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TRIBAL DEVELOPMENT

BANKING



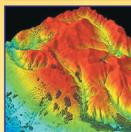




Odisha State Data Policy-2015 (OSDP-2015) GOVERNMENT OF ODISHA



IRRIGATION









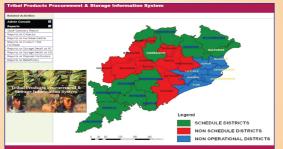


Nodal agency for providing Remote Sensing, GIS, GPS and SATCOM applications solutions to all the departments / offices and agencies of the state

State centre of ISRO/Dept. of Space, Govt. of India for implementing the ISRO/DoS/NRSC/SAC/DECU/RRSC projects







UPCOMING PROJECTS

- Cadastral level Geo-spatial Information Dissemination
- Geo-coordinate Library of Landmarks/important Locations of the State
- Updated Odisha Sampad on Internet
- Odisha Spatial Datasets availability through 'BHUBAN'
- Utilisation of 'RISAT' all Weather Data & ISRO 'GAGAN' Network
- Urban Cadastral GIS database for GA Dept., Odisha
- Extension of Edusat Network
- Establishment of Odisha State Database Infrastructure (OSDI)
- Industrial infrastructure data supply services through GOiPLUS and Web services for Land Bank data dissemination
- · Canal Network (Minor Irrigation) Database Development
- Geo-spatial data for Agriculture Development
- UAV applications for Disaster Management
- ALTS applications in Coastal Area Management
- GPS based Vehicle Monitoring System

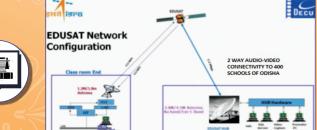
Contact Details :-

ODISHA SPACE APPLICATIONS CENTRE (ORSAC)

Department of Science & Technology, Govt. of Odisha Plot No. 45/48(P), Jayadev Vihar, Near Gopabandhu Academy of Administration Unit-16, Bhubaneswar - 751023, Odisha Phone - 0674-2303625, 2300733 (EPBX), 3293545(Dir), Fax No. 0674-2300681 Email: orsac.od@nic.in, Website: http://www.orsac.gov.in







EDUCATION

GROUND WATER

State agency for repository of satellite data, Aerial photo, Radar image,

topo maps, thematic maps and Geo-coordinates. · Operationalisation of Space Technology Applications in State for development planning activities.

· Implementing agency for "Odisha State Data Policy" and maintenance of Odisha Spatial Data Infrastructure.

Demonstration of multi-disciplinary application projects for natural resources management and environment monitoring.

Operationalisation of district / block / village level GIS database through internet/Web-services.

 Participation in Remote Sensing and SATCOM programmes of Indian Space Research Organization (ISRO)/NRSC/ SAC/DECU and in data infrastructure programme of NSDI.

Reaching quality teaching to school students uniformly across the state through EDUSAT network.

 Popularisation of Space Technology through Space Information Centre and Vigyan Prasar program.

HUMAN RESOURCES

MANDATE

24 scientists, 46 Engineering / Technical staff and 34 supporting staff having specialisation in optical and microwave Remote Sensing, Image Processing, GIS, ICT, Digital Photogrammetry, GPS & Computer Applications etc. having subject background of applied geography, geology, physics, botany, oceanography, marine science, mathematics and civil / mining / electrical engineering etc.



MAJOR ONGOING PROJECTS

- National Level & Central-State joint Programme
- Space based Information Support for Decentralized Planning, Odisha,
- Natural Resources Census (NRC) Landuse Project.
- FASAL (Forecasting Agricultural output using Space, Agrometeorology) and Land based observations)
- Dissemination of Educational Services through EDUSAT and Interactive training through GRAMSAT
- Implementation of OSDI-Odisha Spatial Data Infrastructure
- State Level Projects
- Ortho-Image Generation of Odisha and Maharastra
- NLRMP-(National Land Records Modernisation Programme) Cadastral Resurvey & Updation
- Plantation monitoring of Odisha state and site identification for compensatory afforestation
- Geo-spatial technology for rural & urban development programme on web-GIS platform
- Study on interoperability of different GIS & Digital Image Processing (DIP) softwares
- RS & GIS inputs for Comprehensive Development Plan (CDP) preparation of towns
- · Odisha Land Bank and GOiPLUS web-portal development-Govt. of Odisha's Industrial Portal for Land Use Services
- Web GIS 'Odisha Sampad'
- DGPS survey for Forest Diversion approval and Mining lease boundary
- Power-GIS for OPTCL
- Stage Carriage Permit Management System
- GPS based Vehicle Monitoring System
- Banking network web-GIS Database
- Tribal Products Procurement and Storage Information System

INFRASTRUCTURE

Digital Satellite/Aerial data:- IRS2, Cartosat2, Resourcesat, AWiFS; World View 1 & 2, Orthoimages of entire state for the year 2010, 2012 and 2014. Aerial photographs of 10 coastal distrcts (1975/1988/1990) and five inland districts (2014-16).

System, Server & Storage: - Blade/ Rack/ Tower server and 150+ Highend Desktops. On-line storage-36 TB, Mini storage of 9 TB.

Peripherals:- Laserjet printers, A0 size Vidar Colour Scanner, Multifunction printer, A0 Designjet plotters.

GPS/DGPS: - Trimble/Leica DGPS with Rovers, Handheld GPS and ETS.

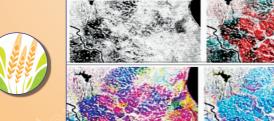
Software-GIS: - Arc-GIS/ Geomedia/ TerraGo Geo PDF/ AutoCAD, Arc-GIS server. Image processing- ERDAS, ENVI, TNT MIPS, Integraph Geospatial server, DBMS- ORACLE, MS SQL 2008, CITRIX, VMmare Virtualisation, Exchange server etc.

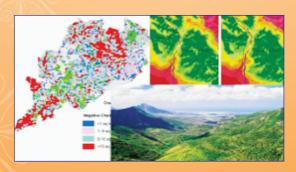
Communication: - Direct Reception Systems (1528), VSAT(353), Satellite Interactive Terminals for Edusat (219) & Gramsat (33), Earth Station and Studio for Edusat/Gramsat, RF link and Satellite connectivity.

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AGRICULTURE

INDUSTRY









