

Water Resources:

Completed Projects

- Delineation of Canal Distribution System and Generation of Command Area Register using GIS and Surface Hydrology Modeling for Sripadasagar Irrigation Project
 - Generation of DEM, Slope and Aspect
 - Deriving Ridges and Valleys
 - Delineation of Canal System and Check Boundaries
 - Generation of Command Area Register

- Preparation of Catchment area Treatment Plan for Sripadasagar Irrigation Project
 - Modeling sediment yield
 - Watershed analysis
 - Prioritization of watersheds

- Preparation of GIS database for Sripadasagar and Dummagudem Irrigation Projects.
 - Digitization of Topographic features and administrative boundaries (District, Mandal, Village and Political)
 - Marking canal alignments
 - Generation of Tank Capacities
 - DEM and Slope Generation
 - Finding command area and Submergence areas and its statistics
 - Generation of soil maps for finding crop suitability and fertility
 - Mapping of Environmental base maps

- Preparation of GIS database for Nagarjuna Sagar Modernization Project.
 - Digitization of Topographic features and administrative boundaries (District, Mandal, Village and Political)
 - Marking canal alignments
 - Generation of Tank Capacities
 - DEM and Slope Generation
 - Finding command area and Submergence areas and its statistics
 - Generation of soil maps for finding crop suitability and fertility
 - Mapping of Environmental base maps