

Government of India



Memorandum of Understanding

between

Central Ground Water Board
Ministry of Water Resources
Govt of India

and

Geological Survey of India
Ministry of Mines
Govt of India

on

**Sharing of 1:50,000 Scale Geological Map
Data, Hydrogeological Maps for National
Project on Aquifer Management**

11th July 2013
New Delhi

11/7/2013

MEMORANDUM OF UNDERSTANDING BETWEEN CENTRAL GROUND WATER BOARD AND GEOLOGICAL SURVEY OF INDIA

Memorandum of Understanding hereinafter referred to as MoU signed on **11th day of July, year 2013** between Geological Survey of India, 27, Jawaharlal Nehru Road, Kolkata, an Attached Office of Ministry of Mines, Govt. of India (hereinafter referred to as GSI), which expression shall include, unless repugnant to the context or contrary to the meaning thereof, its successors or permitted assignees on the first part AND Central Ground Water Board, Bhujal Bhawan, NH IV, Faridabad, Haryana, a Sub-ordinate Office of the Ministry of Water Resources, Govt. of India, (hereinafter referred to as CGWB) which expression unless otherwise proved shall include its successors, representatives and assignees on the other part.

Preamble

GSI is a premier organization carrying out geological mapping, mineral exploration and multidisciplinary programme in Earth Sciences including sponsored and societal related studies in the field of engineering geology and natural hazard mitigation etc. GSI with over 160 years of geological expertise has evolved into an organisation endowed with cultivated human resource of exceptional calibre, laboratories equipped with world class equipments and activities spreading over air, land and ocean in the specialised fields of geology, geophysics and geochemistry. GSI since its inception upto 1973 has carried out systematic ground water surveys of the country and accumulated large amount of data on geohydrology in the process.

The geospatial data collected by GSI has been compiled on 1:50,000 scale. Now these are available as stand alone maps on GSI portal as low resolution image for viewing. Many organizations working in the field of earth science need these maps for their area specific studies. GSI as per the directive and guidelines provided by the Ministry of Mines and Central Geological Programming Board is bringing out comprehensive dissemination policy and willing to share this valuable geospatial data with other Central, State and private entrepreneurs working in the field of earth science.


11/7/2013



CGWB, being the National apex organization, vested with responsibilities to carry out scientific studies, exploration aided by drilling, monitoring of ground water regime and Ground water quality, assessment, augmentation, management and regulation of country's ground water resources. It is also implementing the National Project on Aquifer Management (NAQUIM) in the country.

CGWB and GSI may at times be referred to individually as "Party" and collectively as the "parties" whereas CGWB and GSI have agreed upon to co-operate in the areas of geo-scientific data sharing. The activities to be undertaken in this cooperation, Role of GSI & CGWB, time frame and other conditions of the collaboration are given below:-

1. Title of the Programme

"Sharing of 1:50,000 Scale Geological Map Data, Hydrogeological Maps for National Project on Aquifer Management"

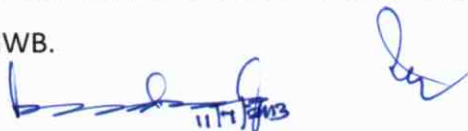
2. Objectives

- Sharing of available 1:50,000 Scale map data (comprising Lithological and structure layers) with CGWB. CGWB to share Ground water quality and aquifer mapping data generated out of NAQUIM with GSI.
- Planning a common programme for GSI and CGWB by using the resources available with both the organizations.
- To cooperate and facilitate sharing of geo-scientific data available with both the organizations for sustainable development of ground water resources.

3. Role of GSI

Geological Survey of India will execute the following:

- i. Sharing of 1:50,000 Scale digital map data (Lithological and structure layers) for the project specific areas for aquifer mapping i.e. almost entire country with CGWB as per dissemination policy. Map data will be provided free of cost. Cost of the number of CD/DVD'S used in data sharing will be charged from CGWB.

Handwritten signature and date 11/11/2013

- ii. Sharing of scientific published and unpublished reports, surface and subsurface hydrological and water quality data with CGWB as per dissemination policy. Necessary undertaking for procurement of maps/reports/ digital data product etc. shall be followed.

4. Role of CGWB

Central Ground Water Board will execute the following:

- i. Sharing of surface and subsurface Geo-scientific data with GSI.
- ii. Sharing of scientific publication and unpublished reports with GSI.
- iii. CGWB shall furnish the areas of NAQUIM to GSI for providing 1:50,000 scale geological map data.
- iv. CGWB to share aquifer mapping data generated out of NAQUIM with GSI.

5. Joint Responsibilities

- i. The GSI & CGWB scientists may be provided with possible logistics from both the organizations during the interactions.
- ii. Publications or value addition to GSI map data, if any will be done with the prior consent of GSI and shall be sole property of GSI and CGWB. Use of GSI map data will be suitably acknowledged. Logo of GSI should also be placed suitably on such publications.
- iii. CGWB will share all the data in digital format with GSI generated out of NAQUIM.

6. Final Outcome

This work will add value to the 1:50,000 scale map data of GSI. The final outcome will be an integrated Aquifer Map which will further enhance geological understanding, earth process and add to the layers of GIS data set besides addressing the specific requirement of CGWB.


11/7/2013



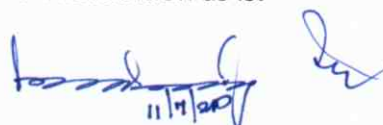
7. Validity

The MoU shall be effective from the date on which it is executed by the parties and may continue for a period of two years and may be extended by mutual consent. The MoU may be terminated at any time by mutual agreement on one month's notice at any time by either party.

8. Team Members

Central Ground Water Board	Geological Survey of India
Member (SAM)	Addl. Director General (M-III), Kolkata
Member (WQ&TT)	DDG (M-IIC), GW & Sub-surface hydrology, Faridabad
All Regional Directors	DDG, NR, SR, WR, CR, ER and NER
	RMH-III, NR SR, WR, CR, ER and NER

9. The data generated at CGWB and GSI during the said study in this MoU, shall be owned jointly by CGWB and GSI.
10. 1:50,000 Scale Map Data provided by GSI will not be shared with third party without the prior approval of GSI. The data provided by CGWB will also not be shared with third party without the prior approval of CGWB. Parties also agree not to utilize the shared data for any kind of commercial purpose without prior explicit permission of other party.
11. 1:50,000 Scale map Data provided by GSI will be used only for the purpose for which it has been acquired. The data provided by CGWB will also be used by GSI for their internal use.
12. Both parties acknowledge the confidentiality of the information which may be transferred between the parties or obtained or developed during the course of this exchange from time to time as being essential to this MoU and agree not to disclose the same to any third party or any outside parties. However, each party shall be free to disclose this information as is:



- Required to be disclosed by official authorities in accordance with applicable law or regulation.

13. While the parties agree to co-operate and otherwise act in good faith with the view to the successful implementation, **there is no financial binding on either party** (Other than incidental charges of Media). This MoU is intended to mutual understanding of the Parties hereto as at the date thereof.

14. Any notice, request or other communication required or permitted to be given under this MoU shall be in writing in the English language and shall be delivered in person or by recognized courier service or facsimile at addresses as follows or the authorized persons of two organizations to be notified separately:

IF to CGWB

Chairman
Central Ground Water Board
Bhujal Bhawan
NH-IV, Faridabad
Phone No. 0129-2419075
Fax – 0129-2412524

IF to GSI

Director General
Geological Survey of India
27, Jawahar Lal Nehru Road
Kolkata
Phone No.- 033-22861676
Fax- 033-22861656

15. The parties acknowledge that this MoU is constituted for sharing of 1:50,000 scale map data of GSI for the specific project (NAQUIM) of CGWB and sharing of data generated out of these project with GSI. This MoU shall supersede all previous oral and written communications, representations and undertaking between the parties on this issue.



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16. Each of the Parties recognizes that the successful implementation of this MoU to the mutual satisfaction and benefit of the both parties will require a significant degree of cooperation and good faith on behalf of both Parties. Each of the Parties resolves to act in good faith and in accordance with the spirit of this MoU to implement the provisions in accordance with the mutual desire and in the interest of the Parties.

17. ARBITRATION

Except as otherwise provided elsewhere in the contract in the event of any dispute or difference relating to arising from or connected with the contract, such dispute or difference shall be mutually discussed between the parties and will be finalized to the satisfaction of both the parties. Further, if need arises, dispute may be referred to Secretary, MoM and his decision will be final and binding to both the parties. This MoU is subject to the Law of the land. Any clause not specifically mentioned herein is subject to the rules and regulations in accordance with Law.

18. LIABILITY

Both GSI and CGWB shall ensure that the data will be used only for the purpose it is being shared and the data will not be transmitted to other than bonafide users.

19. ENTIRE CONTRACT AND AMENDMENTS

This MoU will be signed along with attached signed addends and / or subsequent agreements, which will constitute the entire agreement between the GSI and CGWB. No prior written or oral representations shall be binding and all amendments and / or subsequent agreements shall be in writing and signed by a party of equal position as those of the executing parties hereto.

Handwritten signatures in blue ink. The signature on the left is a cursive name, and the signature on the right is a stylized 'S'. Below the left signature, the date '11/7/2017' is written.

IN WITNESS WHERE OF the Parties hereto have duly executed this MoU.

The 12th Day of July Year Two Thousand and Thirteen.

For CENTRAL GROUND WATER BOARD by

Sushil Gupta
11/7/13

Name

सुशील गुप्ता/SUSHIL GUPTA
अध्यक्ष/Chairman
केन्द्रीय भूमि जल बोर्ड/Central Ground Water Board
जल संसाधन मंत्रालय/Ministry of Water Resources
भारत सरकार/Government of India
एन. एच. IV, फरीदाबाद/N.H. IV, Faridabad

Title

In the presence of

Witness

R.C. Jain
DR. R. C. JAIN
Member (SAs) 11/7/2013

S.K. Jain
11/7.13
(Dr. S. K. Jain)
Super Hydrogeologist

For GEOLOGICAL SURVEY OF INDIA by

A. Sundaramoorthy
11/7/2013

Name

ए. सुन्दरामूर्ती
A. SUNDARAMOORTHY
महानिदेशक / Director General
भारतीय भू- वैज्ञानिक सर्वेक्षण
Geological Survey of India
नई दिल्ली / New Delhi

Title

In the presence of

Witness

S.K. Wadhawan
11/7/13

Dr. S.K. Wadhawan
By DG PSS-PEM, CHD

S.K. Wadhawan
11.7.2013

By DG Mission-IIc
GSI Faridabad