

**Government of India  
Geological Survey of India**

Kolkata, 2 December 2009

No. /HPC/Mission-II/ Natural Resource Assessment /IC/2009

**ORDER**

1. Under direction from the Union Cabinet, Government of India vide Resolution No.11(39)/2007-M.I dated 7<sup>th</sup> January 2008 constituted a High Powered Committee (HPC) to review the functioning of the Geological Survey of India (GSI) and assess its capacity to meet the emerging challenges taking into account the organisation's technological and manpower resources.
2. The HPC in its Report submitted to the Government on 31<sup>st</sup> March 2009 made a large number of recommendations including changes in Structure, Organization & Human Resources in GSI. Ministry of Mines after considering the recommendations of the HPC, accepted 'in principle' the HPC recommendations for implementation.
3. One of the major recommendations is to re-structure the GSI in Mission-Region Hybrid Matrix mode of functioning. In the Annexure to the Resolution No.20/5/2009-M.II dated 07 July 2009, according 'Attached Office' status to GSI a list of policy executing and coordinating offices was provided which includes Five Missions ,Six Regional Offices, DG's Camp Office at Delhi etc. Each Mission will be divided into Divisions and further sub-divided into Technical Directorates. All programmes will be executed in Regions by Operational Directorates. This may be done directly in a few cases (where specialised items are concerned) or through the State Unit, which consists of Projects Directorates [which may be constituted for an individual program item or cluster of such items]. With this system the existing Wings namely AMSE, Marine and Coal will have ceased to

exist and their programmatic activity will be subsumed in respective Missions and executional part in the Regions.

4. One of the major recommendations is to re-structure the GSI in Mission-Region Matrix mode of functioning. In the Resolution No.20/5/2009-M.II dated 07 July 2009, according 'Attached Office' status to GSI a list of policy executing and coordinating offices was provided in the Annexure to the Resolution which includes Five Missions, Six Regional Offices, DG's Camp Office at Delhi etc. Each Mission will be divided into Divisions and further sub-divided into Technical Directorates.
5. Each Mission will be headed by an Addl. Director General (Geology), Divisions by Dy. Director Generals (Geology) and Technical Directorates by Directors specialising in the subject. In addition, specific areas of each Mission may be headed by Addl. D.G./DDG with appropriate specialisation. The Technical Directorates shall be responsible for formulation of specific project items in the respective field of specialization and each project [item] draft will be complete with details on all technical inputs required to be met including drilling and laboratory facilities and should spell out clearly the desired outcome of the project. Similarly, Regions will be headed by Addl. Director General (Geology) and will consist of Operational Directorates for Mission-II [and also for other Missions] headed by Dy. Director Generals. State Units will be headed by DDGs and Project Directorate by Directors/ Supdtg. Geoscientist.
6. The **Mission-II [NATURAL RESOURCE ASSESSMENT]** headquarters will be located at Nagpur and shall comprise of the following Divisions:
  - ◆ Mineral Resource Assessment Division–Non Energy Minerals [MRA-NE] with Headquarters at Nagpur comprising of 7 (Seven) Technical Directorates namely :
    - 1) Ferrous Minerals
    - 2) Non-Ferrous Minerals
    - 3) Precious Metals and Diamond
    - 4) PGE & Rare Earths
    - 5) Industry Minerals

- 6) Base Metals and
  - 7) Mineral Prognostication & Intelligence;
- all located at Nagpur

◆ Mineral Resource Assessment Division- Energy Minerals (except Atomic Minerals and Mineral Oils) [NRA-E] with headquarters at Kolkata and comprising of 10 (Ten ) Technical Directorates namely:

- 1) Damodar-Koel Valley CF
- 2) Rajmahal - Birbhum CF
- 3) Mahanadi Valley CF
- 4) Son Valley CF
- 5) Wardha-Kamptee-Pench CF
- 6) Godavari valley Coal fields
- 7) East Coast Lignite
- 8) Western India Lignite
- 9) Resource Assessment Division &/CGPB Sub Committee/ other Energy sources-geothermal, tidal etc.
- 10) Drilling

All the Technical Directorates will be headquartered at Kolkata.

◆ Subsurface Geology and Hydrology Division [for deep aquifers studies etc] with headquarters at Faridabad.

6. The ADG, Mission-II shall be the Head of the Department. Accordingly:-

- ◆ All logistics support to Mission-II and its Division shall be provided by the respective Divisions of S&T Support System and Administrative Support System. Till such time that the ADG, Mission-II declared HOD, the Officers and Staff of Mission-II and MRA shall draw their salary from Central Region.
- ◆ The annual assessment of S&T personnel of Mission-II will be under the Mission Head.

7. **Mineral Resource Assessment-Non-Energy Division [MRA-NE]** under Mission-II will deal with all Mineral Exploration Programmes, except for energy and atomic minerals and shall be responsible for:

- ◆ Planning activities, giving targets to the Regions (and State Units), coordinating availability of resources, monitoring performance and approving sectoral scientific and technical reports
  - ◆ Keeping constant touch with Policy Support System [and CGPB subcommittees]for programme formulation and emerging trends
  - ◆ Implementation of the National Mineral Policy-2008 and other policy guidelines on Mineral Exploration.
8. MRA-NE directorates will closely monitor activities of Mission–II programmes in Regions and each Technical Directorate to have 2-3 STS level officers
- ◆ In addition, Chief Engineer (Drilling) will be posted at Nagpur under ADG, Mission-II for planning, coordinating and monitoring of exploration drilling on MRA across the country.
9. **Natural Resource Assessment – Energy Minerals Division [NRA-E]**  
Under Mission – II will deal with matters relating to Coal, Lignite and geothermal energy and shall be responsible for-
- ◆ Planning Activities, giving targets to the Regions (and State Units), coordinating availability of resources, monitoring performance and approving sectoral scientific and technical reports
  - ◆ Participation in exploration activities funded by Ministry of Coal and Ministry of Non Renewable Energy.
  - ◆ There shall be Operational Directorates under DDG, NRA-E for studies on Geothermal Energy. One such Operational Directorate will be located at Nagpur, for executing projects in Central, Southern and Western India; the other located at Lucknow for Northern, North-eastern and Eastern India.
10. NRA-E directorates will closely monitor activities of Mission–II programmes in Regions, and each NRA-E and Technical Directorate to have 2 STS level officers. In addition, a Chief Engineer (Drilling) will be

posted at Kolkata under NRA-E, Division for planning, coordinating and monitoring coal and lignite exploration drilling activity across the country.

11. Data Management & Dissemination shall be through Operational Directorate- Mission-III of respective Regions and for entire country through Mission –III [HQ]. For MRA-NE the Final Report Processing, Dissemination and Archiving will be done in respective Operational Directorates of Mission-III in Regions. The Coal & Lignite National inventory shall also be compiled by Mission-III with active collaboration with Technical Directorates of NRA-E. There shall be one dedicated Directorate for 'Report Processing, Archival and Data Management' under Mission-III for Coal data. This is necessary to maintain the legacy products now under 'Coal Wing', Kolkata and for the reason of being the nodal agency towards formulation of national program of coal & lignite exploration including annual Resource Updating.
12. Personnel of Natural Resource Assessment-Energy shall draw Salary and Allowances from CHQ, Kolkata till such time that the ADG, Mission-II is made HOD. All logistic support will be provided by ER to the Natural Resource Assessment - Energy and its Directorates.
13. All Labs presently attached with Coal wing will merge with Eastern Region. However, Gr. C & D staff attached with such Labs will retain seniority till retirement and the post will be subsequently transferred to Eastern Region. Seniority will be maintained by Natural Resource Assessment Division.
16. The projects under Environmental, PGRS, Petrology, Palaeontology, Map & Cartography, and Publications, Geophysics etc. presently under Coal shall be immediately taken up by operational directorates of respective Missions in respective Regions. C&D staff in those offices will remain at their present stations and they will retain seniority, as at present till natural attrition subsequently the post will be transferred to respective region.
17. Staff belonging to Survey, Drawing, Drivers, Finance, Administration etc. and other Miscellaneous streams presently attached with Coal

Wing shall be merged with Eastern Region at Kolkata. However, they will retain respective seniority till the post is vacated through natural attrition subsequently the post will stand transferred to Eastern Region.

18. The existing Map and Publication Division under 'Coal Wing' shall be merged with Mission-III Hqrs., Kolkata and shall deal with Natural Energy Resource [Coal & Lignite] in Publication Technical Directorate under Mission-III Hqrs.
19. Creation of Shallow Subsurface Geology & Hydrology Division : A new establishment shall be created on Shallow Subsurface Geology & Hydrology Division under Mission-II directly under a DDG located at Faridabad with Technical Directorate also located at Faridabad.
  - ◆ This new unit at Faridabad shall start functioning immediately and draw up status note for programmes to be taken up under its ambit .This should be done with close interaction with Central Ground Water Board. Subsequently from 2010-11 there shall be Operational Directorates at Regional levels for program execution.
  - ◆ All logistics for the time being shall be provided by the Northern Region, Faridabad. Subsequently, Mission-II Support Systems will meet all logistic / financial / administrative support at Faridabad.
  - ◆ The main functions of the Shallow Subsurface Geology & Hydrology Division [in close collaboration with CGWB and CWC] will be :
    - ◆ Geogenic water quality assessment and its genesis
    - Flood plain aquifer mapping
    - Spring development in hilly regions
    - Impact of earthquake on GW regime
    - Assessment of GW conditions in mining areas
    - Isotope studies for GW dating and delineating recharge & discharge area
    - Deep aquifer studies

20. Each Region will have Mission-II Operational Directorates for Mineral Exploration purposes [both for Non-Energy and Energy minerals as per the Charter] to be headed by Dy. DG and will be responsible for FSP execution of Projects [items] through State Units , for this:
- Regions will be responsible for budget, personnel, physical resource management, local coordination, and execution and reporting.
  - The personnel will be under administrative control of respective Regional Head
  - All Technical Reports generated in Region will be accepted/ circulated as per policy only after clearance from Mission Head.
  - Regions to coordinate with S&T Support system for services
21. Mission-II Operational Directorate in Regions will comprise number of Project Directorates to be headed by Director/Supdtg. Geologist and number of such project directorates in a Region will vary from field season to field season and will depend upon number of Projects undertaken in a Region.
23. In charge Mission-II Operational Directorate in Regions will report to respective Technical Directorate in Mission-II for issues related to programme execution/monitoring and for issues related to logistics/finance it will report to the Regional Head.
24. In-charge of Operational Directorates in Regions will report to respective Technical Directorate in Mission-II for issues related to programme execution/monitoring and for issues related to logistics/finance it will report to the Regional Head.
25. The inventorisation of all assets in the new framework should immediately be taken up by A.P & M division and complete it in three months from the issuance of this order.

.Director General  
Geological Survey of India