



# GIS BASED IRRIGATION SYSTEM FOR PLANNING AND DESIGNING OF SRIPADASAGAR IRRIGATION PROJECT

Location : Karimnagar, Andhra Pradesh, India  
Type : Water Resources and Irrigation Planning  
Client : Irrigation and CAD Department, Andhra Pradesh  
Completion : July - 2007  
Scope of work : GeoSpatial Database Creation and Analysis  
Project Cost : ₹ 5000 Crore

## Technical Data

Area : 1821 sq km  
Software : ArcGIS, Erdas Imagine

## Other Information

The project involves GIS database creation using SOI topo-maps and satellite imagery for entire command area, balancing reservoirs volume calculation and delineation of command area boundaries, catchment area treatment plans and environmental base maps creation and overlay of administrative and socio-economic data for MOES clearance, delineation of distributary system and command area registers generation using hydraulic and DEM analysis.

