

Minutes of the Second Meeting of CGPB Committee XI: Geoinformation and Data Management
held at Lucknow on 15th December 2009

Dr. Prabhas Pande, Deputy Director General, Mission III and Convenor, CGPB Committee XI chaired the meeting. The meeting was graced by the presence of Shri R. K. Singh, Additional Director General, Shri Jaswant Singh, Sr. Deputy Director General, and other senior officers of GSI.

The meeting was attended by 8 State and 4 Central Organizations apart from representatives of all Regions / Wings of Geological Survey of India.

Dr. P Pande, Convenor of the meeting welcomed the gathering. He stressed the need for preparation of a base document on Geoinformatics and Data management for placing the same in September, 2010 CGPB Meeting involving all the participating organizations and stake holders.
Shri R.K.Singh, ADG, NR and Jaswant Singh, Sr.D.D.G. addressed the gathering and stressed the importance of committee meetings in the new Mission mode activities of GSI and how GSI's activities can be made useful for different stake holders.
Presentations by Participating Agencies
Dr. A.N.Manoharan from DGM, Kerala presented the status of its present IT work and the data available in their website. Requested for making High Resolution Satellite Imagery data available to them without any cost. The Member-Secretary stated that these data pertain to NRSA and, therefore, DGM, Kerala may approach them. NIC representative stated that DGM, Kerala might explore the possibility of obtaining satellite data from services like Quickbird. (Action: DGM, Kerala)
Shri Keshar Kumar Luitel from DGM, Sikkim stated that they have just started digitization of maps and their thrust area is sustainable Urban Development. Requested for making High Resolution Satellite Imagery data available to them without any cost. The Convenor stated that if DGM, Sikkim needs any support in the form of investigation in the State or are interested in any collaboration with GSI, such a proposal may be submitted to GSI for further necessary action. (Action: DGM, Sikkim)
Shri Amrindra Kumar Singh from DGM, Jharkhand presented the status of its present IT work and the available data in their website. It was informed that their DGM was in the process of preparing lease boundary map showing "Leased Out" and "Approved" areas. For iron ore, such maps are ready and the data have been given to the IBM.
Since there were no representatives from IBM, the Convenor asked Shri A.K. Malviya, Director, GSI to present before the Committee the decisions taken during the meeting regarding Tenement Registry System. Shri Malviya conveyed that the next goal would be to collate the data and find gap areas. It was made clear in the above meeting that the GSI map on 1:50 K scale would not serve the purpose as the requirement was for detailed maps on 1:4 K scale. Representatives from NIC stated that hierarchical GIS technologies might be adopted for

<p>the case. GSI would supply maps on 1:50 K and the States generate 1:4K maps. Along with the maps an automated rule based workflow system could be developed that would provide end-to-end operation.</p>
<p>The representative from DGM, AP presented the status of its present IT work and stated that they were finding a lot of difficulty in establishing their IT infrastructure.</p> <p>Shri Vishnu Chandra from NIC stated that NIC was always there to help DGMs. However, DGMs must play a very crucial role in developing a dynamic Tenement System.</p> <p style="text-align: right;">(Action: DGM, A.P)</p>
<p>Shri Nisar Ahmed from DGM, J&K stated that they have just started digitization of maps and their thrust area is Mining Lease Map.</p>
<p>Shri P.J. Bhavsar from DGM, Gujarat stated that digitization of cadastral maps are in progress. They have completed an on-line system for issue of royalty. Also, they have devised a mechanism whereby DGM takes all necessary NOC from different agencies before processing of lease applications, for quick disposal of any application.</p> <p>The Member Secretary stated the need for sending all lease data to IBM by all DGMs.</p> <p style="text-align: right;">(Action: All DGMs)</p>
<p>Shri P.N. Shah from UP State Remote Sensing Agency presented the work (Land use, Soil, Geological, Crop map, etc.). Shri Shah also informed that they had put Road, Railway and irrigation network on their website (http://gis.up.nic.in developed by NIC). They have given all data to district administration for public benefit.</p>
<p>Dr. Abrar Husain from CGWB informed that their portal would go live shortly. They suggested that a CGPB kind of body has to be created for Groundwater and they have mooted for such a proposal to their Ministry.</p> <p>The Convenor stated that if they need any help from us or are interested in any collaboration with GSI, it would be taken care of.</p> <p style="text-align: right;">(Action: CGWB)</p>
<p>Shri Sanjay Khare from DGM, Chattisgarh made a display of their website and the data therein.</p>
<p>Shri K. Umamaheswar from AMD stated that AMD runs its web applications from its HQ. They are in the process of creating a VPN.</p>
<p>MECL: They showed their digital data processing capabilities and stated that MECL can help others in the following activities:</p> <ol style="list-style-type: none"> 1. Take part in developing a sharable dabase 2. Take part in developing National GeoInfo System 3. 3D modeling <p style="text-align: right;">(Action: All concerned)</p>
<p>Shri Sanjoy Kumar from SoI stated that they are preparing 1:2 K maps of Urban Centres. If any agency is interested, SoI can provide the data free of cost.</p> <p style="text-align: right;">(Action: All concerned)</p>
<p>Presentations by GSI Officers on Invited Topics</p>

National Geophysical Data Repository: Shri M V Rao, DDG (Geophysics), presented the proposal for implementation of Geophysical Data Repository at GSI. The basic framework and the required functionalities were presented along with an estimated cost. NIC representatives stated that during designing and implementation, the end user requirements should be considered. DDG (Geophysics) stated that at present there is no data dissemination policy for geophysical data for which guidelines are to be sought from MoM.

NIC also suggested that maintaining any system needs development of in-house team and GSI should think in that line.

Shri Rajeev Srivastava, Director, GSI presented a lecture on Geospatial database in different Geological Surveys of the world.

Shri K K Chatterjee, Director, GSI presented thoughts on 50K map service in the light of new dissemination policy. He emphasized on creation of seamless geological map database, participatory data sharing, semantic interoperability, etc. Also, he stated about characteristic features and technology of Public Domain map service.

Shri A Bhattacharyya, Director, GSI presented the procedure and products of ongoing National Geochemical Mapping (NGCM) programme of GSI.

Shri S Ramamurty, Sr. Geologist, GSI talked about the role of Geoinformatics in the development of mineral sector.

Concluding Remarks from Participants

NIC: Shri Vishnu Chandra and Shri H.L.Sharma from NIC gave the following remarks:

1. A very significant improvement in the GSI Portal has taken place since the last meeting in July 09. It provides basic framework that can be utilised for further advancement and GSI can take lead in terms of providing services to other geological organizations.
2. It is very important that GSI think about the infrastructure sizing before further adding on any service. GSI should assess the data volume keeping in mind the projected future growth.
3. GSI should try to classify applications and services based on user /stakeholders. It seems that primary target should be geoscientific community. Next group should be G2B. It is important to analyze requirement of group.
4. Without the proper participation and involvement of the domain people, no application can succeed.
5. For moving forward, shorter and tangible goals should be set-up. With 6 months to 1-year timeline, these goals can be achieved.
6. State DGMs should gear up in implementation of IT.

Concluding Remarks from the Convenor

DDG (IT) and Convenor stated that:

1. GSI has developed its infrastructure and continue to enhance it so that better services may be provided to the public. But without active participation of other earth science organizations, the desired national goals can be achieved only partially.
2. The Convenors of all CGPB Committees should also meet, as role of Geoinformatics in those domains needs to be discussed and acted on.
3. Requested all participating organizations to contribute in the drafting of the base document which after compilation by GSI, would be submitted to the MoM.

The meeting ended with vote of thanks by the Member Secretary

LIST OF PARTICIPANTS

Sl. No.	Name	Organization
1	R.K.Singh	A.D.G., Mission 1, GSI
2	Jaswant Singh	Sr. Dy.D.G. STSS, GSI
3	Dr. Prabhas Pande	Dy.D.G. IT, GSI Convenor
4	M.V Rao	Dy.DG(GP), GSI
5	A.K. Malaviya	GSI, OP:PH & HP, Faridabad
6.	S.R. Sengupta	GSI, SR, Hyderabad and Member Secretary
7	S.C. Mehrotra	GSI, Lucknow
8	V.N. Pracheta	GSI, NR, Lucknow
9	Rajeev Srivastava	GSI, NR, Lucknow
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40	Ravichandran R.	GSI, CHQ, Kolkata
41	Dr. Alok Kumar	GSI, NR, Lucknow
42	S.P. Sharma	PA to Director, Geodata, CHQ, GSI, Kolkata.

43	R.K. Gupta	UPDESCO, IT&E Deptt., UP
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45	H.L. Sharma	NIC, Delhi
46	S.R. Sengupta	GSI, SR, Hyderabad.
47	Dr. A.N. Manoharan	Dept. of Mining & Geology, Kerala
48	Amrandra Kumar Singh	Deptt. of Mines & Geology, Jharkhand
49	Smt. Kumari Anjali	-do-
50	Sanjay Khare	DGM, Chattisgarh
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52	Dr. D.S. Pandey	CGWB, Lucknow
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55	Rahul Garg	BSIP, Lucknow
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59	Nisar Ahmed	DGM, J&K
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61	Vikas Ranjan	CGWB, NR, Lucknow
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