

Telangana State Remote sensing Applications centre

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CATALYST *for*

TRAC's THRIVE

A monthly e-magazine

Thought for the month: The highest reward for man's toil is not what he gets for it, but what he becomes by it" — John Ruskin.

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Kudos to best performers

Appreciations to Mr Prakash and Mr Ashwin for attending various conferences this month and successfully presenting papers at IGF and NIRD

Recent Conferences Attended Geo Smart India and Geo Intelligence Asia 2016.

Geo spatial Media and communications has conducted Geo-smart India 2016 and Geo intelligence Asia conference from 1-3rd March, 2016 at India Expo Centre & Mart-Greater Noida, New Delhi. Considering "Smart" cities, digital infrastructure various other program and projects, overall critical value of geospatial information in the momentum, the conference is named as Geo Smart India.

To make appropriate utilization of technology including space and geospatial information, National programmes for transport infrastructure, industrial corridors, smart cities, water resources, agriculture, home land security and how Geo-Spatial Information infrastructure will be essential and critical component for its transformation towards digital India were the areas significantly focussed.

Mr Prakash, Mr Ashwin and Mr Harish has participated in the program representing TRAC. Stall exhibiting the projects carried out at TRAC was displayed in the exhibition. Mr Prakash and Mr. Ashwin from Geosciences division have presented

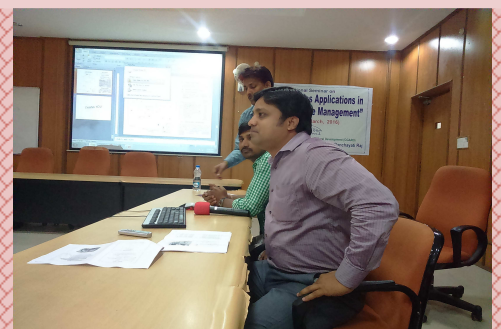
a paper on "Space Technology and Geospatial information in decision support for Digital Telangana" in the conference.

News Bulletin.

- TRAC has participated in Geo-smart India 2016 conference at Noida.
- 20 members presented their papers at NIRD conference.
- Six members from TRAC attended conference on "Ground water perspective and holistic management in Telangana and Andhra Pradesh states".
- TRAC website is being developed and will be ready to launch in April 2016.
- Team from Irrigation department is working with Geomatics division for updated village wise cadastral maps
- Capacity Building division has successfully completed conducting online exam for 22 candidates attending 16th IIRS outreach program.



Mr Prakash and Mr Ashwin Received Appreciation from Geo smart India 2016 Organisers and TRAC Stall



Mr Ashwin and Mr Ramesh.J giving seminar at National Seminar on Geo Informatics Applications in Natural Resources Mangement.

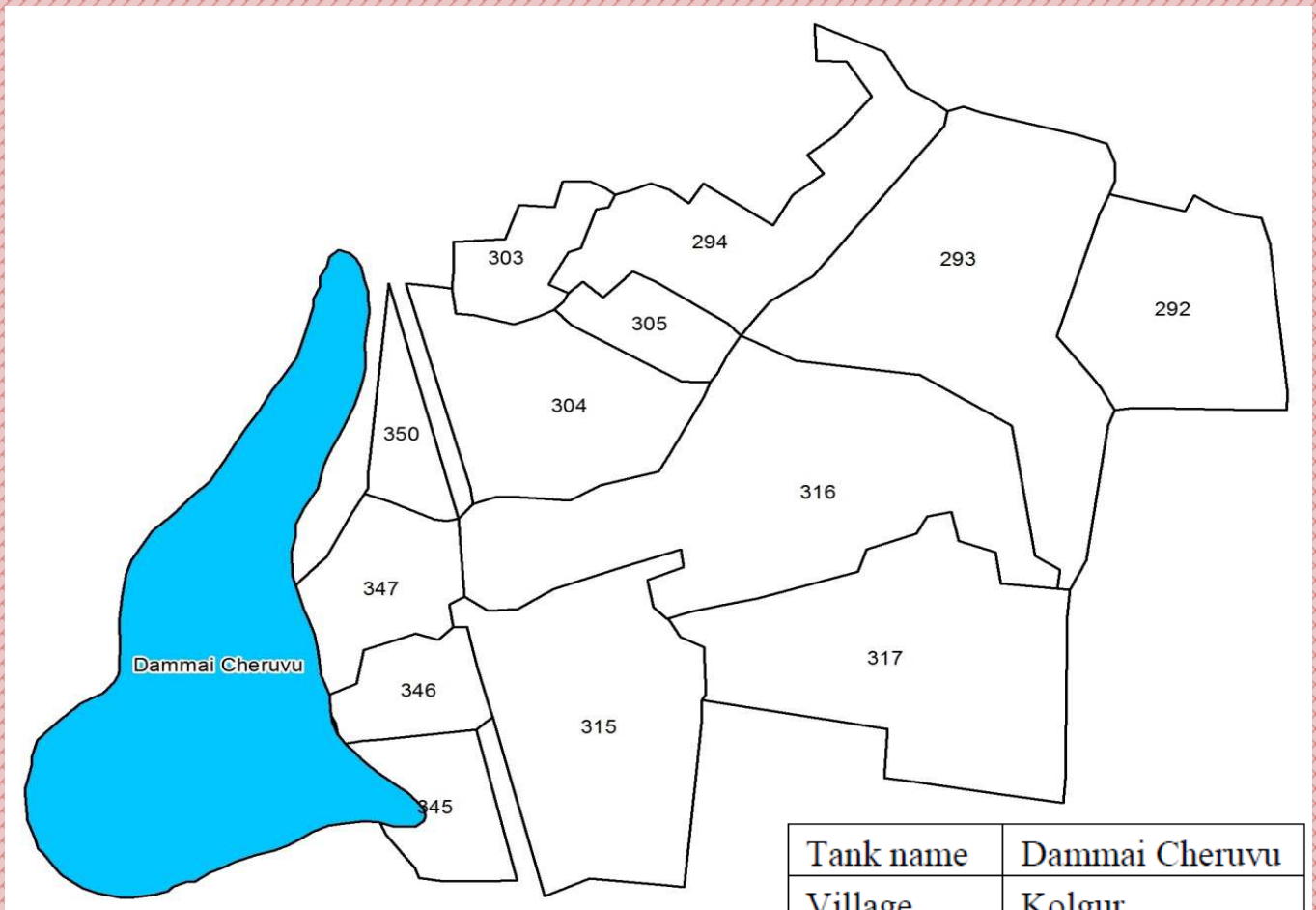
Tank Information System - Ongoing project at TRAC

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.

TIS developed by TRAC acts as a major input to the prestigious Mission Kakatiya project for tank conservation taken up by Govt. of Telangana. Along with tank information tank wise ayacut layouts is also being provided. GIS based inventory of command area is useful for delineation of registered ayacut under each tank. Registered ayacut consists of various revenue survey numbers (Cadastral information) to which tank is expected to cater. Registered ayacut maps are available for major and medium irrigation projects only. For minor irrigation schemes, there is an urgent need to prepare ayacut maps for each minor irrigation source which is vital for monitoring and evaluation of impacts of Mission Kakatiya. Survey numbers for particular tank ayacut are identified and the boundaries are delineated. This information is provided in the web application for access.

14,677 tanks have been delineated so far, out of which 197 tanks ayacut has been mapped. Based on the information provided by I&CAD with proper survey details tank information can be provided and a complete database can be built.



Tank Ayacut information for Dammai cheruvu

Tank name	Dammai Cheruvu
Village	Kolgur
Mandal	Gajwel
District	Medak