

Telangana State Remote sensing Applications centre

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TRAC's THRIVE

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Thought for the month: "Without ambition one starts nothing. Without work one finishes nothing the prize will not be sent to you. You have to win it." - Ralph Waldo Emerson

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- Development and planning around MUSI at TRAC
- Distribution of Certificates to the Participants of 16th IIRS training programme

Kudos to best performers

Appreciations to participants of 16th IIRS Outreach Programme on "Geospatial Technologies for Urban Planning"

Recent Workshop attended Use of GIS in Informed Planning & Decision Making

Digital India programme is a flagship programme of Government of India with a vision to transform India into a digitally empowered society and knowledge economy. Its vision areas are centred on 'Digital Infrastructure as a Utility to Every Citizen', 'Governance & Services on Demand' and 'Digital Empowerment of Citizens'. GIS is a technology to geo-enable e-governance, to undertake efficient planning & decision making as part of 'e-Kranti – Electronic delivery of services' and 'Information for All' and to facilitate location based 'Information for All'. Geo-informatics is integral to Planning, Decision Making & Electronic Delivery of Services. It geo-enables e-Governance to facilitate location based information for all. Thus, implementation of GIS based Decision Support Systems (DSS) is essential for ushering 'Good Governance' as it facilitates transparency, responsiveness, efficiency & effectiveness, accountability and participation across Government.

The objective of the workshop was to share the details of GIS platform developed by NCoG and understand the requirements of the participants on GIS based DSS:

- National GIS platform- capabilities and usage
- Multi-purpose 2D/3D/4D, standardized, authenticated, common field level Geo-spatial databases
- NSDI and GIS Data Standards & Policies
- Integration, Analysis, Management of Spatial Data. Applications of GIS in Projects.
- Syntactic and semantic approach for Geo Information Management
- Use of Remote Sensing and Geo Spatial Technology for Planning and Development
- Showcase various innovative/best practices on use of GIS technologies in various Sectors/States and assess the replicability in different States to enhance the service delivery system

Telangana- has prepared GIS based applications for Panchayati Raj, Planning Department, Irrigation Department, CCLA, TSIC, Disaster Management, Agriculture and Ground Water Management Departments. These applications are yet to be integrated suitably. The State govt. has taken up development of smart city monitoring system for city planning, building approvals using satellite maps, on-field tracking of works, implementation of schemes and GIS based planning for government schemes, e.g. water grid, fibre grid etc. and asset mapping for effective decentralized planning.

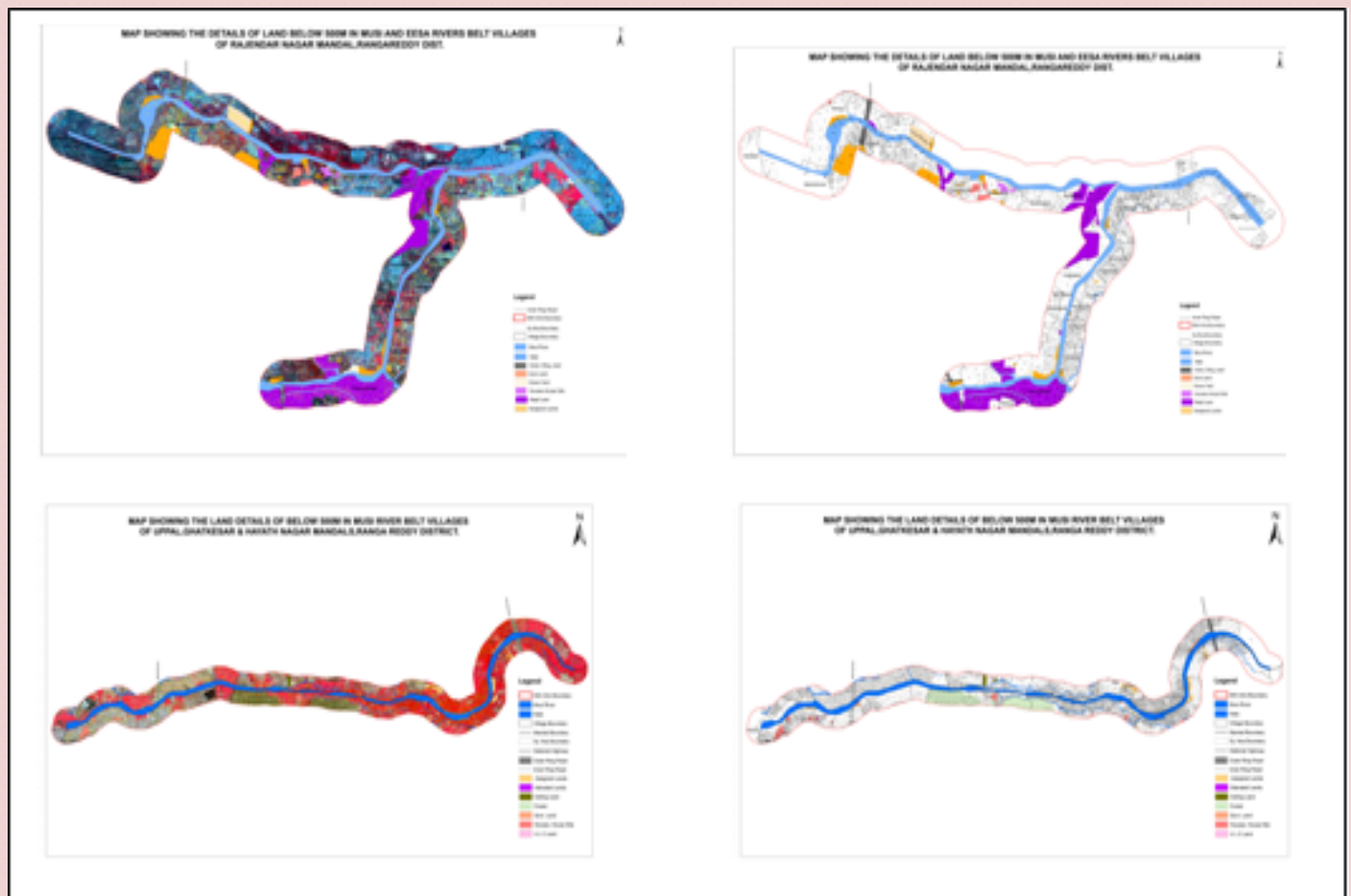


Mr J.Kiran giving presentation about TRAC GIS based applications at "Use of GIS in Informed Planning & Decision Making" 29th-30th March, India Habitat Centre, New Delhi

Development around Musi River is planned by the Telangana Govt.,

Development around Musi river is planned by the Telangana Govt., Where TRAC has its hands in the regard. Surface water is a major source of irrigation. It accounted about 22 percent of the entire irrigated area in the state during 2013-14. Tanks and ponds are an essential feature of Telangana, especially in the rural areas.

TRAC has been working on development of Tank Information System (TIS) and Tank Reliant Irrigated Area Development (TRAID) Project for me&CAD department, Government of Telangana, with an intention to delineate the Tanks in the state and develop an information system with the help of a web application designing a relational database specifying area and location details. This application helps in not only displaying the tanks of the state but also projects all the required information related to each tank based on various query options along with reporting facility. Each tank is geo-tagged with a unique identification number. There are about 46,531 irrigated tanks in the state as per I&CAD records. The irrigated area covered under the tanks is about 2.3 Lakh hectares, which is about 10% of the gross area irrigated during 2013-14.



Map showing the details of Land below 500m in Musi and Eesa rivers Belt villages of Rajendar Nagar Mandal Rangareddy Dist.

Distribution of Certificates to the Participants of 16th IIRS outreach training programme by Director Admin, Director Technical(left) and Principal Scientist(right)

