatics Centre (NIC) – Geo-Spatial Technology & Services Division
- Other line departments having assets in Rural inhabited areas (if any) for preparing comprehensive database

Technology Stack

A – Java
B – Spring MVC, Hibernate
C - Apache Tomcat®
D – Postgres Database

Target Users

- Ministry of Panchayati Raj
- All Central Ministries
- All Gram Panchayats
- State, District, Block Level Officials for Planning Purposes
- Citizens