



Department of Electronics and Information Technology
Ministry of Communications and Information Technology
Government of India



Digital India

Workshop on Geo-Informatics

by **West Bengal SeMT**

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Progress of West Bengal in Implementing GIS based Decision Support Systems (DSS)

Sl. No	Name of the Owning State Department	Name of the Implementing Agency	Implementation Area <e.g. Agriculture, Natural Disaster, Forest, Aviation, Mining, Infra., Health etc.)	Status
1	Joint programme of Development & Planning Dept, GoWB and Dept of Science & Technology, Gol	Development & Planning Department, GoWB	Natural Resources Data Management System (NRDMS) – Land and Water management, Groundwater management	NRDMS Centres operational in the State (District level)
2	Joint programme of Dept of Science & Technology and Dept of Development & Planning , GoWB and Dept of Science & Technology , Gol	Dept of Science & Technology , GoWB	West Bengal State Spatial Data Infrastructure (WBSSDI) – A web based Geo-spatial Data Directory for the State to allow Departments to share and explore information for GIS based planning and decision making	WIP (pre-implementation phase. Technical Expert Committee (TEC) formed for preparation and floating of RFP for selection of System Integrator)

West Bengal: GIS Implementation Stage

- State Spatial Data Infrastructure (SSDI) project intends to develop an operational scale Geo-portal, which will also integrate other GIS apps and infrastructure such as NRDMS Data Centers as well as District and Block nodes of SSDI
- Indicative scope of work for SSDI has been prescribed by Dept of Science & Technology, GoI. Dept of Science & Technology, GoWB is the nodal department in the State
- A member from SeMT is part of Technical Expert Committee (TEC) for SSDI. SSDI committee was earlier headed by former SeMT Head (Late Dr. Subir Roy)
- RFP preparation and finalization is under progress

West Bengal: Envisaged features of State Spatial Data Infrastructure (SSDI)

- Web-based Geo-portal to allow various Departments to provide and consume spatial and non-spatial information together at one single place for better planning
- Spatial datasets generated, maintained and provided by concerned Departments of the State Government and academia are proposed to be made accessible through Geo-portal
- Gateway for various data generating agencies to share the information for decision support and local level planning
- Future commercialization and State revenue generation through data sale and purchase

GIS Plans / Goals of the State

Implementation of GIS Based decision support system in line with a standardized GIS framework with following key features:

- Integration and sourcing of GIS data from various sources like NSDI, Bhuvan, Google and other private sources
- Mobile devices compatible
- Integrated analytics feature for both Spatial and Non-spatial data
- Online editing and access of GIS data by authorized users/ Departments

Support Desired from DeitY

- Support on GIS framework/ standardization
- Support on replication/ adoption/ customization of national level GIS applications and convergence with State initiatives like SSDI
- Proof of Concept Studies
- Capacity building w.r.t. GIS
- Close coordination between National Centre of Geo Informatics (NCoG) of DeitY, GoI and State agencies

Thank You