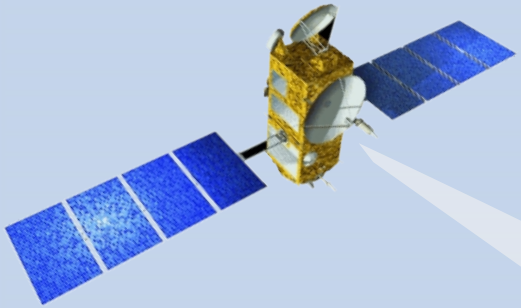
STATUS OF GIS BASED PROJECT IMPLEMENTATION AT JSAC

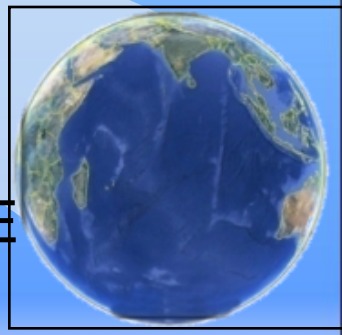


Two days Thematic Workshop on

Use of GIS in informed Planning and Decision Making

Sarvesh Singhal, IFS
Director, JSAC

JHARKHAND SPACE APPLICATIONS CENTRE



INTRODUCTION

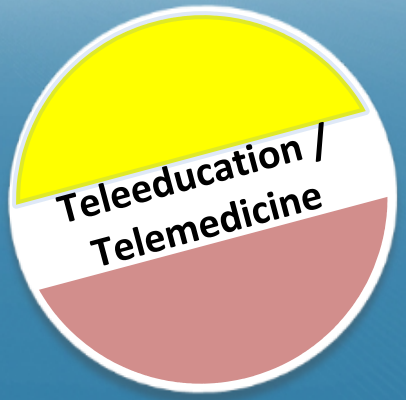
JSAC is working in the field of ...

Data Base Generation

Surveying

Application Development

SATCOM Based Projects



Details of Important Ongoing Projects

Project in Implementation

Digitization & Georeferencing of Village Cadastral/Revenue Maps under NLRMP

Implementation Stage

- ✓ Out of 34798 available Cadastral sheets, 33106 sheets have been digitized
- ✓ 20296 cadastral sheets have been made available on line to the public.

GIS Planning

Database will be used in Mutation and online registration process developed by NIC

Support Required

Remaining cadastral sheets are requiered to be transferred from Govt. of Bihar

Project in Implementation

Jharkhand Forest Management Information System (JFMIS), Dept. of Forest, Environment & Climate Change, Govt. of Jharkhand

Implementation Stage

- ✓ Digitization of 22,800 Forest Cadastral maps of Jharkhand
- ✓ Web-based GIS Application developed and facilitated with all basic GIS tools, in-built and customized queries, output generation etc.

GIS Planning

Database is uploaded on GIS Portal of Govt. Of Jharkhand

Support Required

No

Project in Implementation

GIS Mapping of Government Health Facilities through GPS and Primary Health Facility Survey of Jharkhand State

Implementation Stage

- ✓ GIS Mapping of all Government Health Facilities - PHC, PHSC, CHC, DH & SDH
- ✓ Collection of infrastructure facilities, available manpower, diseases to be treated, availability of medicine etc.

GIS Planning

Database will be uploaded on GIS Portal of Govt. of Jharkhand

Support Required

No

Project in Implementation

Watershed Management Information System for Jharkhand Rural Development (WMIS-JRD)

Implementation Stage

1. The work of all the 57 projects out of 75 (693 Microwatersheds) IWMP sanctioned projects under Batch-1, 2 and 3 is completed and submitted to JSWM-SLNA.
2. All the GIS resources information's generated are made available through web based GIS application - **Watershed GIS**

GIS Planning

Database is uploaded on GIS Portal of Govt. of Jharkhand

Support Required

No

Project in Implementation

Jharkhand State Spatial Data Infrastructure (JSSDI)

Implementation Stage

- ✓ The geodatabase at 1:50,000 scale is ready to host on the geoportal after required customization
- ✓ NSDI guideline compliance is in progress.

GIS Planning

Database will be hosted on dedicated GIS portal and integrated with the database of different Govt. Line Department of Jharkhand

Support Required

No

Project in Implementation

Generation of Basic Thematic Layers on 1:2000 scale for 10 cities of Jharkhand using QuickBird / WorldView Data

Implementation Stage

- ✓ Interpretation and layer generation work is completed.
- ✓ Ground truth/Field verification is in progress

GIS Planning

Database will be used in preparation of Master Plan and City Development Plan

Support Required

No

Project in Implementation

GIS Mapping of Polling Station and Development of Mobile Apps and Web-based GIS Application for Data Collection

Implementation Stage

- ✓ Mapping of Polling Stations based on available GIS layer of schools are in progress.

GIS Planning

After completion of database, a web-based GIS application will be developed for Election (Cabinet) Department, Govt. of Jharkhand as per guidelines of Election Commission of India.

Support Required

No

Project in Implementation

Jharkhand Crop Information System (JCIS)

Implementation Stage

- ✓ Rabi, Kharif and Zaid seasons interpretation of crop acreage has been completed for the year 2016.

GIS Planning

- ✓ Mobile application namely "e-Kisan" for the field data collection has been developed
- ✓ WebGIS application namely "Jharkhand Agriculture Information System" is being developed

Support Required

No

NOTE