

Background Note for President & CEO, NeGD
on Use of GIS in Informed Planning & Decision Making

Digital India programme is a flagship programme of Government of India with a vision to transform India into a digitally empowered society and knowledge economy. Its vision areas are centered on 'Digital Infrastructure as a Utility to Every Citizen', 'Governance & Services on Demand' and 'Digital Empowerment of Citizens'.

2. GIS is a technology to geo-enable e-Governance (Pillar 4), to undertake efficient planning & decision making as part of 'e-Kranti – Electronic delivery of services' and 'Information for All' (Pillar 5) and to facilitate location based 'Information for All' (Pillar 6).

3. Geo-informatics is integral to Planning, Decision Making & Electronic Delivery of Services. It geo-enables e-Governance to facilitate location based information for all. Thus, implementation of GIS based Decision Support Systems (DSS) is essential for ushering 'Good Governance' as it facilitates transparency, responsiveness, efficiency & effectiveness, accountability and participation across Government.

4. In the earlier workshop held on 20th February 2015, a need to create a common GIS platform with a defined governance structure, clear cut responsibilities of different agencies in terms of data sharing & access, data standardization etc. was envisaged.

5. Accordingly, the National Centre of Geo-informatics was constituted and launched by Hon'ble MoCIT during the Good Governance Week celebrations in December, 2015. The vision behind NCoG is to be one of its kind 'GIS platform' for Sharing & Collaborating GIS data source, location based analytics and 'Decision Support System' serving to Central / State government departments, businesses as well as provide hosts of citizen services.

6. NCoG has been assigned the responsibilities to:

- i) Provide a national platform for developing geo-informatics related resources and capabilities in the country for G2G and G2C services
- ii) Provide applications and solutions to all Government, Central, State, Local self-governments, public in the area of geo-informatics.

- iii) Take up programmes for human resource development in the area of geo-informatics.
- iv) Enter into collaboration with other similar bodies, both in public and private sector to enable it to fulfill its objectives.
- v) Take up R&D in the area of geo-informatics

7. The services will be available on NIC cloud (MeghRaj) which can be mapped & accessed by any one on his system/mobile.

8. In order to implement the GIS based DSS based on federated architecture, scalable platform and open source standards NCoG, has established knowledge partnership with Bhaskaracharya Institute for Space Applications and Geo-Informatics (BiSAG) which has demonstrated its expertise through successful rollout of GIS based applications for numerous user Departments under State Government of Gujarat.

9. Thus, NCoG in partnership with BiSAG, Capacity Building team of NeGD and Central / State Governments, is holding today's workshop. The objective of the workshop shall be to familiarize the participants about the basic concepts on geo-informatics and provide training on the following:

- i. Methodology of using multi-purpose 2D/3D/4D, standardized, authenticated, common field level (ownership level) Geo-spatial databases
- ii. National GIS platform
- iii. Creating spatial database
- iv. Uploading spatial and thematic data
- v. Role of NCoG in assisting State Governments
- vi. Support required from State Governments

You are expected to provide further support for implementation of GIS in your State / UT, in coordination with NCoG.