GAJAPATI:
Using Technology to facilitate e-Governance & Services

The stately district of Gajapati, an erstwhile subdivision of Ganjam district of Odisha, came into being on 2nd October, 1992, is named after the Maharaja Sri Krushna Chandra Gajapati Narayan Deb. The major part of the district is hilly with undulated topography having forest area of approx 2,300 sq. Kms producing products like timber, bamboo, hill broom, soap nut etc. It also provides congenial environment to be inhabited by tribals. The district is based on agrarian economy with flourishing agro processing units and cottage industries. The climate is conducive for production of crops like paddy, sugarcane, sunflower, oilseed etc.

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The very nomenclature of the district Gajapati, which relates to regality, also has a remarkable progress in today's digital era through various e-Governance activities. Some of the remarkable efforts of NIC District Unit, Gajapati include:

ICT DISPLAY AT GAJAPATI UTSAV

During Gajapati Utsav 'ICT initiatives & uses' were displayed by NIC district unit using Wi-max connectivity. e-Governance initiatives were demonstrated along with the importance of Internet & emails, use of public utility services such as Internet Banking, Railway, Air ticket / Bus ticket reservation, payment of telephone / electricity bills, deposition of insurance premiums, mobile top-ups / recharge etc.

DISTRICT PORTAL (http://gajapati.nic.in)

The portal makes available single point visit for services like web GIS, e-scholarships, Bhulekh (land records), tenders, result publications etc. It provides varied information related to transport facility, banks and contact numbers of public utility services under citizen services corner.

MSDP (MULTI-SECTORIAL DEVELOPMENT PROGRAMME)

The district has been identified as the only Minority Concentration District (MCD), (Category: A) under MsDP by the Ministry of Minority Affairs, Government of India.
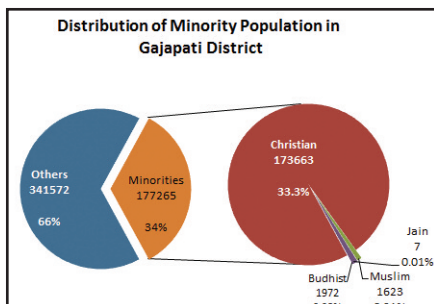
The MsDP computer cell established at ITDA, Paralakhemundi manages Baseline Survey, Committee meeting proceedings, budget provision, fund allocation, beneficiary information etc using web based online system. Data of 4942 beneficiaries under IAY, 143 Anganwadi Centres, 4 PHCs, 36

BASUDEV BAHINIPATI
Collector & District Magistrate, Gajapati

NIC District Unit, Gajapati, is playing the key role in implementation of e-Services in the district & providing e-Information to the masses. Integration of e-payment and SMS services in various projects has brought transparency in the administration.

The pro-active initiative of Shri T. Balakrishna Murthy, DIO, in conducting various training programmes, organising workshops, updating websites, conducting VCs and extending his support at all levels including Tehsils, Courts, Veterinary Hospitals etc are well appreciated.

Distribution of Minority Population in Gajapati District

primary school hostels etc have been processed with financial achievement of Rs. 26.59 crore towards the development process.

e-FUND MANAGEMENT SYSTEM (e-FMS)

e-FMS has been launched to speed up payment of wages to workers employed under the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA).

Through e-FMS, wages are electronically credited directly to the beneficiaries' bank accounts a day after the transaction, doing away with the previous time-consuming payment system and involvement of middlemen. Since implementation of project, Rs. 55.37 lakhs have been transferred

through 7496 transactions made through the new system.

PRERANA

"Post-metric Scholarship Registration Release and Network Automation System" (URL: http://www.ori.nic.in/odishapms) is aimed to facilitate faster and efficient disposal of scholarship applications and timely payment to the ST/ SC/ OBC/ SEBC/minority students directly to their bank accounts. During 2011-12, around 2854 students of 35 institutes of the district have been benefited from the project and have availed more than Rs.1 crore.

The ease of online application with transparency at every level, providing SMS alerts at every stage accompanied with trainings, workshops etc. resulted in doubling of beneficiaries.

A web portal – 'Prerana' has been developed using .Net environment for front-end business logic and MS SQL Server 2005 as back end database. The main features of the web based application are -

■ NIC SMS Gateway is used for SMS delivery to all stakeholders

■ Provision of localization

■ Menu driven search facility over the portal

■ FAQs for students as well as for institutions

■ High availability on 24x7 basis

■ Help-desk facilities at every district and State HQs with e-mail and phone number

■ Role based application leading to authentication and authorization for each stakeholder

■ With Application ID and Password student can now track the current status of their application, whether it is pending or forwarded to District Welfare Officer

■ Portal facilitates online registration, submission, processing by institute and online sanction, generation of Bank release order for transfer of scholarship to student's bank account
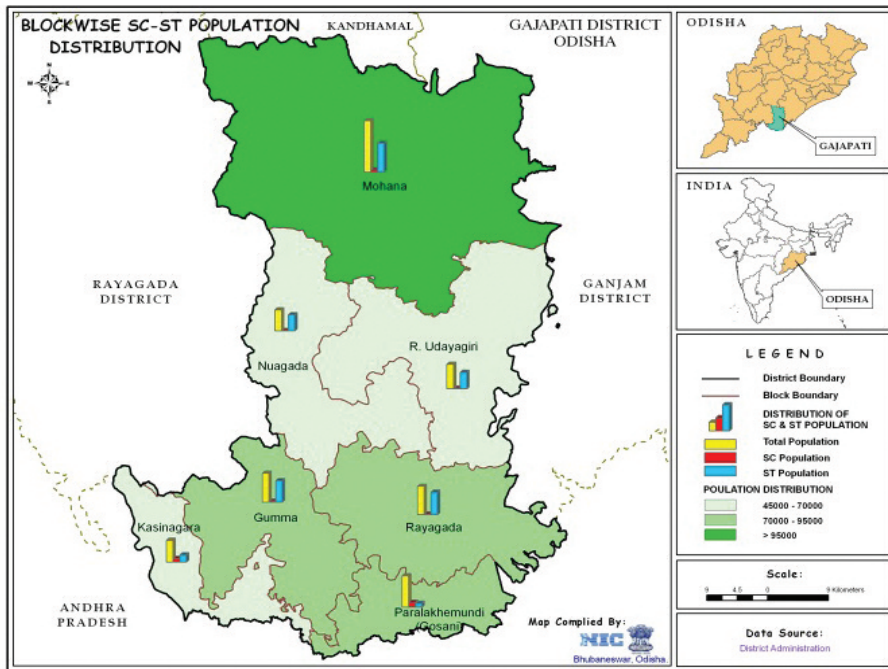
ONLINE PADDY PROCUREMENT (URL: http://paddy.ori.nic.in)

This system helps in monitoring paddy procurement through Regulatory Market Centres (RMCs), Civil Supplies Office, and Tribal Development Coordination Corporation (TDCC). In 2012-13, 119,454.93 quintals of paddy have been procured through participation of 51 millers, 33 societies and 9 market yards thus giving reasonable price to the farmers by eliminating middlemen and other bottlenecks.

Paddy purchased by the State Government is milled into rice by the millers and is subsequently distributed to targeted beneficiaries under Public Distribution System (PDS). In order to bring the transparency in the procurement system, Odisha State Civil

Prerana Workshop

BLOCKWISE SC-ST POPULATION DISTRIBUTION — GAJAPATI DISTRICT ODISHA

Display during Gajapati Utsav - 2012

Supplies Corporation approached NIC and a web based solution was developed using ASP.Net [C#] and MS SQL Server 2005 database. This application is in use by the PACS, SHGs, PP, Market Yard, NAFED, Markfed and FCI. The scope of the application includes -

- Token Slip
- Vendor Receipt
- Transit Pass
- Paddy Acceptance Note
- Paddy Purchase Register
- Quality Test of Paddy
- Paddy Payment Receipt
- Paddy Stock Register
- Millers Control Register

WEB-GIS

The web GIS, with dynamic Browse, Query, and Thematic maps along with Static Map Gallery, is being extensively used by the district administration for effective planning and decision making for various projects.

The district comprises of 1528 villages, 7 Blocks and 129 GPs with hilly terrain, lush green forests and undulated topography. A complete GIS application (desktop as well as Web based GIS) has been helpful to the district administration at different levels in monitoring, planning, decision making and implementing the Geographic data for various sectoral activities. Different activities such as capturing, storing, manipulating, integrating, organizing, analysing and displaying geographical data is now possible. This application is capable of combining both spatial data (map) with non-spatial one (tabular data).

OBJECTIVES OF THE PROJECT

The main objectives of the project are to develop rural-informatics for decision-making, which involves:

- To map the district/subdivisions /tehsils/RI Circles/block/GP/village along with existing infrastructure and their associated information relevant for decision making in a GIS environment
- To map the Parliament and Assembly Constituency boundaries
- To assess the type and nature of databases that are necessary for various department functionaries
- To identify and customize/ standardize a GIS format and software that suits the requirements of the various departments
- To generate / collect the required database from grass-root level for rural development in GIS format
- To facilitate query based analysis (generation of thematic maps based on Single query, Range query and Multiple query along with query based reports) of the GIS data
- To retrieve attribute information of the mapped feature based on the requirement
- To host the GIS data on the WEB for G2G and G2C applications

TECHNOLOGY USED

1. Desktop Applications: Arc GIS 10, SPANS, ArcView-3.2
2. Web-Based Application for G2G & G2C application (Using Open Source)
3. Apache HTTP Server version 2.2.11
4. PHP version 5.3.0
5. Map Server CGI 5.4.2
6. Map Script 5.4.2 (C#Sharp, Java, PHP, Python)