

Minutes of the 5th Meeting of CGPB Committee XI: Geoinformation and Data Management Kolkata on 10th June, 2011

The meeting was chaired by Shri A. K. Malaviya, Deputy Director General, Head Mission III & Convener, CGPB Committee XI. Shri A. Sundaramoorthy, Director General, Geological Survey of India was the Chief Guest for the meeting. The meeting was attended by representatives of State DGM of Jharkhand, Orissa, Andhra Pradesh, Tamil Nadu, West Bengal, Kerala and several Central Organizations viz. ISRO, SOI, AMD, IBM, MECL, CGWB etc. Senior officials of GSI and representatives of Mission III of all Regions of Geological Survey of India also participated the meeting.

Welcome Address: Shri B. Nageswaran, Member-Secretary, CGPB Committee XI welcomed the distinguished gathering.

Address of the Chief Guest & DG, GSI: Shri A. Sundaramoorthy addressed the gathering and highlighted the following:

1. Proper Dissemination Policy for all member organizations. He stated that GSI disseminates data and information through its Portal based on the dissemination policy of GSI. Dissemination policy should be made need-based and reviewed periodically. He Stated that GSI is will be putting its 50K map service in public domain. For that necessary policy and technological aspects are getting looked into.
2. GSI is going to implement OCBIS (Online Core Business Integrated System), a major upgradation of its ICT infrastructure and applications in terms of capacity enhancement and service delivery. He requested all member organizations to give their suggestions and feedback as the members of Committee XI forms a major constituent of external stakeholders.
3. DG, GSI stressed on the National GIS (NGIS) initiative and requested all member organizations of CGPB Committee XI to gear up and contribute towards success of this national level spatial data infrastructure and service facility.

Address of the Convener: Shri A. K. Malaviya in his speech deliberated on the following aspects:

1. Data collecting agencies must come forward to share data. It is observed that member organizations of CGPB Committee XI are not aware of each other's data dissemination policies. He stated that GSI has put in Portal nearly 80 % of its data (Reports, paper maps etc.) for public. Policy formulation for dissemination of digital data is under process.

[ACTION (All members): All member organizations must submit their existing data dissemination Policy to the Member-Secretary at the earliest]

2. Efforts should be made by respective member organizations to participate in NGIS initiative. One of the major goals of NGIS is to develop dedicated portal for dissemination of multi-thematic geo-spatial data generated by various agencies. All must work together and arrive at a single standard for that.

[Action all members]

3. All member organizations should plan for means of sharing data and keep the

Committee informed about their progress.

[Action all members]

Address of the Member Secretary: Member Secretary deliberated on three aspects:

A. **Progress made since 4th meeting:** Shri B. Nageswaran appraised the house about the progress made since 4th meeting held on 10th January, 2011.

1. He stated that the Base Document on Geoinformatics has been finalized and sent to the Ministry. He regretted for a poor feedback-response from member organizations.
2. He reiterated that the data dissemination policies and the 'Negative Lists' of member organizations are not properly circulated. It was stated that all member organizations should publish their data holdings and data dissemination policies through Portals / Websites, so that others know exactly what is to be done to access available data sets.
3. Status of conversion of metadata as per NSDI Standard 2.0 has not been provided by the member organizations. He requested representatives of member organizations to share the same.

B. **Important Government of India initiatives:**

1. **IPv6:** By the end of 2011, there will be no more IPv4 addresses available and Internet users will be using the next-generation Internet protocol Pv6. Adoption of IPv6 has been **mandated by the Government of India** and the deadline for compliance and readiness across all Government departments has been set as March 2012. It is imperative that necessary changes in ICT infrastructure and applications are to be carried out by all member organizations.
2. **NGIS:** Planning commission has envisaged that NGIS as a national GIS initiative and its implementation through INGO (Indian National GIS Organization) would greatly benefit the nation. INGO will provide a 'Common GIS frame' to the operations of the national and state government with proper in-built safeguards of security, access, copyright of data etc. This will have great bearing on the Public Information Infrastructure (PII) to be developed for providing citizen centric service of e-governance. The GIS services will be made available through a National GIS Portal, a single gateway access with detailed modules of metadata search, National GIS Asset access and National GIS Application access. Member organizations have to make significant contribution and should gear up for that.

C. **Current IT activities of GSI:** He also appraised the house about current IT activities of GSI. GSI has engaged National Institute of Smart Government (NISG) as IT consultant to study the existing ICT infrastructure and applications (AS-IS); finding gap areas (GAP Analysis) and defining the scope of future enhancement path (TO BE) leading to formulation of a DPR and RFP. This consultancy is aimed towards development of an integrated web enabled on-line system (OCBIS that will take care of all core business activities of GSI.

He stated that OCBIS implementation focuses not only on the internal functionalities of GSI but also includes requirement study of external stakeholders; namely state DGMs, and several central organizations. NISG team will visit some of the external stakeholders to capture their views, expectations, data sharing requirements etc. from GSI. He requested representatives of

all member organizations to put forward views and requirements so far as data sharing is concerned. In this respect, the link in GSI Portal on OCBIS can be utilized for providing feedback.

Presentation by Member Organizations

Atomic Mineral Division: Shri C. Shanti Kumar and Dr. R. Mohanty presented the status of its present IT work and the available data in their website.

1. Data sharing policy of AMD is restrictive. AMD is working on its policy so that more data can be shared by them.
2. AMD is in the process of digital data conversion (Spatial and drilling data) and generation of report metadata.
3. AMD expressed their interest in taking part of NGIS as well as INGO initiatives.
4. AMD will hire consultant for upgradation of its ICT.
5. AMD offices are connected through VPN, but the network is still in its initial stages.
6. Major databases are available, looking into various aspects of data conversion. AMD is also preparing metadata for Unpublished Reports.
7. Video Conferencing is being implemented.
8. Suggested to put in place a Group within the purview of Committee XI for working on data sharing.

The Convenor stated that a small group may be formed in future with designated representative from member organizations. Convenor also stated that NISG, the IT consultant, hired by GSI, will visit AMD, Hyderabad as part of stakeholder analysis particularly for Airborne data. AMD is requested to interact with the consultants regarding sharing of data.

[Action:GSI and AMD]

In response to a query from Sri G Dasgupta, GSI regarding NSDI guideline and policy to share all data, AMD representative informed the house that some of AMD data is strictly restricted and cannot be shared.

Indian Bureau of Mines: Shri M. G. Bhattacharyya stated that IBM has various data holdings including:

1. National Mineral Inventory
2. Mine Plan and Production data
3. UNFC classified data
4. RP data etc.

IBM is in the process of sharing these data through its Portal. Even mine plan is being shared partially.

Shri M. G. Bhattacharyya requested GSI for 10K geological map data because 50 K geological maps will not serve the purpose of IBM.

The Convener stated that unless SOI makes sharable 10K topobase data available to GSI for entire country, GSI would not be able to generate 10K maps. Moreover, mapping the whole country on 1:10K is a huge job, which GSI cannot take up at this stage. Also, he stated that this committee is mandated to explore possibilities of sharing data that is available and not what to be generated. The Convener also suggested bilateral discussion to resolve the issues. He also mentioned that GSI will have a separate system for keeping data received from private operators generated during operations in leased areas.

Shri Gautam Dasgupta, Director, CGPB Secretariat, GSI remarked that IBM should provide updated Tenement Registry data. He also suggested some mechanism to develop to capture

data from the Lessees. Shri M. G. Bhattacharyya stated that this updation is done on quarterly basis.

Central Ground Water Board: Shri S. K. Samanta and Dr. I Roy stated that their web based GIS system (WEGWIS) contains different groundwater related maps for planning and decision making. Besides, CGWB tasks are being carried out by an application called GEMS.

Dr. I Roy expressed the need of dynamic data exchange among the portals. In absence of this, even if the data is shared either it is not updated timely or it involves re-digitisation time and again.

The Convenor replied that as it involves digital data sharing with vector data download functionalities, a clear-cut dissemination policy for this is not devised as of now.

Shri Gautam Dasgupta, Director, CGPB Secretariat, GSI remarked that it can form an agenda and sent to CGPB.

[Action: GSI and other members]

Mineral Exploration Corporation Limited: Shri M. N. Sahay, MECL stated that since MECL generates data for others on payment basis, it is not possible to share data readily. However, MECL is engaged in planning to make metadata available to stakeholders. MECL requested every organization to furnish Executive Record of their data, i.e., metadata.

The Convenor responded that GSI has metadata for its entire gamut of data.

Indian Space Research Organization: Shri A Jeyaram stated that ISRO through NNRMS (www.nnrms.gov.in) has made available data holdings of thematic and base maps generated using remote sensing imagery. The ISRO already has a portal, where some of the information is already available. However, because of map restriction policy, ISRO programmes are being hampered. They have already prepared 10K sample satellite basemap and now developing Panchayat kind of nodes. ISRO also collaborated with GSI in projects like Vasundhara, Geoismm etc.

The Convenor noted that apart from Vasundhara and Geoism, GSI has also collaborated in National Geomorphological Mapping project at present.

Shri A. Bhattacharyya, Director, PSS, GSI enquired whether archived satellite data can be made available for free viewing so that user agencies can narrow down its area of interest and subsequently purchase the priced data.

Shri A Jeyaram, stated that data can be made available as per the Map Restriction Policy of the Min. of Defence.

Dept. of Mines and Minerals, West Bengal: Ms S. Ghosh stated that at present the department is engaged in computerization and digitization of maps and soft-copy conversion of reports. She stated that data dissemination policy will be finalized during 2011-12 and after March 2012, WB DMM will then be in a position to come up with their data sharing and dissemination policy. The first target for them is to digitize the Geological Maps by March, 2012. She also stated that some reports like Panrkidih apatite are being digitized.

Representative of IBM stated that there is immediate requirement of establishing a database on RP and publishing that through a portal.

The Convenor stated that GSI is ready to help WBDGM in its process of IT enablement / Capacity building including training.

Sri Gautam Dasgupta suggested that their capacity building part can be taken care of by GSI.

Dept. of Geology & Mining, Orissa: Shri P. C. Mishra presented the data that are available in the official website including the Lease data. He also pointed out some discrepancy in their data with the IBM and GSI data.

The Convenor congratulated DGM, Orissa for a developing a useful website. The convenor also explained that the discrepancy is because of presence of data from private lessees which are not public data. He further requested DGM, Orissa to make a presentation at the next CGPB meeting to be held at New Delhi.

Dept. of Geology & Mining, Kerala: Shri Viju Sebastian presented the status of the data availability in its website (www.dmg.kerala.gov.in) and appraised the house about its Project 'Mining Activities Management System'- aimed towards providing citizen centric online workflow based e-governance service.

Shri Viju Sebastian requested GSI to arrange customized IT training in the field of WebGIS for DGM officials.

The Convenor requested him to put forward a communication stating the exact requirement so that possibilities of conducting customized IT training through GSITI can be explored.

[Action: DGM, Kerala and GSITI]

Dept. of Geology & Mining, Tamil Nadu: Shri N Palanivelu of DGMTN stated that pilot project for Mining Tenement Registry is in progress. They are collaborating with NIC, Chennai for development of web based permit management system.

Dept. of Geology & Mining, Jharkhand: Ms Anjali Kumari of DGM, Jharkhand stated that preparation of Potential area maps of Bauxite based on advanced space-borne sensor in 1:50K is in progress in collaboration with Jharkhand Space application Centre, Ranchi and NRSC, Hyderabad. They have also uploaded all lease allotment orders in the official website.

Ms Anjali Kumari enquired about who could be their partner for developing a geo-portal adhering to guidelines for Government website and NSDI metadata standards.

The Convenor stated that expertise of NIC has to be utilized for this since they can give the proper guidance.

[Action: DGM, Jharkhand to communicate to NIC]

Dept. of Geology & Mining, Andhra Pradesh: Shri KCL Narasimha Reddy of DGMAP stated that development of Online Mineral Lease Concession System is underway.

Special Presentations

1. Shri Bhudeb Chakraborty, senior General Manager, NISG gave an overview on nature of IT systems that should be implemented in government organizations in tune with NeGP. He stated the importance of metadata generation, policy formulation, data dissemination (free, restricted, private categories). He also stated about building an Enterprise Information Framework.

He also stated briefly about OCBIS project of GSI and how that may benefit external stakeholders.

2. Shri Anubrata Chakraborty, Director from Deloitte & Touche Consulting India private Limited presented a talk on 'Data Governance and Framework – A perspective'. The talk was based on geospatial data analysis practice and trends in US and Canada. He stated that emphasis should be on Data Governance and data sharing will be the result of it. He discussed about methodology, value proposition and design consideration aspects of data governance along with data sharing needs of future particularly in governance. He also brought out the interrelationship among Technology-Process-People.

Important Conclusions / Resolutions

Following actionable resolutions / decisions are recorded:

1. All member organizations must immediately submit their existing Data Dissemination Policy and Negative List for circulation.
2. DGM representatives of Orissa and Rajasthan who has developed web based Tenement Registry system have been invited to present at CGPB meeting. Other DGM representatives are also requested to forward their consent so that slots can be booked for their presentation.
3. Status of upgradation of NSDI Metadata standard ver 2 is to be submitted.
4. A proposed data sharing plan has to be submitted.
5. Members are requested to interact with NISG, IT Consultant, engaged by GSI for OCBIS implementation, when they visit the respective member organizations for carrying out stakeholder analysis.

[Action: All members]

The meeting ended with vote-of-thanks proposed by Shri. R. M. Sundaram, Superintending Geologist, Mission III

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