

# 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



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

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



# Achievements

Projects	Awards
<b>i-GeoAmpere</b>	<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"</li></ul> 
<b>e-Gram Suvidh</b>	<ul style="list-style-type: none"><li data-bbox="614 565 1721 665">Prestigious national <b>CSI-Nihilent e-Governance Award</b> for the product e-Gram Suvidha.</li></ul> 

# Projects Presentations

- [i-GeoApproach / eMarg](#)



- [GeoURS](#)



- [GeoT&CP](#)



- [GeoSearch](#)



- [i-GeoAmpere](#)



- [GeoForest](#)



- [GeoPlan](#)



*Thank You*

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