

Welcome

GIS based Master Plans in Andhra Pradesh - Status



Directorate of Town and Country Planning
Government of Andhra Pradesh



Snapshot of GIS based Master Plan

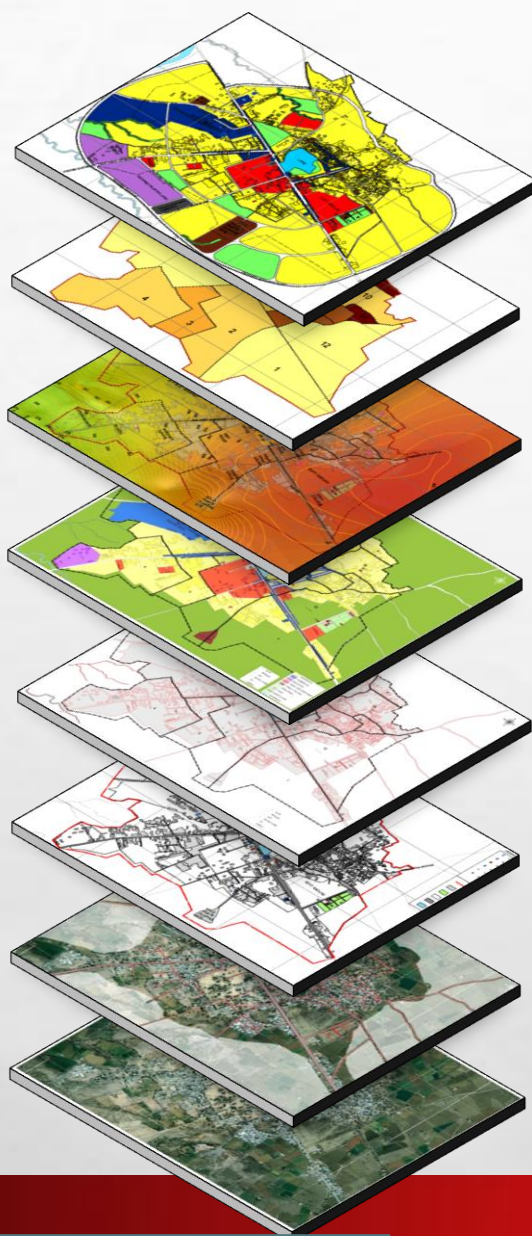
❖ Base maps (attribute data) for all ULBs in available with the department with 100 layers as per AMRUT guidelines

- GIS BASED MASTER PLANS INITIATED - 110 ULBs
- GIS BASED MASTER PLANS (Finalized) – 3 ULBs
- GIS BASED DRAFT MASTER PLANS – 8 ULBs
- GIS BASED PERSPECTIVE MASTER PLANS – 20 ULBs
- GIS BASED DRAFT MASTER PLANS(UNDER PROGRESS) - 79 ULBs

GIS based Master Plan preparation - Advantages

- To analyse the urban growth and its direction of expansion.
- To have an exact Base map as on ground.
- To generate thematic maps for understanding different issues related to different parameters.
- Provide the platform to have a masterplan base that can be revised & amended easily with the passage of time & to understand the extent of development achieved as envisaged in the Master Plan at intermediate stage.
- To identify the sites suitable for the future growth and development.

STEP BY STEP PROCEDURE IN MASTER PLAN PREPARATION



Proposal Maps

Analysis & Overlays

Thematic Maps

Existing Land Use Map

Linking Data

Base Map

Cadastral Map superimposition

Satellite Imagery

Base Map preparation

Field/Ground Truthing

Stakeholder meeting

Existing Land Use Map
Preparation

Land use Proposals

Preliminary Draft Master Plan
with Regulations

Stakeholder meeting

Draft GIS based Master Plans
with Regulations.

Draft notification

Submission of Draft Master
Plan with Report to Govt

Preparation of Draft GIS based
Master Plan

Draft notification



Currently GIS Usage in DTCP Office

- To strengthen the staff in GIS Platform the concerned TP staff are sent for training programs sponsored under various schemes of State and Central Government at IIRS, Dehradun, North-East Space Application Center (NESAC), Shillong, NRSC, Hyderabad, New Delhi, Gandhinagar etc.
- Scrutiny of Master Plans prepared for ULBs & UDAs submitted by Consultants
- T&CP, A.P has taken up In house basis for development of GIS based Master Plan preparation for 13 Rurban Clusters in Andhra Pradesh.
- **Achievement - In the Span of two weeks with the available staff the department has successfully completed preparation of existing base map for 5 Rurban Clusters in GIS Platform.**

How GIS Platform will be developed in DTCP Office

- All the Master Plans prepared in GIS shall be linked to the DPMS for effective integration and management of spatial data.
- Logins will be provided to the Line department for integration of all Geo Tagged information of their assets and projects which helps to develop the existing usage for entire Andhra Pradesh and helps to focus on future spatial development

DPMS -SOLUTION FEATURES

- ❖ PROVIDES INSTANT, **DIGITAL DEVELOPMENT PERMISSIONS** AT ALL 110 ULBS, CRDA AND UDAS COVERING
 - *BUILDING PERMISSIONS (RESIDENTIAL, COMMERCIAL, INDUSTRIAL, HIGH-RISE, GROUP HOUSING, SPECIAL BUILDINGS ETC)*
 - *LAYOUT PERMISSIONS*
- ❖ ENGAGES LTPS TO SUBMIT COMMON APPLICATION FORM FOR BUILDING PERMITS AND EXTERNAL NOCS FOR “**ANYWHERE, ANYTIME**” ACCESS.
- ❖ AUTOMATES THE ANALYSIS OF CAD DRAWINGS, GENERATES A SCRUTINY REPORT IN A FEW MINUTES AND INSTANTLY GENERATED FEE/CHARGES AS PER DC RULES.
- ❖ FACILITATES **DIGITAL PAYMENTS** – NET BANKING, CREDIT/DEBIT CARDS/ NEFT, RTGS
- ❖ APPLICANTS ARE CONTINUOUSLY NOTIFIED WITH **SMS/EMAIL ALERTS** VIS-A-VIS THEIR APPLICATION STATUS.
- ❖ **DOWNLOAD** OF APPROVED PLAN AND LETTERS FROM PORTAL
- ❖ ENFORCES AUTHORIZED CONSTRUCTIONS THROUGH POST-VERIFICATION
- ❖ **OCCUPANCY CERTIFICATE** FOR COMPLETED CONSTRUCTIONS

SOLUTION FEATURES - INTEGRATIONS

- 1. DTCP/RDTP AND ALL UDA (9) OFFICES FOR ONLINE APPROVALS**
 - 2. PROPERTY TAX/VLT APPLICATIONS TO CONTROL REVENUE LEAKAGES**
 - 3. PURA SEVA MOBILE APP TO VIEW BUILDING PERMISSION DETAILS**
 - 4. SINGLE DESK PORTAL FOR PROCESSING INDUSTRIAL APPLICATIONS**
 - 5. CFMS – ONLINE FEE PAYMENT (NET BANKING, CREDIT/DEBIT CARDS) AND AUTOMATIC FUND TRANSFERS TO RESPECTIVE DEPTS.**
 - 6. FIRE SERVICES – ONLINE NOC**
 - 7. AIRPORT AUTHORITY OF INDIA – ONLINE NOC**
 - 8. E-PRAGATHI – ACCESSING BUILDING PERMISSION SERVICES THROUGH “ONE PORTAL”**
 - 9. RERA – SHARING BUILDING PERMISSION DETAILS FOR RERA REGISTRATION**
 - 10. NMA – FOR ONLINE NOC (IN PROGRESS)**
- ❖ **REQUEST TRACKING SYSTEM (RTS) FOR DPMS ISSUES**
 - ❖ **COMPLIANT WITH EODB PARAMETERS AS MANDATED BY WORLD BANK**

DPMS- Architecture



Meeseva centres

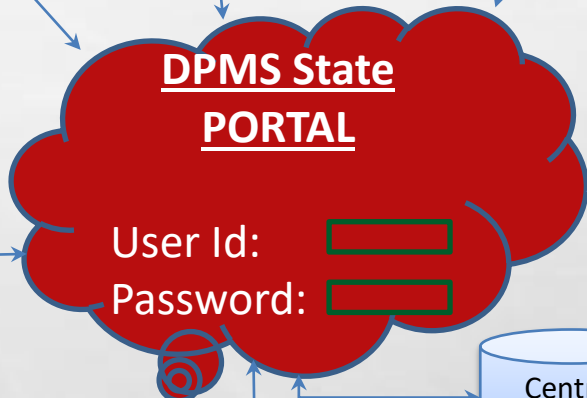
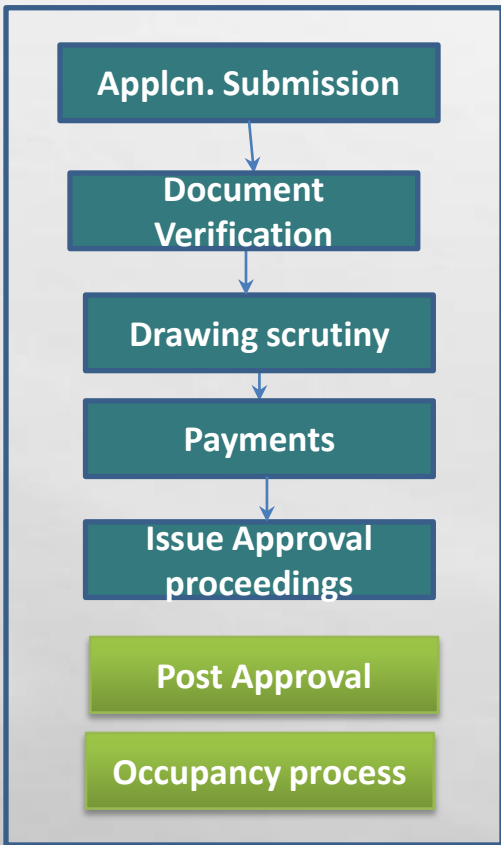


Online

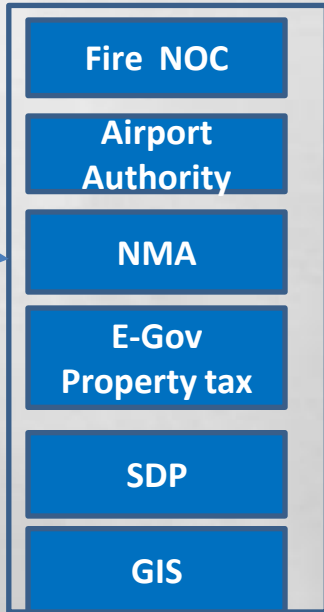


All Municipal Corporations & ULBS , CRDA & UDAs

Automated Work flow



INTEGRATIONS

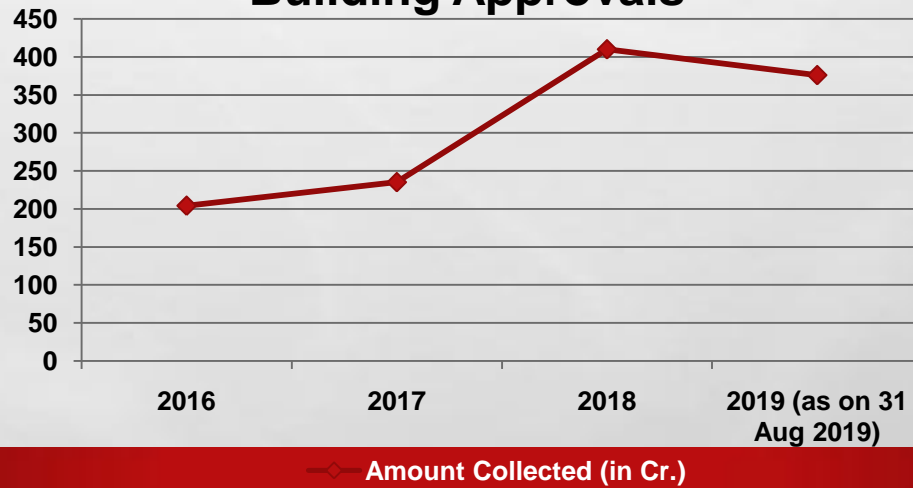


STATUS OF APPROVALS

(2016 Jan To Till Date)

	Number
Buildings	1,11,366
Layouts	412
Industrial buildings	345

Building Approvals

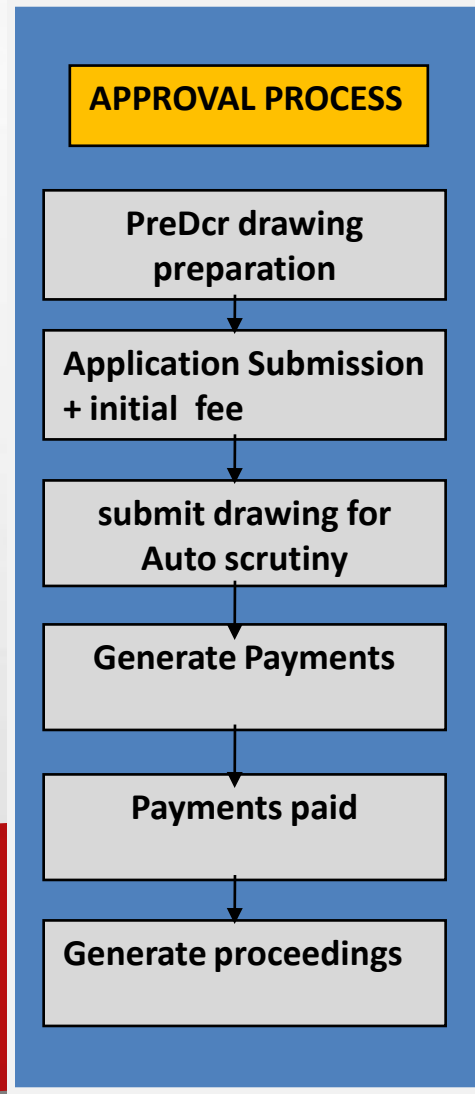


—◆— Amount Collected (in Cr.)

ACTION PLAN

- GIS based Master Plans will be ready for usage and implementation for all ULBs in the State
- In addition to this, Clusters in Master Plans for 13 Rurban will be ready by Dec. 2019

DPMS: Building/Layout Permission system



Way forward

- Integration of GIS based base maps and Master Plans with
 - Development Permissions Management System
 - Works Module
 - Property Tax
 - Asset Management and so on..

THANK YOU