

A Step Towards G-Governance NIC Initiatives

Geoportal <https://gismp.nic.in>

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Present Status

- Era of G-Governance (e-Governance based on spatial data)
- High Resolution RS data availability (~ 50 cm)
- Software platforms are maturing towards Web architecture
- Present Servers configuration are suitable for Geo-processing & handling of voluminous data.
- Bandwidth is good but not satisfactory. Gigabit network/3G may resolve the issue in future.
- GIS moving from Desktop to SOA Enterprise solutions
- Cloud

State-wide Enterprise GIS Applications

i-GeoApproach/ eMarg	:	Internet Geomatics-based Application for Planning Rural Road Connectivity to Habitations (for MPRRDA)
GeoURS	:	GIS-based Unified Road System for all Dept. (PWD, NHAI, MPRDC, MPRRDA, RES)
GeoTnCP	:	GIS –based Land Use & Planning Permission System for Town & Country Planning, GoMP
GeoSearch	:	Search any Village/ Panchayat of the state. Facilitates distance & area calculation (G2C), tag facilities
i-GeoAmpere	:	Internet Geomatics-based Application Model for Planning Distributions of Electricity to Rural Entities (for West & Central DistCom’s)
GeoForest	:	Geomatics-based Forest Mapping (for MPFD)
GeoPlan	:	GIS-based Facility Management System for District Administration / <i>Zila Panchyat</i>

Development State-wide Enterprise GIS Application

EIA,EMP,CAD : GIS-based system for preparation of Command Area Development and EIA & EMP for NVDA

Watershed : GIS-based Watershed Management (For P&RD, GoI)

**Advisory / Expert
Member of
Committee**

1. Revenue (Land Records)
2. Rural Development
3. Forest
4. M.P. Council for Science & Technology
5. Town & Country Planning
6. Geology & Mining
7. Health
8. Rajeev Gandhi Watershed Mission
9. EPCO
10. NSDI / NSDC

**Research
publications**

International, national level. Concept note on SGSI

Infrastructure & Expertise

- State-of-the-art Servers
- Industry Standard Software platforms
- Open Source
- In GIS domain over a decade
- Human Expertise
- Cloud / SOA based Enterprise solutions
- OGC Compliant
- Innovative development
- Supporting other states (Bihar, TamilNadu.....)
- National level contribution (MoRD, MoP, NIC, NSDI, NSDC,.....)

HRSI Expectations from NRSE

- Era of G-Governance (e-Governance based on spatial data)
- Growing demand of Geo-spatial data between the providers & users but unaware of policies
- Revenue / RD/ Urban projects demand ~ 50 cm
- Foreign data providers : Setup servers in India
- Data as service (map / vector)
- Subscription-based data models
- Fast track clearance of data
- **GAGAN**

Issues & Challenges

- Era of G-Governance (e-Governance based on spatial data)
- Growing demand of Geo-spatial data between the providers & users but unaware of policies. (Google, RS data)
- Standards (projection, metadata) not followed. Inter-operability is a issue.
- Lack of own expertise. Vendor driven. Misleading
- Heroic approach Vs Institutional approach
- Thinker ----- Developers
- Policy on sharing, IPR, ownership of the data
- Huge Expenditure on procurement/ infrastructure/ development by different dept.
- Redundant data sets
- Human resources

Achievements

Projects	Awards
	<ul style="list-style-type: none"> • International Special Achievement in GIS (SAG) Award during International ESRI UC Conference 2011 held in USA • The Premier Geospatial State Award for the state of Madhya Pradesh by India GeoSpatial Forum in Feb'12 
i-GeoApproach	<ul style="list-style-type: none"> • International Geospatial Excellence Award Jan 2011 • Winner of National e-Governance Award 2009-2010 in innovative category  
i-GeoApproach inauguration	<ul style="list-style-type: none"> • Hon'ble CM of Madhya Pradesh inaugurates Geomatics-based Application "i-GeoApproach" 
GeoSearch	<ul style="list-style-type: none"> • Award for excellence in e-Governance initiatives in Madhya Pradesh 2011-12 by Dept. of Information Technology, GoMP 
GeoForest	<ul style="list-style-type: none"> • Award for excellence in e-Governance initiatives in Madhya Pradesh 2011-12 by Dept. of Information Technology, GoMP 

Achievements

Projects	Awards
i-GeoAmpere	<ul style="list-style-type: none"><li data-bbox="614 315 1754 472">Award for excellence in e-Governance initiatives in Madhya Pradesh 2008-2009 by GoMP for the product "i-GeoAmpere" 
e-Gram Suvidh	<ul style="list-style-type: none"><li data-bbox="614 565 1715 665">Prestigious national CSI-Nihilent e-Governance Award for the product e-Gram Suvidha. 

Projects Presentations

- [i-GeoApproach / eMarg](#)
- [GeoURS](#)
- [GeoT&CP](#)
- [GeoSearch](#)
- [i-GeoAmpere](#)
- [GeoForest](#)
- [GeoPlan](#)



Thank You

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