



Memorandum of Understanding (MoU)

Between

National Institute for Geo-Informatics
Science & Technology,
Survey of India (SOI),
Uppal, Hyderabad
Telangana -500039.

And

CSIR-National Geophysical Research Institute,
Hyderabad, Telangana 500007.

Memorandum of Understanding

Memorandum of Understanding (MOU) dated 04-09-2024 between Survey of India (Sol) through Additional Surveyor General, National Institute for Geo-Informatics Science & Technology (NIGST), Hyderabad with its principal place of business at Hathibarkala Estate, Post Box No.37, Dehradun, Uttarakhand – 248001 and the CSIR-National Geophysical Research Institute (NGRI), with its principal place of business at Habsiguda, Hyderabad, Telangana.

RECITALS

WHEREAS:

- Survey of India (hereinafter referred to as "Sol"), the overarching nodal Agency for Geospatial data under the Department of Science and Technology, is the oldest scientific department of the Government of India. It was set up in 1767 and has evolved with rich traditions over the years. In its assigned role through National Geospatial Policy-2022, the Survey of India, bears a special responsibility to ensure that the country's domain is explored and mapped suitably to provide foundational geospatial data for expeditious and integrated development and ensure that all resources contribute their full measure to the progress, prosperity and sovereignty of the country. The primary responsibility of SOI is to provide authoritative foundation data which includes but not limited to maintaining Geodetic Reference Frame, Orthoimagery, Elevation (DEM), Functional Areas (Administrative Boundaries) and Geographical Names (Toponymy) in collaboration with various stakeholders including the private sector by suitably aligning with the priorities of the Government of India. In addition, it is also mandated to promote the use of geospatial knowledge and intelligence through partnerships and other mechanisms by all sections of the society and work towards a knowledge-based society.
- The CSIR-National Geophysical Research Institute (NGRI) is a geoscientific research organization established in 1961 under the Council of Scientific and Industrial Research (CSIR), India's largest Research and Development organization. It is supported by more than 200 scientists and other technical staff whose research activities are published in several journals of national and international level. Research areas covered by this institute include hydrocarbon



and coal exploration, mineral exploration, deep seismic sounding studies, exploration and management of ground water resources, earthquake hazard assessment, structure of Earth's interior and its evolution (theoretical studies), geophysical instrument development and geothermal exploration.

The above organizations are hereinafter referred to collectively as the “**Parties**” and individually as a “**Party**”.

SOI and NGRI [Parties] desire to enter into a Memorandum of Understanding to collaborate in skill-building for geospatial technologies and applications, through training and collaborative research. The broad terms of this MoU are as under:

1. Purpose of the MoU

This Memorandum of Understanding (MoU) aims to establish a collaborative framework to foster collaboration between SOI's capabilities in geo-informatics and mapping technologies and NGRI's expertise in geophysical research.

Through this MoU, NIGST, Sol and NGRI aim to leverage their respective strengths to create a robust platform for knowledge exchange and innovation in geospatial sciences, ultimately benefiting scientific research, resource management and societal welfare.

Parties agree that the MoU will provide opportunity to trainees getting exposed to the latest Tools/ Equipment / Software prevalent in the geophysical research and Geo-Informatics.

2. Roles and Responsibilities of the Parties

A. Under this MOU, NIGST, Sol and NGRI will:

- i. Form a joint team consisting of representatives of parties for various activities to be carried out under this MOU.
- ii. Ensure outreach and communications of the training programs.
- iii. Issue co-signed certificates to trainees upon successful completion of the training.

B. Under this MOU, the NIGST, SOI will:

- i. Establish necessary training and research collaboration based on the prescribed norms.



C. Under this MOU, NGRI will:

- i. Empanel with NIGSTs list of qualified and experienced experts in various domains, who would be willing to offer their services for training/knowledge transfer, free of cost OR at government admissible rates.
- ii. Share/ transfer the experience, expertise and best practices to SOI in pursuit of professional-level training and certification.
- iii. Provide suggestions for continuously updating content of certification courses to meet the changing needs of the programs and geospatial workforce educational requirements.
- iv. May consider NIGST and other specialized Directorates of Sol like: NGD-DR wing (erstwhile GIS&RS), NGD, G&RB and Research & Development Directorate (A new Directorate recently raised under Restructuring Program of Sol) for undertaking innovative PoC's with participation of Industry, Trainees and concerned divisions from SOI.
- v. Earnestly contribute to the Capacity Building initiatives of Sol by way of invitation to offline/online webinars/workshops/demos held from time to time.
- vi. Participate in projects involving geotechnical investigations using high-resolution LiDAR data (UAV-based acquisition and sharing) and shallow subsurface imaging including Ground Penetrating Radar (GPR) and other geophysical methods.

3. Representations and Warranties

Each Party represents and warrants to the other that:

- i. It has due authority to enter and perform this MOU.
- ii. Its performance of this MOU will not conflict with any other agreement to which parties are a party.
- iii. Its performance of this MOU will not conflict with parties Intellectual Property Rights (IPR) policy, or with any other policy or obligation binding upon parties that relates to IPR matters.
- iv. Nothing in this MoU is intended or deemed to confer any rights or benefits upon any person or entity other than the Parties hereto or render any such person or entity, a third-party beneficiary of this MoU.

4. Liaison

Each Party will appoint and maintain representatives to act as liaison with the other Party. Parties will inform each other the names, designations, and contact details of their representatives through email.



5. IPR and Confidentiality Policies

Each Party agrees:

- i. To respect and abide by the IPR and confidentiality policies of the other Party.
- ii. In the event that the Parties engage in any activities jointly to create any work / job product, that work / job product shall be jointly owned, without obligation or accounting to one another, and no license rights are granted by either Party to the other solely by reason of entering into this MOU.
- iii. Each Party will treat all materials supplied to it by the other Party that have been designated in writing as being confidential, in a manner consistent with such designation.

6. Term and Termination

- i. This MOU shall commence on the 04th September 2024 and be valid for a period of five years from that date. The parties may mutually agree to extend the time period (beyond 5 yrs.) of this agreement, if required.
- ii. This MOU may be terminated at any time without cause by either Party by giving not less than 30days' notice to the other Party of its desire to terminate.
- iii. All rights and obligations under this MOU will cease upon termination of this MoU.

7. Notices

All notices sent by a Party under this MOU shall be sent by email to the address of the other Party's liaison and shall be deemed to be effective when sent and received in the inbox of the other. Each Party shall keep the other party informed of the current email address for its liaison at all times.

8. Funding and Costs

- i. Each Party will bear its own costs and expenses with respect to its activities under this MOU, and neither Party shall have the authority to act on behalf of or to obligate the other Party (financially or otherwise) without such Party's prior written consent.
- ii. NIGST (SOI), NGRI can enter into separate definitive commercial agreements as required to facilitate the delivery of training and certification programs.

9. Public Statements

Neither Party will make any public statements regarding the details of the activities being (or to be) performed under this MoU without the approval and consent of the other Party. Parties, however, can publicly acknowledge the existence and purpose of this MoU.



10. Miscellaneous



All notices, consents and other communications required or which may be given under this MOU shall be deemed to have been duly given three-days time, after being mailed by registered or certified mail, return receipt requested, postage prepaid, or when received by the addressee if sent by facsimile transmission or by a reputed courier express delivery service (receipt requested), in each addressed to a Party at its address set forth below [or to such other address(es)] as such Party may hereafter designate as to itself by notice to the other Party hereto.


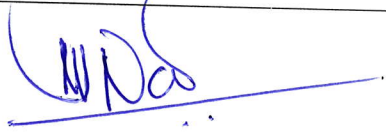
If to SOI: National Institute for Geo-Informatics Science & Technology,
Survey of India (SOI), Uppal, Hyderabad Telangana - 500039
Phone: 040-27201507
Email ID: nigst.hyd@surveyofindia.gov.in
Fax: 040-27200286
Kind Attn: Dr. M. K. Stalin, Addl. Surveyor General of India.

If to NGRI: CSIR-National Geophysical Research Institute (NGRI),
Uppal Road, Hyderabad, Telangana 500007
Email: director@ngri.res.in

In witness whereof, the Parties have caused their authorized representatives to execute this MOU as of the date first written above.

NIGST (Sol)		NGRI	
Date:	04-09-2024	Date:	04-09-2024
Signature:		Signature:	
Name:	Dr. M. K. Stalin	Name:	Dr. Prakash Kumar
Title:	Addl. Surveyor General of India	Title:	Director
Address:	NIGST, Survey of India, Uppal, Hyderabad Telangana - 500039 Email: nigst.hyd@surveyofindia.gov.in	Address:	National Geophysical Research Institute Uppal Road, Hyderabad, Telangana 500007 Email: director@ngri.res.in

Witness 1	
NIGST (Sol)	NGRI
Date: 04-09-2024	Date: 04-09-2024
Signature: 	Signature: 
Name: Er. T. P. Mallik	Name: Dr. Anand Kumar Pandey
Title: Deputy Surveyor General	Title: Chief Scientist

Witness 2	
NIGST (Sol)	NGRI
Date: 04-09-2024	Date: 04-09-2024
Signature: 	Signature: 
Name: Sh. Bhaskar Sharma	Name: Dr. M. J. Nandan
Title: Officer Surveyor	Title: Chief Scientist