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

Digital India
Power To Empower

Digital India

Workshop on Geo-Informatics

by **Gujarat SeMT**
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Progress of Gujarat in Implementing GIS based DSS

Sl. No	Name of the Owning State Department	Name of the Implementing Agency	Implementation Area
1	**Agriculture and Co-operation Department:**	• Directorate of Agriculture • Directorate of Horticulture • Directorate of Animal Husbandry • GujaratState Land Development Corporation (GSLDC)	Agriculture, Horticulture and Animal Husbandry
2	**Education Department:**	• Commissionerate of Higher Education • Technical Education • Knowledge Consortium Of Gujarat (KCG) • Directorate of Primary Education	Primary, Higher nd Technical Education
3	**Energy and Petrochemicals Department**	• Uttar Gujarat Vij Company Limited • Directorate of Petroleum(DOP) • Gujarat Power Corporation Limited • Gujarat Energy & Transmission Company	Power & Petroleum
4	**Food and Civil Supplies Department**	• Gujarat State Civil Supplies Corporation Ltd.	Civil Supplies

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5	**Forests and Environment Department**	• Offices of Principal Conservator of Forests • Gujarat Pollution Control Board(GPCB) • Gujarat Ecology Commission(GEC) • Gujarat Ecological & Environment Research Foundation • Gujarat Environment Management Institute (GEMI)	Environment & Ecology
6	**General Administration Department**	• Bureau of Statistics and Economics • State Election Commission • Sardar Patel Institute of Public Administration	Statistics, Economic and Electoral
7	**Home Department**	• Office of DGP • Commissionerate of Police, Ahmedabad • State Crime Bureau • Raksha Shakti University(RSU) • Gujarat Forensic Science University	Crime Investigation, Forensic Sciences
8	**Health and Family Welfare**	• Commissionerate of Health • Rural Health Mission	Rural Healthcare

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9	**Industries and Mines Department**	• Commissionerate of Geology and Mining • Industrial Extension Bureau (IndextB) • Gujarat Infrastructure Development Board (GIDB) • Gujarat Industrial Development Corporation (GIDC) • Gujarat Mineral Development Corporation (GMDC) • Commissionerate, Cottage Industries & Handicrafts Industries. • Gujarat Tourism Development Corporation (GTDC)	Industrial Development, Rural Industries, Tourism Geology and Mining
10	**Labour &Empl. Dept.**	• Industrial Technical Institutes	ITI
11	**Panchayats, Rural Housing Development & Rural Development Department**	• Commissionerate of Rural Development • Gujarat State Watershed Management Agency(GSWMA)	Rural Development, Watershed Management
12	**Ports and Transportation Department**	• Gujarat Maritime Board(GMB) • Gujarat State Road & Transport Corporation (GSRTC)	Ports, Roads and Transports

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13	**Narmada, Water Resources, Water Supply and Kalpasar Department**	• Gujarat Water Resources Development Corporation Ltd. • Gujarat Water Supply & Sewerage Board (GWSSB) • Gujarat State Water Data Centre • Gujarat Engineering Research Institute (GERI) • Sardar Sarovar Narmada Nigam Limited (SSNNL) • Water Sanitation and Management Organization(WASMO) • Gujarat Jalseva Training Institute(GJTI) • Gujarat Water Infrastructure Limited(GWIL) • Kalpasar Department • Central Designs Organization(CDO) • Salinity Ingress Prevention Circle • Water Resources Investigation Circle • Water Resources Department • Panchayat Irrigation Circles	Water Storage & Distribution, Water Sanitation and Management,

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14	**Roads and Buildings Department**	• State Department • Panchayat Department	State, District, Taluka & Village Roads
15	**Revenue Department**	• Commissionerate of Relief • Stamp Duty & Valuation Department • Settlement Commissionerate & Landrecord • Gujarat State Disaster Management Authority(GSDMA) • Gujarat Institute of Disaster Management (GIDM)	Land Records, Disaster Management
16	**Science and Technology Department**	• Gujarat Council of Science City • Gujarat Council on Science & Technology (GUJCOST) • Gujarat State Biotechnology Mission(GSBTM) • Gujarat Informatics Limited(GIL)	Science & Technology Infrastructure
17	**Sports, Youth and Cultural Activities Department**	• Directorate of Archeology	Sports and cultural events and activities

Gujarat GIS Implementation Stage

- Government of Gujarat has set up Bhaskaracharya Institute for Space Applications and Geo-Informatics (BISAG) under Department of Science & Technology as a nodal agency for Development and implementation of GIS Applications.

- An open source and in-house framework for development and implementation of GIS application and database has been developed.

- A multipurpose, standardized, common, authenticated GIS database has been created and the same is being used by almost all State Government Departments.

- SeMT is coordinating with Departments in GIS-based project implementation and NIC is collaborating with BISAG for development of GIS-based applications in various sectors.

GIS Plans / Goals of the State (Proposed)

- Development of GIS-based Decision Support System for all e-Governance projects wherever necessary

- Promotion of use of GIS across all the Departments / Boards / Organizations

- Identification and development of location-based mobile services using GIS platform

- Formation of State-Level GIS Cell for implementation and monitoring of GIS -based applications

- Department-centric seminars focusing on use of GIS in prospective areas

Support Desired from DeitY

- In Gujarat, most of the Departments have developed GIS based applications covering high-priority areas. Still there is a good scope for use of GIS in many more application areas for better Decision Support and Future Planning.

- Support for enhancement and further development of GIS applications is desirable from Deity

Thank You