



GAUHATI UNIVERSITY

A NAAC 'A' GRADE INSTITUTION

GOPINATH BARDOLOI NAGAR, JALUKBARI
GUWAHATI-781014 (ASSAM)
WWW. GAUHATI.AC.IN



SUPPORTING DATA

NAAC 4TH CYCLE OF ACCREDITATION

PROVIDED BY-

IQAC, GAUHATI UNIVERSITY

CRITERION 3

Assessment term: 2018-2023

Sub criterion 3.7

Collaborations



Memorandum of Understanding

The Department of Electronics and Communication Engineering of National Institute of Technology Silchar, (hereinafter called as NIT Silchar) and Department of Electronics and Communication Engineering of Guwahati University Institute of Science and Technology, Guwahati, (hereinafter, called as GUIST, Guwahati), are hereby signing this Memorandum of Understanding, (hereinafter called as MoU), on this seventh day of August, 2019 for Collaborative Research Activities in the related field of Electronics and Communication Engineering.

The broad scope of this MoU is as under:

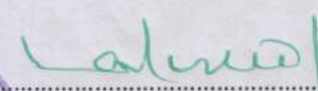
1. Joint Research Collaboration
2. Joint Supervision of PhD/PG/UG students' projects.
3. Joint Sponsored Research Project Proposal submission to various funding agencies.
4. Research Internship for UG/PG students
5. Joint publication
6. Joint Patent/TT/PoC/IPR etc.
7. Joint organization of research specific Seminar/Workshop/Conference etc.

The agreement will be valid for 03 Years from the date of signing this MoU. Both party may terminate the provision of this MoU by giving a notice of 3 months from either side.

The research activities under this MoU will be as per the Regulations/Norms and Guidelines of both the institutes.

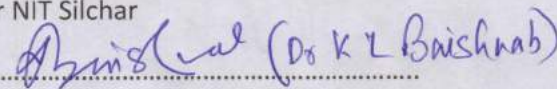
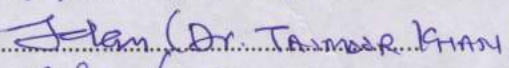
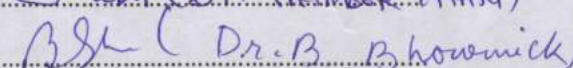
All legal disputes that may arise out of the operation of this MoU will be within the jurisdiction of Competent Courts of law in the State of Assam.

Signed by:

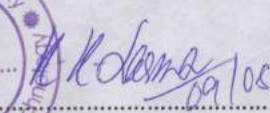

Head of the Department
Department of Electronics and
Communication Engineering
NIT Silchar

Witness.

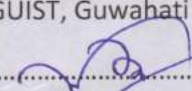
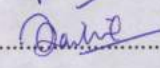
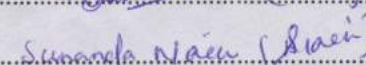
For NIT Silchar

1.  (Dr. K. L. Baishnab)
2.  (Dr. Tanmay Kumar)
3.  (Dr. B. Bhowmick)




Date : 09/08/2019
Head of the Department
Department of Electronics and
Communication Engineering
GUIST, Guwahati

For GUIST, Guwahati

1.  (Manab Deka)
2.  (Pranjal Saikia)
3.  (Sumanta Nain)

Please Distribute to the Addressee as Marked(-)



Government of India
Department of Atomic Energy (DAE)
Board of Research in Nuclear Sciences (BRNS)

Dr. Ashok Pandey
Programme Officer (URM)

BRNS Secretariat, 316-C,
3rd Floor, CFB, BARC,
Trombay, Mumbai-400085
Phone: +91-222594566
Email: ashokk@barc.gov.in

No: 52/14/04/2019-BRNS/

104173

Date: 25 JUL 2019

OFFICE MEMORANDUM

Sub: R/P entitled "Geochemical and mineralogical appraisal of basement and intrusives in Garo Hills, Shillong plateau" under Dr. Pranjit Hazarika, Assistant Professor, Department of Geological Sciences, Gauhati University, Gopinath Bardoloi Nagar, Guwahati, Assam, 781014. bearing sanction 52/14/04/2019-BRNS with URM (CDP-2), BRNS.

On the recommendations of the Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval and sanction of the President of India for the captioned project for 3 years beginning from financial year 2019-2020 with a total grant of Rs. 32,04,100/- (Rupees thirty two lakh four thousand one hundred only) for the project as under :

Item of expenditure	Year 1 (2019-2020)	Year 2 (2020-2021)	Year 3 (2021-2022)
Equipments	1000000	0	0
Staff Salary - JRF	372000	372000	0
Staff Salary - SRF	0	0	420000
Consumables	170000	170000	20000
Travel - PI	70000	70000	70000
Contingencies	20000	20000	20000
Overheads	120900	45900	38250
Total(INR)	1752900	677900	568250

Note: * Optical Microscope

JRF salary calculated @ Rs.31,000/- p.m. for first two years and on redesignation by committee on in third year as SRF @ Rs.35,000/- p.m.

Please note that as per the government orders under **Direct Benefit Transfer (DBT) scheme, the staff salary has to be transferred to his/her bank account.** Accordingly, Aadhar Number(UID) of the appointed staff, Bank Account details and the Mobile number linked to the bank account should be obtained and it should be intimated to this office.

Overheads calculated @ 7.5% of the other heads except contingency. The remaining 7.5% towards overheads (Rs. 2,05,050/-) shall be released only on meeting the requirements specified (See Annex-B).

- I am also pleased to convey the sanction of the President of India to incur an expenditure of Rs. 17,52,900/- (Rupees seventeen lakh fifty two thousand nine hundred only) towards grant for the year 2019-2020 .
- The expenditure involved is debit to: 04 3401 00 004 27 0231.
- This is issued with the concurrence of the competent authority in the Department.

Ashok Pandey
25.7.2019

Dr. Ashok Pandey

Pay & Accounts Officer, DAE, Mumbai - 400 001.




GUWAHATI ASSAM

19AA 295269

**MEMORANDUM OF UNDERSTANDING BETWEEN
OIL INDIA LIMITED
AND
GAUHATI UNIVERSITY, GUWAHATI**

Memorandum of Understanding is made on the 5th day, in the month of July, 2017 at Guwahati in the year two thousand Seventeen between

OIL INDIA LIMITED a company incorporated under the Companies Act, 1956 in India and having Registered Office at Duliajan, Assam-786602 & Corporate Office at OIL House, Plot.No.19 Sector-16A, Noida, Uttar Pradesh-201301, India, represented through its Executive Director (CoEES), hereinafter, referred to as "OIL" which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns.


07/07/17

অধীক্ষক
উপাচার্যী বিশ্ববিদ্যালয়, গুৱাহাটী
Registrar
Gauhati University, Guwahati-14

And

Gauhati University, a premier institute of the State of Assam, established under Gauhati University Act, 1947, represented through the Registrar, Gauhati University, hereinafter, referred to as 'GU' which unless repugnant to the context would include their successors, assignees, agents and executors on the other part.

OIL and GU shall hereinafter referred individually as "party" and collectively as "Parties"

Whereas:

- A. **OIL** is a Navaratna Company under the Ministry of Petroleum & Natural Gas, Government of India, engaged in the business of exploration, production & transportation of crude oil & natural gas, extraction of liquefied petroleum gas and generation of wind and solar power in India and also having participating interest in hydrocarbon acreages in few other countries.
- B. **DEPARTMENT OF GEOLOGICAL SCIENCES, GU** has been pursuing the research on the areas of petroleum geology, sedimentology, palaeontology, coal, remote sensing, structure/tectonics and environmental studies and is willing to undertake the collaborative Research Programme with **OIL** as set out in details here under.
- C. Both OIL and GU recognize that there are complementary strengths and with a view to synergizing the respective strengths, the Parties agree that there is scope for mutual collaboration. The Parties also acknowledge complementary advantages available by virtue of which joint efforts can be made to establish mutual collaboration considering the business need of each other.
- D. WHEREAS OIL and GU are intending to collaborate in the following projects

Project1:"Study of hydrocarbon potential, depositional environment and geological mapping of the Disang-Barail transitional sequence in Assam, Nagaland and Arunachal Pradesh"

Project2:"Integrated palynofacies and magnetostratigraphic study of Bhuban Formation in some selected outcrops exposed in the central part of Mizoram"



গোষ্ঠী
পরিচালক
Registrar
Gauhati University, Gauhati

Rubor Dui

NOW IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

Article-1 SCOPE OF THE PROJECTS

Project 1: this project is proposed to study the area covering the Schuppen Belt and the Inner Paleogene Fold belt of Assam-Arakan Basin. Also, this project deals with the organic geochemical and petrographical characters of the Disang-Barail transition of Assam and Nagaland to establish its hydrocarbon potential and depositional environment in different parts of the basin. The data will also be used for understanding depositional environment and facies variation in the Eocene-Oligocene Disang-Barail Sea. The various analyses and information are to be integrated with the geological understanding of the area.

Project 2: As southern extremity sub basin and extension of Kohima Synclinalorium of Assam Arakan Basin, Mizoram sub basin is known for its occurrences of clastic sequence Barail Group, Surma Group, Tipam Group and Recent Alluvium. Out of those sequences Surma Group developed extensively followed by Barail Group, Tipam and Alluvium development. Surma Group of rock in Mizoram sub basin is also lithostratigraphically subdivided into two formations of which Bhuban Formation is older and BokaBil Formation is younger. The main object of this study is to establish a high resolution stratigraphy of Bhuban formation on certain observable characteristics in Mizoram using magneto stratigraphic study.

ARTICLE-2 OBJECTIVES OF PROJECTS:

Project 1:

- a) Lithological mapping and construction of the lithological column along at least four road sections across the Naga Schuppen Belt and Inner Paleogene Fold Belt.
- b) Collection of subsurface samples for the organic geochemical and petrographic study from a depth of one meter by coring.
- c) Study of organic geochemistry and petrography of the Disang-Barail rocks sampled from the road sections.
- d) Study of depositional environment of the Barail-Disang transition based on the organic geochemistry and petrography.
- e) Study of organic matter types and maturity of the rock formations.



গোহাটী বিশ্ববিদ্যালয়, গুৱাহাটী
Registrar
Gauhati University, Guwahati-14

- f) Preparation of organic matter richness and maturity maps of the proposed study area.
- g) An attempt would be made to understand the transitional boundary between the Disang and Barail groups based on organic geochemistry and petrography
- h) Preparation of geological maps of the entire region with inputs from other Investigators and already published geological maps and literatures.

Project 2:

- a) To study lithofacies characteristics of Bhuban Formation in some selected outcrops exposed in the central part of Mizoram, NE India and geological mapping of the same.
- b) To study the palynofacies characteristic of the Bhuban Formation of the mapped sections.
- c) To generate magnetostratigraphic data base for the studied sections of the Bhuban Formation.

Article-3 JOINT COORDINATION TEAM

- a) For the purpose of coordinating the activities between the parties under this MoU and to explore opportunities relating to each mutually agreed activity, a Joint coordination Team, herein after referred to as "JCT" shall be formed upon execution of the MoU
- b) The mandate of JCT shall be outlining the technical scope of work, ascertain commercial aspects, defining project timelines and deliverables thereof.
- c) The JCT will comprise of six members with 4 members nominated from OIL and 2 members nominated from GU.
- d) The JCT shall endeavor to take decisions unanimously.
- e) The JCT will be in constant touch through electronic medium and shall meet atleast twice a year to identify and firm-up specific projects/activities.

Article-4 CAPITAL ITEMS

The items/Instruments, procured for use during the project by GU and which are capital in nature may be returned to OIL after completion of the Projects. OIL however may decide to offer these items to the University/Institute as a goodwill gesture.

Ruba Devi



Registrar
Guanahati University, Guwahati

Article-5 CONFIDENTIALITY

- 5.1 Subject to each Party's confidentiality undertaking in the relevant agreements entered with their respective third party(ies), the Parties, their affiliated parties and their respective nominees / employees or consultants may during the course of implementation of various projects / activities covered under this MoU having access to proprietary information of the other Party considered confidential, classified, restricted or secret, whether specified to be confidential or not required under this MoU. The Parties undertake that they or their respective nominees / employees / authorized agents shall at all times protect the confidentiality of such information.
- 5.2 Each party shall remain liable for the breach of obligations under this Article by its nominees / employees / authorized agents. The Parties hereto shall cause their respective nominees / employees to protect the confidentiality of the said information.
- 5.3 Without limitation to the foregoing, each of the Parties agree that it shall not divulge any commercial, trade or technical information of the disclosing Party marked as confidential to the third parties, without prior consent of the disclosing Party which shall not be unreasonably delayed or withheld, except if:
- a) At the time of, or after the disclosure, such information is, or comes, in public domain, due to reason other than breach of confidentiality by the receiving Party;
 - b) Such information was in the possession of the receiving Party without any commitment to keep such information as confidential as prior to the disclosure by the disclosing Party;
 - c) Disclosed to receiving Party by a third party, which as per the knowledge of such Party, is not bound by any confidentiality obligation towards any other Party, after disclosing Party has disclosed such information;
 - d) Disclosure is required under applicable law – judicial or quasi judicial order or direction from any regulatory or administrative authority.
- 5.4 No Party shall, except without prior consent of the other Party, use, disclose or reproduce any information contributed to or resulting from the projects / activities for any purpose other than the pursuit and the development of the project. The aforesaid confidentiality undertaking shall survive the termination of this MoU and shall remain valid and in full force and effect for a period of 3(three) years from the effective date of such termination.
- 5.5 Notwithstanding above, the university/ faculties/project assistants along with OIL however, may publish technical papers based on the acquired data in the field.

Rabir Datta



Registrar
Cuwahati University, Cuwahati

Article-6 INTELLECTUAL PROPERTY RIGHTS

- 6.1 The Intellectual Property (IP) arising out of collaborative projects / activities undertaken under this MoU shall be jointly held in the name of OIL and GU wherein OIL will be the first Party, mentioning inventors from both the sides. OIL will be responsible to file, maintain and defend the IP against any claim and / or possible encroachment using its resources. However, technical support if required to defend any claim and / or possible encroachment will be provided by GU.
- 6.2 The right to first use of IPR / Patent / Technology developed through this collaboration for its commercial exploitation shall rest with OIL and its subsidiaries.
- 6.3 Both the Parties shall have full right to transfer / assign / license the product / process technology developed to a third party after prior written consent of the other Party. In case of generation of profit by its uses from any third party, the same will be shared between both the Parties in equal proportion after recovery of expenses / investments in developing the product / process technology by the Parties.

Article-7 RESPONSIBILITIES

- 7.1 As the intent of the Collaboration involves research programme of a very collaborative nature, the OIL and the GU will each be responsible for conducting their portion of the collaborative research and will be specified in the individual projects to be undertaken in accordance with high scientific standards of science and technology.
- 7.2 Neither the OIL nor the GU will be responsible to the other party for any losses that either party may suffer during the research work or from using the results of the collaborative research.
- 7.3 Both the OIL and the GU will be individually responsible for insuring their own premises, equipment and personnel for any claims that may arise from conduct of the collaborative research and from use of the results of the collaborative research.

Article-8 DURATION AND TERMINATION

- 8.1 The MoU will be effective on the date of signing by the last party ("effective Date") and shall remain valid for an initial period of 3(three) years unless terminated by either party or extend mutually, in writing by giving 60(sixty) days advance notice.

Ruben Dini



গুৱাহাটী বিশ্ববিদ্যালয়
Registrar
Guwahati University, Guwahati-781005

8.2 After termination of the MoU, either Party shall not claim any damage/ compensation/loss on account of termination of the work, however termination of MoU shall no way affect ongoing Projects.

8.3 In the event of termination, OIL and GU shall take all necessary steps to effect the orderly completion/termination of the projects/activities in progress in accordance with respective obligations governing the implementation.

8.4 Upon termination, no Party shall use the confidential information, assimilated during operation of this MoU for developing Projects/activities of similar nature and competitive to business interests of other Party within 2(Two) years from the effective date of termination of this MoU. However, Parties may use the confidential information required for the purpose of completion of ongoing Projects.

Article-9 PAYMENT TERMS AND CONDITIONS:

OIL shall make payments to GU as per the agreed rates and terms referred below.


9.1 GU shall submit three (3) sets of all invoices to OIL for processing the payment.

9.2 GU shall raise invoices as per the payment schedule given below for the jobs done which is certified by JCT members.

9.3 OIL shall within 30 days of receipt of the invoice notify GU of any item under dispute, specifying the reasons thereof, in which event, payment of the disputed amount may be withheld until settlement of the dispute, but payment shall be made of undisputed portion within 30 days. Processing and payment of undisputed invoices shall not preclude OIL from raising any dispute at a later date if discrepancies are noticed subsequently.

9.4 GU shall maintain complete and correct records of all information on which GU's invoices are base upto two years from the date of last invoice. Such records shall be required for making appropriate adjustments or payments by either party in case of subsequent audit query/objection.

9.5 The rates that are agreed by the parties and payable by OIL to the GU towards full and proper completion of the mentioned two projects in line with the provisions of this MoU are as follows:


পৰ্বতী
কেন্দ্রীয়
পরিচালক
Registrar
Bauhatti University, Guwahati

Ruban Dui

Project 1 cost details:

SI No	Head	Rate	Total
1	Fieldwork expenses, including hiring vehicle, TA & DA of the Project Investigators and Project Assistants, visit to laboratories, hiring man power, local facilitator etc.	@ Rs. 1.5 lakhs per section for 4 lithological sections	6,00,000/-
2	Salary for Project Assistants	Rs. 20,000 + 15% HRA for 2 project assistants for 2 years	11,04,000/-
3	Equipments Portable hand drill with Accessories		3,00,000/-
	Pulverizing machine, minor equipments and accessories		2,00,000/-
	A Laptop computer		65,000/-
4	Contingency (including cost of Lab and office consumables, minor equipments, secretarial assistance etc.), report preparation	Lumpsum	3,00,000/-
	RockEval, GC-MS/Ms, Elemental analysis and Organic Petrography	Analysis will be carried out at CoEES, Guwahati	
5	Hiring services of a person trained in Geoinformatics (with M.Sc. in Geology) for digitization and map compilation, hiring service of Consultants for reviewing works done by different universities and meeting the cost of compilation of all works done by the different universities under the Industry-Academia project of the Oil India Ltd.	Lump sum	5,00,000/-
6	Total		30,69,000/-
5	University overhead	@ 10% of total	3,06,900/-
6	Grand total		33,75,900/-

Project 2 cost Details:

SI No	Head	Rate	Total
1	Fieldwork expenses, including hiring vehicle, TA & DA of the project investigators and project assistants, visit to laboratories, hiring man power, local facilitator etc.	Lump sum	5,00,000.00
2	Salary for Project Assistants	Rs. 20,000 + 15% HRA for 2 Project Assistants for 2 years	11,04,000/-

Ruba Dini

[Signature]

অধ্যাপক
জিয়াউর রহমান
Registrar
Jahat University, Guwahati-781005

3	Equipments		3,50,000/-	3,50,000/-
	One Portable hand drill with tools			
	One Laptop		70,000/-	70,000/-
	One Digital camera		35,000/-	35,000/-
	One Fume Hood		1,50,000/-	1,50,000/-
4	Magnetostratigraphic sample analysis (costs including TA and DA for visiting laboratories and sample preparation and analysis)	Lump sum		3,45,000/-
5	Contingency (including cost of Lab and office consumables, minor equipments, glassware's, secretarial assistance etc.)		5,00,000	5,00,000/-
6	Total			30,54,000/-
7	University overhead	@10% of total		3,54,000/-
6	Grand total			33,59,400/-

Article-10 PAYMENT SCHEDULE:

Payment to GU shall be made by OIL as under against invoices of each project to be raised in triplicate. All payments shall be made through bank in favor of the Registrar, Gauhati University.

Sl No.	Phase	Activities	Time Schedule for each phase	Amount to be paid after completion of each phase
1	Phase 1	Signing of MoU, Lab visit, recruitment of Project Assistant, Base map preparation and purchase of equipment	Within 1 month of start of the project	30% of total
2	Phase 2	Purchase of equipment and geological fieldwork	Within 4 months of start of the project	20% of total
3	Phase 3	Lithological mapping and construction of the lithological column along selected road sections; sample collections, organic geochemical, petrographical and palynological analysis of samples; submission of annual progress report,	Within 12 months of start of the project	20% of total
4	Phase 4	Lithological mapping and construction of the lithological column along selected road sections; sample collections, organic geochemical, petrographical and palynological analysis of samples; magnetographic sample analysis	Within 18 months of start of the project	20% of total

Ruba Devi

[Signature]

Registrar
Gauhati University

5	Phase 5	Correlation of lithological sections, preparation of geological maps, submission and Integration of final reports (All Universities' project)	Within 24 months of start of the project	10% of the total
---	---------	---	--	------------------

Article-11 SETTLEMENT OF DISPUTES AND JURISDICTION

11.1 In the event of any difference or dispute arising out of interpretation or application of the provisions of this MoU, the parties shall immediately consult each other with the view to expeditiously resolve such differences or disputes spirit of mutual understanding and co-operation. In case differences or disputes persist, the differences/disputes shall be referred to senior management of Parties for further review. In the event, the Parties cannot resolve the differences within 45(Forty-five) days, the dispute(s) shall be referred to a Sole Arbitrator to be appointed by OIL with the consent of the GU as per the provisions of Arbitration and Conciliation Act, 1996. The decision of the arbitrator shall be final and binding upon both the parties. The Place of Arbitration shall be Guwahati.

11.2 The Courts of Guwahati shall have the sole and exclusive jurisdiction to adjudicate ant dispute arising out of and during the continuation of the MoU.

Article-12 NON BINDING OBLIGATIONS

It is understood and agreed by the Parties that the understanding set out in this MoU embody the declaration of the intentions of the Parties and are not intended to be any legally binding commitments of the Parties except the obligations under Confidentiality and Arbitration.

Article-13 RESOLUTION

13.1 The parties resolve to act in good faith and in accordance with the spirit of MoU to implement the provisions in accordance with the natural desire and interest of the Parties. No amendment to this MoU shall be valid unless made in writing and agreed by the both Parties.

13.2 Each Party enters into this MoU as an independent Party and not as Partner, representative, agent or employee of the other. This MoU does not create or constitute either Party to be a Joint venture, partnership, agent, employee or fiduciary of the other.

গৰাউ বিশ্ববিদ্যালয়, গুৱাহাটী
Registrar
Guwahati University, Guwahati

Suba Dini

Article-14 NOTICES

Any notices, under this Memorandum of Understanding / Agreement will be delivered as follows:

FOR OIL

Executive Director (CoEES)

Oil India Limited

Rukminigaon G S Road, Guwahati 781022

FOR GU

Registrar

Gauhati University,

Guwahati-781014, Assam

Now, therefore, this Memorandum of Understanding is executed and signed in the presence of following witness(s) on the day, month and year cited herein above.

For and on behalf of
Oil India Limited

Signature:

In the presence of:

कार्याकारी निर्देशक
Executive Director (CoEES)
ऊर्जा अध्ययन का उत्कृष्ट केंद्र
Centre of Excellence for Energy Studies
ऑयल इंडिया लिमिटेड
OIL INDIA LIMITED
गुवाहाटी/Guwahati-781022

For and on behalf of
Gauhati University

Signature:

In the presence of:

Witness

1.

Neeraj
(N. Mathur)

2.

Ranj
(Rajmoni Saikia)



Witness

1.

Prag
T. 05/07/2017
(PRAG PHUKAN)
Head
Dept. of Zoology, Gauhati University

2.

Dr. (Dwi) Pradyumn
ASSOCIATE PROFESSOR
Department of Anthropology
Gauhati University

MEMORANDUM OF UNDERSTANDING

TITLE: Collaboration for Academic and Training Programs

This Memorandum of Understanding (MoU) entered on this day the 07.05.2019
BETWEEN

Geological Survey of India Training Institute with its headquarters at Hyderabad - 500 068 represented by Dy. Director General & Head, Mission -V, GSI Training Institute, Hyderabad (hereafter referred to as 'GSITI')

AND

Gauhati University with its main campus at, Jalukbari, Guwahati, 781014, Assam, India represented by its HOD, Department of Geological Sciences (hereafter referred to as 'GU')

Whereas

1. Geological Survey of India, established in 1851, is a premier Earth science organization in the country. It has offices spread all over India with modern laboratory facilities and more than 3000 professional Geoscientists working in the organization. The Geological Survey of India Training Institute (GSITI) was established in 1976 for imparting professional training to the newly recruited Geoscientists and later expanded to conduct basic, refresher and advanced training programmes for the Geoscientists of GSI in the geoscientific domains like Mapping, Mineral Exploration, Laboratory Techniques, Drilling and on issues of societal relevance like Landslides, Disaster Management, Environmental Studies, etc.
2. Guwahati University is among the prestigious universities in India, It is the foremost centre of higher education in the entire north-east region of India. It was established in the year 1948. The university comprises 39 Post Graduate Departments, besides IDOL (Institute of Distance and Open Learning) and a constituent Law College. It has 341 affiliated colleges offering undergraduate and post graduate courses in the faculties of Arts, Science, Commerce, Law, and Engineering. Gauhati University is a member of the Association of Indian Universities and the Association of Commonwealth Universities. The National Institutional Ranking Framework (NIRF) ranked Gauhati University 61st overall in India and 39th among universities in 2018.
3. This collaboration will facilitate GU and GSITI to exchange faculty and scientists in areas of common interest to impart lectures to the students and trainees. GU being degree awarding institute recognizes GSI as research institute with all its well established laboratories (geochemical, geophysical, petrological, ore geology, paleontological, geochronological, geotechnical, geoinformatics, photogeology & remote sensing etc.,) located at various places. Thus both the institutes will collaborate in research of common interest and to supervise students leading to Master's and Ph. D degrees, as per rules and regulations of GU as applicable from time to time.

Chakraborty Rao
07/05/19

ngmahanta

4. Both parties being legal entities in themselves desire to sign this MoU for advancing the interests of Earth sciences and other areas of interest.

Now therefore, GSITI and GU have mutually agreed to collaborate with each other in Teaching, Research and Training in the broad areas of Earth Sciences and any other areas of mutual interest. In consideration of the mutual promises set forth in this MoU, the parties hereto agree as per following terms of collaboration:

5. Terms of collaboration:

- 5.a) Geological Survey of India Training Institute (GSITI) and GU agree to enter into detailed agreement, with a defined objective, specifying the scope of work and mutual obligations, terms and conditions, financial arrangements, Intellectual Property Rights and similar contractual obligations.
- 5.b) In case either party wins a consultancy project by projecting this MoU, a liability is created immediately in respect of royalty/premium due to either party. Either party shall concur with the liability to the extent of contribution to the output of the project. The exact amount of liability will be arrived at after mutual consent by both the parties based on GSITI and GU guidelines.
- 5.c) GU would provide provision for registration for Ph.D. and thereafter awarding the degree to the geoscientists of GSI as per the rules and regulations laid out in GU M.Phil/Ph. D. regulations 2016
- 5.d) There will be mutual academic and research interaction/collaboration of the faculty of GU and GSI as per the need and specializations.
- 5.e) Outcome of the research work in the form of peer-reviewed journal publications / Ph. D thesis would be credited to both the institutes.
- 5.f) Technical, financial and administrative requirements which may crop out in future would be sorted out by mutual agreement of both the institutes.

6. Dispute resolution

In the event of any dispute under this MoU, authorized representatives of GSITI and GU shall meet not later than fifteen (15) working days after receipt of notice by either party of request for dispute resolution and shall enter into good faith negotiations aimed for resolving the dispute.

7. Confidentiality

- 7.a) All materials and information provided to a party by the other party or acquired by a party on behalf of the other party, whether oral or written recorded magnetic media, cards or otherwise, shall be regarded as confidential information in accordance with the applicable laws and ethical standards.

Chuvakathara Rao 3
07/05/19

rgmshata

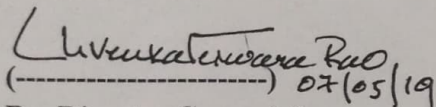
- 7.b) Each party shall take all necessary steps to safeguard the confidentiality of strategic materials or information. Neither party shall use the confidential information of the other party for purpose other than those contemplated hereunder.

8. Intellectual property

Nothing contained in this MoU shall, by express grant, implication, or otherwise create in either any right, title, interest or license in or to intellectual property (including but not limited to know-how, inventions, patents, copyright, designs, etc.) of the other party.

9. Validity of the MoU

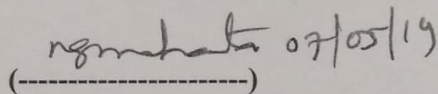
This MoU is valid for a period of five years with effect from the date of signing of this MoU and can be renewed further for a specified period by mutual consent. The signature of each party's duly authorized representative below shall evidence the agreement of such party that this MoU accurately summarizes its understanding with respect to the subject matter hereof.


(-----) 07/05/19

Dy. Director General &

Head, Mission -V

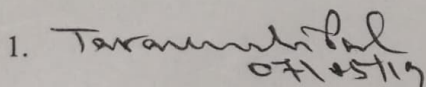
Signed for and behalf of GSITI)

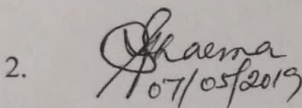

(-----) 07/05/19

Registrar GU

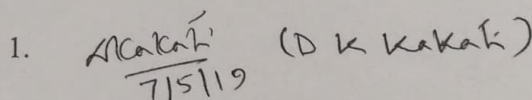
Signed for and behalf of GU

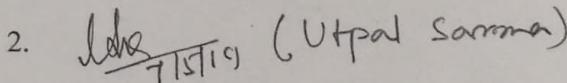
Witnesses:

1. 
07/05/19

2. 
07/05/2019

Witnesses:

1. 
7/5/19 (D K Kakati)

2. 
7/5/19 (Utpal Samma)

Annexure-I

The terms and conditions for GSI officers/scientists enrolled for Ph. D. programme at Gauhati University inter alia includes:

- i. **Selection criteria:** The GSI will identify prospective candidates from the pool of officers on its own who are posted at NER during registration and will be continuing the posting upto the completion of Ph. D.

These candidates will have to qualify the GURET (Gauhati University Research Eligibility Test) held during May-June each year. However, any candidate who has cleared the CSIR/UGC-JRF will be exempted from appearing in GURET.

- A candidate working in GSI and registered for Ph. D. at Gauhati University is expected to carry out maximum research work at his/her parent organisation.
- GSI may sponsor the candidates for Ph. D. at its discretion, who have been in employment for at least two years at the time of Ph. D. admission. These sponsored candidates will be exempted from producing NOC from employer for admission.
- Gauhati University being the degree awarding institute recognises / accepts the GSI laboratories across the country at par with other national labs./institutions viz., CSIR, DST, Govt. of India labs/institutions and the Ph. D. candidates sponsored by GSI may carry out their research in these labs.
- GSI may identify a Co-guide (or Co-supervisor) for respective candidates from its pool of officers and forward their biodata for consideration as per procedures laid out in the GU Ph. D. regulations 2016.

ii. **Course work**

The GSI candidates enrolled for Ph. D. will have to mandatorily complete a course work of six month duration within two years of his admission as per clause 6.1 of the GU Ph. D. regulation 2016. This course work period may be the period of residency for the candidate.

Fee structure:

The following fee structure is applicable as in April, 2019. However, the GSI candidate will have to pay the revised fee if any, notified subsequently.

Admission fee	: 19,000.00
Course work fee	: 1,000.00
Ph. D. extension (if any)	: 1,110.00
Thesis submission	: 5,520.00
Viva voce	: 5,500.00
Monthly fee	: @Rs. 600.00 per month for the entire duration of research
Ph. D. Guideship application fee	: 550.00

Unnikrishnan Rao
(-----) 07/05/19

**Dy. Director General &
Head, Mission -V**

Signed for and behalf of GSITI)

Witnesses:

- Tarun Kumar Pal*
07/05/19
- Prasanna*
07/05/2019

Ramchandra 7/5/19
(-----)

Registrar GU

Signed for and behalf of GU

Witnesses:

- Dr. K. K. K. K.*
7/5/19 (D K K K K)
- Utpal Sarma*
7/5/19 (Utpal Sarma)



स्वर्णजयंती
GOLDEN JUBILEE



भारतीय जन संचार संस्थान
(सूचना एवं प्रसारण मंत्रालय, भारत सरकार)
INDIAN INSTITUTE OF MASS COMMUNICATION
(MINISTRY OF INFORMATION AND BROADCASTING, GOVT. OF INDIA)

Dr. Surbhi Dahiya
Associate Professor & Head
AD&PR Department, IIMC
Co-Principal Investigator, JGJ Project

File No. : IIMC/Res/JGJ/05/2016
Dated: May 05, 2017

Dear Dr. Ankuran Dutta,

This is in reference to the letter no. IIMC/Res/JGJ/05/2016 dated 28.04.2017 regarding collaboration with the Departments of Communication and Journalism, Gauhati University, Guwahati for the above mentioned project.

A detailed document referred to as 'Terms and Conditions for Collaboration-TOR' is also attached herewith for reference. You are requested to sign and send back the scanned copy of the TOR at decare.iimc@gmail.com.

A team consisting 2-3 IIMC Officials is visiting Guwahati for the field work in the 2nd/3rd week of May, 2017 (tentatively 14th-19th May, 2017). The department is requested for the following:

- 1) Share the name and contact details of the Supervisors (2-3), preferably Faculty/Ph.D scholars
- 2) Share the list of Investigators (Research scholars and PG students from Mass Comm./Social Science) with their contact details with IIMC at decare.iimc@gmail.com
- 3) Identification of field area as indicated in the attached TOR and sharing the details with us latest by 9th May, 2017.
- 4) Identification and sharing the contact details of NGOs/Lawyer/Legal Experts (atleast 5 each) working in the area of consumer awareness/Rights
- 5) We are sending you 3 documents (Household Schedule, Retailers – Questionnaire and Focus-Group Discussion) for translation. Kindly get it translated in your regional language latest by 9th May, 2017
- 6) Arrangement of training room and accommodation of IIMC team at University Guest House for 5-6 days (Training room - upto Rs.3000 per day and accommodation between Rs. 1000-2000 per day per room).

Kindly refer the attached TOR for more details on technical and financial terms. A line of acknowledgement will be highly appreciated

With Regards,

Yours sincerely,

(Dr. Surbhi Dahiya)

Dr. Ankuran Dutta
Department of Journalism,
Gauhati University
Gopinath Bordoloi Nagar,
Guwahati, Assam 781014

MEMORANDUM OF UNDERSTANDING
FOR ACADEMIC COOPERATION, EXCHANGE, RESEARCH AND DEVELOPMENT

This agreement effective this 1st day of November 2016 by and between

Gauhati University (GU), Gopinath Bordoloi Nagar, Guwahati-781014, India and

Saint-Petersburg Electrotechnical University "LETI" (SPETU), 197376, Saint-Petersburg, Professora Popova str., 5., Russian Federation

The work contemplated by this agreement is that **GU** and **SPETU** will work together and enable mutual exchange and sharing of resources for academic excellence in diverse disciplines for the benefit of the academic community of the two countries and people in general. Now, therefore, in consideration of the promises and mutual covenants herein contained, the parties hereto agree to the following:

1. **GU** and **SPETU** will facilitate exchange of faculty members as per requirements and convenience to provide quality education to the students of the region. The exchange maybe part of courses / programmes / invited lecture series etc.
2. **GU** and **SPETU** will facilitate use of resources at respective institutes for the teaching, research and betterment of academic environment of the region. This will include activities under project / dissertation works, PhD programmes, joint research works etc.
3. Assets like class-rooms, seminar halls, laboratories and related equipment, libraries, community halls, play-grounds etc. in each institute maybe shared and utilized by both **GU** and **SPETU** as per requirements and convenience by following the rules at the respective institutions.
4. **GU** and **SPETU** shall process the exchange of faculty members, staff and students and sharing of resources under the MoU as per the rules existing at respective institutions and will be routed through proper channels and work towards execution of joint research projects.
5. In case of any dispute, the parties shall resolve by mutual discussion. This is valid for ten years. If no contention is found to be arising, this agreement shall continue between the parties concerned.

Agreed to:

This agreement is being signed between the competent authorities from both the organization.



Vice-Rector for Research
Dmitry V. Gaivoronsky

Date: 09.11.2016

Place: Saint Petersburg, Russian Federation

গৰ্হীক্ষক
গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১৪
Registrar
Gauhati University, Guwahati-14

Registrar, Gauhati
University, Guwahati-14
Date: 08-11-2016

MEMORANDUM OF UNDERSTANDING

PREAMBLE Whereas, Department of Biotechnology, Gauhati University is charged with responsibility of training technical and scientific manpower in various front-line areas of importance for the Nation and northeast India is also contributing to the rapidly growing scientific and technological knowledge and professional excellence in Science & Technology by undertaking industrial & applied research and consultancy.

WHEREAS, Trinity Fructa Private Limited is engaged in manufacturing of electrolyte drink, research, design and development and consultancy in the field of ready to serve fruit based drinks and related fields. WHEREAS, both Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited, now

- Recognizing the importance of research and development in the areas food science and technology, as well as imparting industrial training to the technology/sciences students, etc.
- Appreciating the need for creation of large reservoir of highly qualified manpower in all fields related to food science and technology.
- Desiring to club their efforts by pooling their expertise and resources,

INTEND to form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and sciences with special emphasis on food and beverages and related fields etc.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited hereby acknowledge and agree to sign a memorandum of understanding (MOU).

Contd....



ARTICLE-I:

SCOPE OF THE MOU This MOU details the modalities and general conditions regarding collaboration between Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited for enhancing, within the country, the availability of highly qualified manpower in the areas of Biotechnology without any prejudice to prevailing rules and regulations in Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited without any disregard to any mechanism evolved and approved by the competent authorities under Govt. of India in so far as such mechanism applies to Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited. The areas of cooperation can be extended through mutual consent.

ARTICLE-II: SCOPE AND TERMS OF INTERACTIONS

Both Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited shall encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation as per the rules of the respective institute, for limited periods as mutually agreed upon;
- b) Organization of joint conferences and seminars;
- c) Practical training of Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited
- d) Joint guidance of student projects/thesis in food science and technology and other areas of national and regional interest at Department of Biotechnology, Gauhati University and Trinity Fructa Pvt Ltd on mutually agreeable terms.
- e) Trinity Fructa Private Limited would accommodate M.Tech/MSc students in such a number that deems convenient to it for the purpose of imparting industrial training.
- f) Trinity Fructa Private Limited may depute its personnel as visiting faculty at Department of Biotechnology, Gauhati University to teach any of the regular Course or specialized topics.
- g) Further, Trinity Fructa Private Limited may request to design and teach a Course or Courses which it deems fit to enhance quality and performance of its employees. Such Courses maybe run at any mutually convenient premises.
- h) Trinity Fructa Private Limited may seek assistance/guidance of Department of Biotechnology, Gauhati University faculty member/s in product/process modification, modernization, trouble shooting, etc.
- i) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment, instrument, etc

Contd.....



j) Trinity Fructa Private Limited may showcase its business activities at the seminar/ workshop/ conference, etc. at Department of Biotechnology, Gauhati University.

k) INDUSTRY may avail library, Internet, computational facilities at Department of Biotechnology, Gauhati University.

l) There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.

m) Both Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited will be free to independently carry out follow-up research on the thesis work conducted under this scheme.

n) If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.

ARTICLE-III :

SHARING OF FACILITIES

a) Department of Biotechnology, Gauhati University and Trinity Fructa Pvt Ltd shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.

b) Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective Head of academic department/section.

c) Department of Biotechnology, Gauhati University and Trinity Fructa Private Limited shall provide access to the library facilities to scientists, members of faculty and students as per the prevailing rules and norms in the respective institutes.

d) The collaborative programme between Department of Biotechnology and Trinity Fructa Private Limited shall be coordinated by a coordination committee appointed by Directors of both the Institutes.

Contd.....



ARTICLE-IV: EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of its approval by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of 5 years from the effective date.
- c) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a programme under the MOU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of Trinity Fructa Private Limited and Department of Biotechnology, Gauhati University.
- e) Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.

Paula
20-2-2020
Head, Department of Biotechnology
Gauhati University
Guwahati-78104

Dr. K. N. Singh
Competent authority of Industry


Witness:

1. Sujy
20-2-2020
(Dr. Sujy Bose)

2. Hridip Kumar Sarma
(HRIDIP KUMAR SARMA)

1. Opinder Deo

2. Rajnish Saikia

3. Mk
(Dr Mohammad Intiqas Khan)



Memorandum of Understanding

Between

Oil India Limited

&

Gauhati University, Guwahati

Adi Or

Memorandum of Understanding

This **Memorandum of Understanding** (hereinafter referred as MoU) is entered into on this Nineteenth day of March 2019.

Between,

Oil India Limited (OIL), Government of India, incorporated under the Companies Act 1956, having its registered office at Duliajan in the State of Assam (hereinafter referred to as "OIL", which term where the context so admits shall include its successors and assigns) of the ONE PART

And

The Gauhati University, represented by **Registrar**, Gauhati University, Gopinath Bordoloi Nagar, Guwahati-781014 (hereinafter referred to as "GU" which term where the context so admits shall include its successors and assigns) of the OTHER PART.

GU and OIL hereinafter also referred to individually as Party and collectively as Parties as per the context.

Whereas

1. In line with Start-up Mission of GOI, OIL has launched OIL Start-up fund. In collaboration with GU, OIL has agreed to nurture and incubate new ideas related to oil and gas sector to create an entrepreneurial mind set and fresh thinking amongst employees, stakeholders and public for revitalizing corporate culture. The industry and technology is progressing at a very rapid pace and it is imperative for the OIL to keep abreast with the latest technology. It is therefore essential that GU and OIL work together to implement the best technological solutions in the interest of OIL and the nation. The OIL Start up fund is specifically created to encourage innovation and entrepreneurship with specific emphasis in northeast part of India.

2. GU has expertise in the areas of Computer Science and Engineering, Electronics Engineering, Geological Science, Bio Science and Bio Engineering, Chemistry, Physics, Instrumentation etc. The expertise of Gauhati University could be utilized for incubation and development of applications / products for enhancing the operational capabilities of OIL in the fields of E&P industry.

Oil India

Registrar

ARTICLE-1 : SCOPE OF MoU

3. This MoU defines a formal understanding between OIL and GU for utilization of expertise of GU along with the services provided Technology Incubation Centre of GU (hereinafter referred to as "GU-TIC" which term where the context so admits shall include its successors and assigns) for supporting new start up entities for enhancing the operational and functional capabilities of OIL in the fields of E&P industry.

4. OIL intends to use the incubation facilities of GU-TIC to support some new start up entities which work on problem specific to OIL with the help of GU on mutually agreed terms and condition which will be defined separately.

ARTICLE-2 : DEFINITIONS

5. Subject to the context thereof, the following words and expressions shall be construed and interpreted so as to have the following meanings:

- (a) "Agreement" means and include this MoU and the Annexure(s) or Appendices hereto or any modification or amendment(s), if any.
- (b) "MoU" means and it governs all the terms and conditions mentioned hereafter, agreeing on mutual basis in writing among the "parties" for supporting new start up entities, form, procedure covering entire gamut of their activities from entry into GU -TIC till their exit from GU-TIC.
- (c) "Exit from GU-TIC means and includes the fulfilment of exiting procedure from GU -TIC as per the incubation agreement signed while entering to GU-TIC.
- (d) "Procedure for entering into GU-TIC" means and includes the invitation for proposal from perspective innovators/interested groups, review & selection of the proposals for incubation at GU-TIC.
- (e) "Third Party" means any other party(s) who is not a party defined in this MoU.

ARTICLE-3: TERMS AND CONDITIONS

6. The terms and conditions of this MoU are given below:

- (a) The MoU shall be effective from the date of signing by both OIL& GU and will remain in force for a period of five (5) years from the date of signing the MoU. On completion of two (2) years, the MoU may be reviewed by the parties, if required.
- (b) OIL will identify its requirements for enhancing the operational and technological capabilities of OIL and accordingly publish the Call For Proposals (CFP). GU together with OIL will review the received proposal and do the review and finalize a list of proposals for support.

- (c) Selected proposals will be considered as OIL supported start up to be incubated at GU-TIC as per the terms and conditions of GU-TIC. OIL along with the selected start up entity will identify a faculty member from GU as a mentor for the start up entity.
- (d) A Progress Review Committee (herein after called PRC), duly constituted by the Registrar, GU and CMD OIL, shall monitor the progress of the Start up regularly and give necessary recommendations.
- (e) OIL will directly provide the necessary information and required technical know-how to the promoters the start up entity.

The incubating support from GU side is indicated below:

- 24hrs electricity and
 - Water supply
 - Lab/office furniture
 - Conference room-furnished/unfurnished with ICT
 - Training room-furnished/unfurnished with ICT
 - Canteen facility
 - High speed internet connectivity/Wi-fi facility
 - Computational facility-computer hardware/software
 - Printer / scanner / copier etc.
 - Digital library resources
 - Maintenance and security arrangement
- (f) The commercial terms and conditions for implementation of this MoU shall be decided mutually in a separate agreement entered between the parties. OIL supported start up housed in GU-TIC can avail funding from "OIL Start up Fund" directly from OIL and GU-TIC will take processing charges from OIL against each OIL supported start up.
- (g) Each party shall nominate its representative who shall be the single point of authority on behalf of the party representing (hereinafter referred to as Representative Authority) for communicating all the decisions to and on behalf of each party. Each party is free to change or reappoint such Representative Authority on its behalf with a notice to the other party. All notice, request, demand, approval consent or other communications provided or permitted hereunder shall be in writing and given by personal delivery or sent by registered/Speed post or by fax/email addressed to the Representative Authority.
- (h) Any modification/additions/deletions to this MoU can be made only with the mutual consent of the OIL and GU, recorded in writing and duly signed by the authorised representatives of the parties. The modification /changes shall be effective from the date on which they are made/executed, unless otherwise agreed to.



- (i) Authorised representative and their address for both the parties of this MoU are:

Director - Exploration & Development
Oil India Limited
OIL HOUSE, Plot 19,
Sector 16 A, NOIDA-201301
Email: ded@oilindia.in

And

Registrar,
Gauhati University, Guwahati-781014
E-mail : registrar@gauhati.ac.in

ARTICLE - 4: CONFIDENTIALITY

7. The parties will maintain strict confidentiality and all the information and data exchanged/generated related to any project under this MoU for any purpose other than in accordance with this MoU, or without the written permission of the parties is not allowed. GU will not disclose data/result/finding or part thereof, to any third party, under any circumstances whatsoever.

ARTICLE - 5: DISCLAIMER

8. Each Party shall be solely responsible for its own acts and omissions (and the acts and omissions of its employees and other agents) and neither Party shall have the authority nor shall purport to act for, or legally bind, the other Party in any transactions with a third party except as agreed in writing by the Parties.

ARTICLE - 6: NO BINDING OBLIGATIONS

9. It is understood and agreed by the Parties that the understanding set out in this MoU embody the declaration of the intentions of the Parties and are not intended to be any legally binding commitments of the Parties.

ARTICLE - 7: DISPUTE RESOLUTION

10. In case any dispute, difference, disagreement arises between, the parties hereto or their representatives or assignees, in connection with construction, meaning, operation, effect, interpretation of the agreement or breach thereof, which parties are unable to settle mutually, shall be referred to a committee of two members, one each from GU and OIL. The respective members of appropriate level shall be nominated by CMD of OIL and Registrar, GU. The decision of this committee shall be final and binding on both the parties.

Arshad Dey

ngmahata

ARTICLE - 8

11. Both the organisations shall perform their roles in strict compliance with applicable laws in India along with rules and regulations of Governments as applicable.

ARTICLE 9: FORCE MAJURE

12. Neither GU nor OIL shall be considered deficient in performance of their obligations under the terms of this MoU, if such performance is prevented or delayed for any causes beyond the reasonable control of the affected party as war, hostilities, revolution, riots, civil commotion, strikes, lockouts, epidemic, fire, explosion, flood, earthquake, or because of any law and order proclamations thereof or because of any act of god or any other cause beyond the control of the parties which could not have been foreseen or avoided.

ARTICLE 10: TERMINATION CLAUSE

13. This MoU would be deemed to be terminated if either or both of the parties do not fulfil their obligations as elucidated In the Agreements to be executed for ensuring Implementation this MoU in letter and spirit or on completion of the tenure stated in this MoU.

14. In the event of cessation of this MoU on its expiry or earlier with mutual agreement, both the parties shall be relieved of their obligations under this MoU.

Name and address of the Contact person at Gauhati University

1. **Registrar, Gauhati University, Guwahati-781014,**
Ph: 8876038485, E-mail : registrar@gauhati.ac.in
2. **Prof. Kandarpa Kumar Sarma**
Coordinator, Technology Incubation Centre, Gauhati University
Guwahati-781014
Ph. 9401454994; E-mail: kandarpaks@gauhati.ac.in

Name and address of the point of contact at Oil India Ltd.

Sri Deb Ranjan Banerjee
CGM & Asset Manager, Western Asset
Oil India Ltd., Duliajan-786602, Ph :9435039098
e-mail : debranjan@oilindia.in, debranjan1959@gmail.com

Abul Sayid

registrar

IN WITNESS HEREOF, the duly authorised representatives of the Parties execute and make this MoU effective as of the first date shown above.

For and on behalf of GU

Signature: [Signature] 19/3/19

Name: NANI G. MAHANTA

Designation: Registrar, GU

For and on behalf of OIL

Signature [Signature]

Name: Dr. R. DASGUPTA

Designation: Executive Director - CA

Witnesses 1:

[Signature]
19/3/19

KANDARBA KUMAR SAMRA

Witnesses 2:

[Signature]
19.03.19



असम ASSAM

E 163367

Memorandum of Understanding

This Memorandum of Understanding (hereinafter referred to as MOU) is made this 12th of June, 2019

between

Assam Startup – The Nest, through IIM Calcutta Innovation Park (IIMCIP), registered as a Section 8 company and having its office at IIM Calcutta, Diamond Harbor Road, Joka, Kolkata 700104, India

And

Gauhati University, having office at Jalukbari, Guwahati, Assam 781014 herinafter referred to as Spoke .

Assam Startup – The Nest, GNB Road, Ambari, Guwahati and it's affiliates, hereinafter together shall be referred to as “Parties” and individually as “Party”.

Tranjal Kumar

14/06/19

NOW THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AS UNDER:

1. Background and Purpose:

a) Background:

The Assam Government has launched the Assam Startup Policy to promote entrepreneurship and the growth of startup culture in the state. To implement the policy, the Government has recently initiated the "Assam Startup" program, which aims to catalyze the startup movement in the state by motivating the youth to become job creators and providing necessary ecosystem support so that they may pursue their entrepreneurial dreams. A key element in this program is the state incubation center named "Assam Startup - The Nest", at Guwahati. The Assam Startup - The Nest is conceptualized as the hub for entrepreneurship development in the state and would facilitate district level entrepreneurship development with the support of the entrepreneurship development centers or incubators located within the institutes across the state. The Government has invited IIMCIP to be a knowledge partner for the initiative and manage the operations of the Assam Startup - The Nest.

b) The Objective:

This engagement will support the objectives mentioned in the Assam Startup Policy:

- a) Create a state-wide inclusive entrepreneurial ecosystem;
- b) Promote entrepreneurship, create awareness, and motivate the youth;
- c) Provide physical and virtual incubation services;
- d) Create 1000 startups in 5 years time;
- e) Create 1 lakh direct and indirect employment;
- f) Facilitate External Funding for startups.

2. Understanding between the two Parties

- a) Both parties acknowledge the need to create an ecosystem for promoting innovation and entrepreneurship and are interested in partnering to further this cause.
- b) There is a need to inculcate an entrepreneurial/problem-solving mindset among the students.
- c) Both parties understand and shall strive towards creating a support structure within an academic institution, so that students can nurture innovative entrepreneurial ideas.

3. Roles and Responsibilities of Assam Startup – The Nest:

- a) Assam Startup– The Nest shall facilitate creation of a network of Entrepreneurship Development Cells and Competency Centers located within the academic institutions.
- b) Promote and facilitate the setting up of Entrepreneurship Development Cells (EDC) within the academic institutions which do not have one.

Tranil Kumar

12/6/19

- c) Carry out capacity building of Entrepreneurship Development Cell personnel under "Train the Trainer" program, free of cost.
- d) Conduct district level Outreach events to promote entrepreneurship at the grassroots level.
- e) Conduct Networking meets for the Spokes to facilitate interaction between the institutions and leverage the strength of each other.
- f) Conduct state level B-Plan Contest / Startup Hunt for start-ups.
- g) Provide Incubation support (physical / virtual) to advanced level startups selected through the contests / hunts.
- h) Provide access to common resources like mentors, experts, and investors.

4. Responsibilities of Spoke :

The Spoke shall,

- a) Create a formal Entrepreneurship Development Cell or leverage existing Entrepreneurship Development Cell / Incubator to conduct Entrepreneurship Awareness and Motivation workshops / talks to encourage students to participate in entrepreneurship related activities.
- b) Help in conducting Outreach programs within the respective districts.
- c) Conduct Hackathons or ideation events to encourage students to come up with ideas.
- d) Provide support to the students with innovative ideas.
- e) Organize an Annual conference and Business plan contest to identify and recognize the budding entrepreneurs.
- f) Facilitate student interaction with startups.
- g) Make best efforts to support startups from the region with knowledge and access to resources (e.g. incubation facility, technology labs), so that innovative ideas can be transformed into successful business ventures.
- h) Take care of the expenses for conducting the internal programs or contests.
- i) Take care of the cost of travel, boarding, and lodging (if applicable) for the personnel attending capacity building or networking meets at the Assam Startup - The Nest.

5. Non Exclusivity

The relationship of the parties under this MOU shall be non-exclusive and both the parties, including their affiliates, subsidiaries, and divisions, are free to pursue other agreements or collaborations of any kind.

6. Validity and Termination

This MOU is for an initial period of 2 years and may be amended or terminated earlier by a mutually written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

Travis C. ...

12/14/19

7. Assignment

It is understood by the Parties herein that this MOU is based on the professional competence and expertise of each party, and hence, neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

8. Amendment

Amendments to this MOU may be made at any time through the mutually written consent by the parties concerned.

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.


9. Legal Jurisdiction

Any dispute arising out of the activities of the parties involved shall be subjected to the jurisdiction of the Gauhati High Court only.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

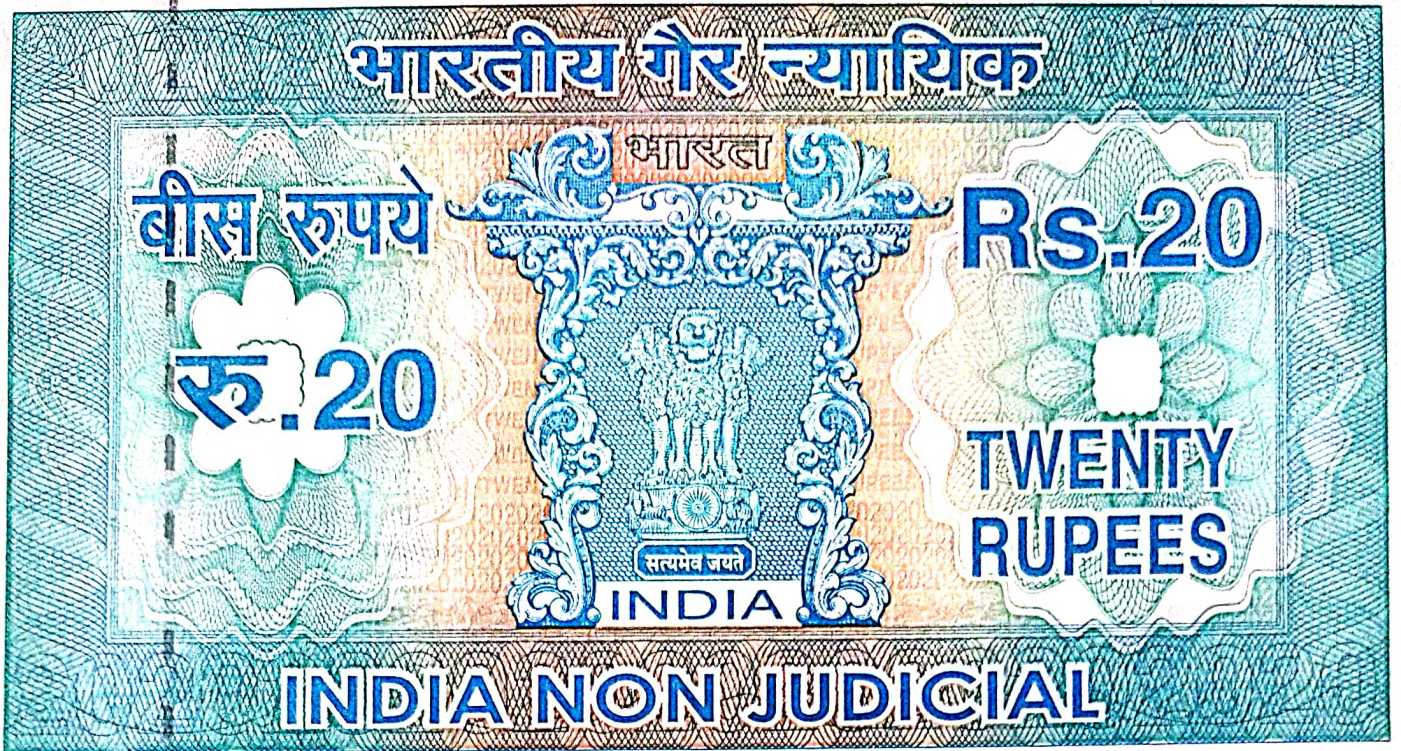
Signed for and on behalf of
Assam Startup – The Nest

Signed for and on behalf of
Gauhati University

Pranjal Konwar
12/05/2019

IIM CALCUTTA
INNOVATION PARK

Mr. Pranjal Konwar
COO - Assam Startup - The Nest
IIM Calcutta Innovation Park

পঞ্জীয়ক
গুৱাহাটী বিশ্ববিদ্যালয়, গুৱাহাটী-১
Registrar
Gauhati University, Guwahati-
Nanigopal Mahanta
12/05/19
Prof Nanigopal Mahanta
Registrar
Gauhati University



অসম অসম ASSAM

23AA 024627



This CONTRACT ("Language Translation and Proof Reading of the IEC Materials Under The Mission Directorate, Swachh Bharat Mission –Gramin, Assam") is entered into on the 31st date October 2019 by and between the Mission Directorate, SBM (G), Assam ("the Client") having its principal office located at O/o Chief Engineer, Assam, Hengrabari, Guwahati – 781036, and Head of the Department of Linguistics, Gauhati University, Guwahati 781014, Assam ("the Consultant") having its principal office located at Gauhati University, Guwahati 781014.

Head of the Department of Linguistics and Mission directorate, SBM-G, Assam, understands and agrees that this agreement is being signed only for the assignment "Language Translation and Proof Reading of the IEC Materials" Under The Mission Directorate Swachh Bharat Mission (Gramin), Assam as per the terms and conditions laid in Annex-I.

This agreement is effective from the date of its signature and continues in effect until any Participant decides to discontinue its Participation in this agreement, by giving notice in writing.

This agreement may be modified through the mutual, written consent of the Participants.

Signed in duplicate at Guwahati, the 31st October, two thousand and nineteen, in the English languages.

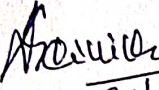
Department of Linguistics
Gauhati University
Guwahati-781014, Assam

Head
31.10.2019

Chief Engineer (PHE) Sanitation
Assam, Hengrabari
Guwahati-36

On behalf of the organization I represent to sign this agreement.

For SBM-G, Assam:

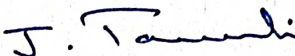

31/10/2019

(Signature of Authorized
Representative) Name:
Designation:
Organization: SBM(G), Assam
Date:
Place: Guwahati

Chief Engineer (PHE) Sanitation
Assam, Hengrabari
Guwahati-36

(Seal)

For HOD, Linguistic Department,
Guwahati:

 31.10.2019

(Signature of Authorized
Representative) Name: Jyoti PRAKASH TAMUL
Designation:
Organization: HOD, Linguistic
Department
Date:
Place: Guwahati

Head
Department of Linguistic
Gauhati University
Guwahati-781014, Assam
(Seal)

Annex-I
Terms and Conditions

1. Background:

1.1 Public Health Engineering Department (PHED) of the state of Assam is mandated to the core responsibility to supply safe water and providing sanitation facilities to the people in rural areas of the state. The Chief Engineer (PHE), Sanitation, Assam, oversees the implementation of Swachh Bharat Mission-Gramin in the state.

To accelerate the efforts to achieve universal sanitation coverage in a time bound manner in mission mode, the **Prime Minister of India, Shri Narendra Modi**, launched the Swachh Bharat Mission (SBM) on 2nd October, 2014, with the goal of achieving an **Open Defecation Free (ODF) India by 2nd October 2019**, as a fitting tribute to Mahatma Gandhi on his 150th birth anniversary. The Department of Drinking Water and Sanitation manages the rural component of the Mission – Swachh Bharat Mission Grameen (SBM-G), and is the coordinating department for the overall SBM. Since the launch of the SBM, India's rural sanitation coverage has increased from 39% in 2014 to over 99% as of June 2019, and the Mission is on track to achieve its goal of an ODF India by 2019. Going forward, the SBM will focus on moving from ODF to ODF Plus, through a focus on ODF sustainability and Solid Liquid Waste Management under four major verticals: Greywater management, plastic waste management, bio-degradable solid waste management and faecal sludge management.

The state of Assam was declared ODF on 5th March 2019

1.2 In its march towards sustaining ODF status and to reach out to the diverse sections of the society with multiplicity of culture and language of the state, the Mission Directorate has adopted a scientific attitude whereby, a Comprehensive Need based Assessment survey was conducted through a professional agency across Assam to determine existing communication bottlenecks and means to address them. Voice of plurality amongst different sections of the society came up during this survey about their understanding of safe sanitation and other WASH related practices.

Based on the findings of this survey, IEC tools relating to social behavioral change communication was prepared by the Mission Directorate that comprises specific IEC handbooks, Flipcharts etc. for Community, Aanganwadi workers, School Students, Swachhagrahis etc.

2. Objectives and Proposed Activities:

2.1 The core objective of the assignment will be to go through the linguistic aspects of the materials developed under the Mission Directorate, Swachh Bharat Mission- Gramin, Assam. The proposal intends to covers various aspects related to the development of the IEC materials like Language Translation and Proof Reading in various languages prevailing in Assam.

3. Activity: Language Translation and Proof Reading of IEC Materials

As mentioned above the task will aim at fine tuning the IEC materials developed under the Mission Directorate, Swachh Bharat Mission-Gramin, Assam.

The specific objectives will be:

- i. To examine the content of the IEC materials
- ii. Language Translation and Proof reading of IEC materials like Flip Charts, Handbooks, Posters, Banners, comic books and any other tasks as assigned by the Mission Directorate, SBM(G), Assam
- iii. To identify and suggest changes in script Text Document submitted for Language Translation or any other related work.
- iv. The Mission Directorate will provide Soft/Hard Copies of the material(s) for carrying out the necessary task within a definite time frame.

Head
Department of Linguistics
Gauhati University
Guwahati-781014, Assam

31.10.2019

Chief Engineer (PHE) Sanitation
Assam, Hengrabari
Guwahati-781014, Assam

4. Operational Framework of the Activity: Language Translation and Proof Reading of IEC Material

4.1 Clause-1

Both the parties have agreed to carry out the above mentioned assignment as follows:

The assignment for **Language Translation and Proof Reading of the IEC Materials** under the Mission Directorate Swachh Bharat Mission -Gramin, Assam will be carried out as consultancy services by the department(s) under the supervision of Head of the Department, Linguistics, Guahati University.

4.2 Clause-2

The joint effort of both the parties may also be extended for other categories or similar nature of work of client as per the requirements of **SBM-G, Assam**

4.3 Clause-3

This Memorandum of Understanding remain in force till **31st December, 2019**, from the date of signing, however the Memorandum of Understanding could be terminated/extended by giving prior notice of **1 (One) months** from either party.

4.4 Clause-3

A. The Operational Team from Gauhati University:

- I. Programme Supervisor : The Head of the Department, Linguistics, Gauhati University
- II. Programme coordinator: Dr. Seuji Sharma, Assistant Professor, Department of Linguistics, Gauhati University. Responsible for overall coordination with SBM(G) officials related to assignments.

Language Experts:

- III. Assamese: Dr. Seuji Sharma, Department of Linguistics, G.U.
- IV. Bengali: Dr. Barun Saha, Assistant Professor, Department of Bengali, G.U.
- V. Boro: Dr. Prafulla Basumatary, Post-doctorate Fellow, Department of Linguistics, G.U.

B. Work experience certificate should be issued to the Language Experts from SBM-G so that those certificates may be produced in Gauhati University.

5. Expected outcome: Translation and Proof Reading of the IEC Materials:

The following are the expected outcome of the Job:

- i. To provide grammatically error free scripts so that the messages designed can be delivered to its intended audience in the most effective manner
- ii. To avoid and omit any words, phrases, pictures, diagrams etc. that may hurt the sentiments of any person or community

6. Deliverables:

- 6.1 Translation, and Proof Reading of the IEC Materials must be done within the stipulated time as decided by the Mission Directorate SBM-G, Assam
- 6.2 The deliverables may be submitted in the form of softcopies and hard copies (Spiral Bind) with counter signed and sealed by the HOD, Linguistic Department as desired by the Mission Directorate, SBM-G

7. Support from SBM-G:

The Mission Directorate, SBM-G will provide all the necessary IEC related materials in Hard Copies/ Soft Copies for Proof Reading/Translations or any other related task.

8. Budget: The detail Budget for the activity is at Annexure A

9. Payment:

- 9.1 All the payments will be made under the IEC component of Swachh Bharat Mission (Gramin), Assam through NEFT bank transfer subject to the availability of funds.

10. Timeline: The timeline for delivery is attached with this agreement as Annexure B

Department of Linguistics
Gauhati University
Guwahati-781014, Assam

Head
3.1.10.2019

Approved
21/01/2019
Shel Engineer (PHE) Sanitation
Assam, Hengrabari
Guwahati-36

Annexure A

Suggested rates:

Sl No	Nature of activity	Specification	Rate (INR) Per Page/ Per Unit (Tentative)
1	Translation	Per A4 Size Page Up to 500mWords	Rs. 200/-
2	Translation	Legal Size Page 500 to 1000 Words	Rs. 400/-
3	Translation	Design related Flip Chart, Banner, Posters etc.	Rs. 150/-
4	Proof reading (without modification)	Per A4 Size Page Up to 500mWords	Rs. 100/-
5	Proof reading (with modifications: content, grammatical error etc.)	Per A4 Size Page Up to 500mWords	Rs. 200/-
6	Proof reading (without modification)	Legal Size Page 500 to 1000 Words	Rs. 150/-
7	Proof reading (with modifications: content, grammatical error etc.)	Legal Size Page 500 to 1000 Words	Rs.300/-
8	Proof reading	Design related Flip Chart, Banner, Posters Hand book etc.	Rs. 100/-
9	Report submission	Per activity	Rs. 5000/-
10	Programme Coordinator	For Coordination Purpose	Rs. 1000/- Per Month

(Taxes extra as applicable)

J. 10. 2019
 Head
 Department of Linguistics
 Gauhati University
 Guwahati-781014, Assam

5.11.18
 Engineer (PHE) Sanitation
 Assam, Hengrabari
 Guwahati-36

Annexure B

Sl.No.	Nature of Work	Specification	Expected Delivery Date
1.	Proof Reading	Comic Books in Assamese, Bengali and Bodo.	3 (Three) days

Head
Department of Linguistics
Guwahati University
Guwahati-781014, Assam

S. Tanti
3.10.2019

Member
21/10/2019
Chief Engineer (PHE) Sanitation
Assam, Hengrabari
Guwahati-36

Memorandum of Understanding (MoU)

Between

**INDIAN SPACE RESEARCH ORGANISATION (ISRO)
BENGALURU**

&

GAUHATI UNIVERSITY, GUWAHATI

On

ISRO – GU Guwahati

Regional Academic Centre for Space (RAC-S)

17 July, 2019

Memorandum of Understanding (MoU)
between
Indian Space Research Organisation (ISRO)
and
Gauhati University, Guwahati
on
Regional Academic Centre for Space (RAC-S)

PREAMBLE

**The Indian Space Research Organization of the Department of Space,
Government of India, Bengaluru** *(referred to hereinafter as ISRO)*

and

Gauhati University, Guwahati *(referred to hereinafter as GU)*

Having recognized the imperative need to pursue advanced research in the areas of relevance to the future technological and programmatic needs of the Indian Space Programme and act as a facilitator for the promotion of Space Technology activities in the region and therefore;

To set up an ISRO- GU (Regional Academic Centre for Space) *(referred to hereinafter as RAC-S)* at GU Guwahati, to act as a facilitator for the space technology activities in the region, to become an ambassador for the capacity building, awareness creation and R & D activities of ISRO, in the region hereby agree to conclude this Memorandum of Understanding as follows:

ARTICLE 1

ISRO- GU Regional Academic Centre for Space (RAC-S)

- 1.1 The ISRO - GU Regional Academic Centre for Space (RAC-S) at GU, Guwahati shall pursue advanced research in the areas of relevance to the future technological and programmatic needs of the Indian Space Programme and act as a facilitator for the promotion of space technology activities in the eastern region comprising the states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland and Tripura; and shall devote its resources including human resources to this effect. The activities of RAC-S shall be

directed to maximize the use of the research potential, infrastructure, expertise and experience already existent in ISRO and GU Guwahati.

- 1.2 GU RAC-S shall also facilitate and engage other institutes of excellence in the region to take part in the capacity building, awareness creation and research and developmental activities related to space technology, space science and space applications.
- 1.3 RAC-S shall consist of Honorary Director, Regional Coordinator, faculty members, visiting scientists and experts, research personnel, technical, administrative and support staff. The number of scientific/technical and administrative/support staff shall be limited, matching with the financial and other resources that are made available for the activities of RAC-S.
- 1.4 The Centre will be headed by a Regional Coordinator, who will be identified by GU from the existing staff of GU. The Regional Coordinator of the RAC-S shall be responsible for overall management of the RAC-S, including its day - to - day functioning and recommending all expenditures under the approved budget of the RAC-S.

ARTICLE 2

MANAGEMENT COMMITTEES

- 2.1 A Joint Policy and Management Committee (*hereinafter referred to as JPMC*) chaired by Director, GU consisting with members from both ISRO and GU will be constituted jointly by Director, GU and Chairman, ISRO to guide the RAC-S. The Regional Coordinator of the RAC-S shall be the Convener of the RAC-S.
- 2.2 JPMC shall plan the promotional activities including the research programmes of common interest and periodically review such research programmes and related activities. JPMC shall be responsible for recommending the annual budget of RAC-S commensurate with the programmatic requirements.
- 2.3 JPMC may consider other matters related to RAC-S towards the pursuance of research activities, excluding the administrative matters concerning the functioning of RAC-S, though it may provide advice to the Honorary Director/Regional Coordinator of RAC-S on such matters.

- 2.4 The JPMC may also constitute expert committees of domain experts to take up technical review of projects. The JPMC shall meet as frequently as necessary, but at least once a year.
- 2.5 Apart from JPMC, a Regional Coordination Council (RCC) Chaired by Dean, GU, or a senior professor from GU with members from both GU and the associating academic institutes in the region shall be constituted by Director, GU to identify the projects and other activities to be taken up under the RAC-S. The Regional Coordinator of the RAC-S shall be the Convener of the RCC. The identified R & D projects shall be sent to the concerned ISRO/DOS Centres to get the comments/ recommendations from the centre before putting up the same to JPMC for its approval. Short term B.Tech projects and M.Tech Student projects shall be reviewed by RCC and the selected projects shall be put up to JPMC for its approval with an intimation to RESPOND & AI, CBPO Programme Office, ISRO HQ. The RCC shall meet once a year or as frequently as required.

ARTICLE 3

RESPONSIBILITIES OF ISRO

- 3.1 ISRO shall provide necessary annual grant, as recommended by the JPMC and not exceeding **₹200.00 Lakhs** in any single financial year, for the conduct of projects, promotional activities and administrative expenses of the RAC-S. Sanction and utilization of the annual grants shall be in accordance with the applicable financial rules of Government of India and release of funds shall be governed by the terms and conditions specified in the sanction orders.
- 3.2 ISRO shall permit/ authorize, as per the prevailing rules of ISRO, the visits of the regular and the visiting staff of the RAC-S to ISRO establishments, in connection with the research work/projects pursued by the RAC-S.
- 3.3 ISRO Scientists/Engineers deputed/sponsored to the RAC-S for limited periods for works related to research activities of the RAC-S, shall continue to be ISRO employees and their remunerations shall be paid by ISRO.

ARTICLE 4

RESPONSIBILITIES OF GU , Guwahati

GU will coordinate the research activities and act as the lead institute of RAC-S. GU will also engage other institutes of excellence in the area of Science and Technology in the North eastern region, as stated earlier to take part in the research and development activities of the centre. GU, Guwahati shall be responsible for:

- 4.1 Overall management of the RAC-S.
- 4.2 To identify 5 to 8 other academic institutes in the region to collaborate in the RAC-S activities. These institutes may take up joint research projects with GU. The principal investigator of the project can be from the associating institutes and the CoPI can be from GU or vice versa.
- 4.3 Getting suitable project proposals from the faculty and other associated institutes, initial evaluation by RCC and forwarding the same for expert's comments/recommendations from ISRO. Making arrangements for the presentation of the recommended proposals for approval of JPMC.
- 4.4 Projects shall be of three types. Short term projects for B.Tech Students, One year duration projects for M.Tech Students and R & D projects leading to Ph.D.
- 4.5 Short Term Projects: 3rd Year or 4th year B.Tech students shall take up short term research projects of less than one year duration in this category as part of their curriculum. 20-30 students from GU and associate institutes shall take up this assignment. Projects can be taken up individually or as a team of two students. The proposals to be submitted by the faculty of the respective institute and shall be responsible for budget management. The selection of the students for the projects shall be done by the respective institute. The required facility for carrying out the project, travel support (field work, attending conferences etc, 2nd AC fare and no DA) shall be provided under the scheme but no fellowship shall be provided to the students. Initial evaluation of these projects shall be carried out by RCC and put up for JPMC's approval.
- 4.6 Projects for M. Tech Students: In such projects the Principal Investigator shall be a faculty of the respective institute. 10-20 students of 1st year M.Tech

from GU and associated institutes shall join in these projects. The proposals shall be submitted by the faculty of the respective institute and shall be responsible for budget management. The required facility for carrying out the project, travel support (field work, attending conferences etc, 2nd AC fare and no DA) shall be provided under the scheme. The selection of the students for the projects shall be done by the respective institute. The students, who have cleared NET/GATE or equivalent qualification shall be eligible for Research Fellowship as per RESPOND JRF/ SRF Scheme. If the student is already getting any stipend, then the total emoluments should not exceed the JRF/SRF eligibility. Students who have not cleared NET/GATE and selected for the projects shall not be eligible for fellowship. Initial evaluation of these projects shall be carried out by RCC and put up for JPMC's approval.

- 4.7 R & D Projects leading to Ph.D Programme: GU and other associated Institutes shall also identify R & D projects of relevance to space programme of one to three years duration. In such projects, the principal investigator of the project shall be from the associating institutes and the CoPI can be from GU or vice versa. The PI shall be responsible for the budget management of the project. There will be provision for JRF and SRF in these projects as per RESPOND norms. Candidates, who have cleared NET/GATE or equivalent qualification from all over the country are eligible for JRF /SRF and carry out their Ph.D programme. If the student is already getting any stipend, then the total emoluments should not exceed the JRF/SRF eligibility. Initial evaluation of these projects shall be carried out by RCC and the selected projects to be forwarded for expert's comments/recommendations from ISRO, before projecting it before JPMC for its approval.
- 4.8 Providing required infrastructure (civil, electrical etc.,) and the administrative support, water, electricity supply and other support to RAC-S.
- 4.9 Making available its administrative machinery for work related to the administrative functioning of the RAC-S including:
- (a) Arranging, if necessary, civil work, electrical wiring, water lines, etc. related to the RAC-S.
 - (b) Selecting and appointing from time to time with the concurrence of the JPMC, scientific /technical and administrative staff for the RAC-S.

- (c) Providing necessary administrative and logistics support including transport, as per GU rules, necessary for the functioning of the RAC-S.
 - (d) Carry out regular maintenance of the RAC-S.
- 4.10 Utilizing, as per GU rules for Sponsored Research Projects, the grants, received from ISRO, for approved projects and activities under RAC-S, maintaining a separate audited account of these grants and submission of copies thereof annually along with Fund Utilization Certificates (FUC) to ISRO.
- 4.11 Treating the research personnel of the RAC-S including its scientists as equivalent to GU project staff for the purpose of allowing them for the use of libraries, computer centre, and other technical facilities as and when necessary.
- 4.12 Allowing, as per GU rules, hostel/residential/guest house accommodation and other welfare amenities of GU to the staff and visiting scientists of the RAC-S.

ARTICLE 5

GENERAL TERMS

- 5.1 The financial contributions of ISRO specified in Article 3.1 of this Memorandum of Understanding may be revised from time to time, as reviewed and advised by the JPMC and mutually agreed to by ISRO and GU. The actual release of ISRO grants for the RAC-S will be made as per rules and procedures.
- 5.2 The Honorary Director/Regional Coordinator of the RAC-S shall submit to ISRO, the performance and outcome report annually on the activities of the RAC-S with necessary financial and technical information as may be required.
- 5.3 Co-ordination of the activities under this MoU between RAC-S/GU, JPMC, respective ISRO Centres and Department of Space shall be done by the Respond & AI (ISRO Sponsored Research and Academic Interface) Capacity Building Programme Office at ISRO HQ.
- 5.4 Any publication, document and / or paper arising out of joint work conducted by the Parties pursuant to this MOU will be jointly owned. The use of the

name, logo and /or official emblem of the Parties on any publication, document and /or paper will require prior permission of both the Parties. It may however be ensured that the official emblem and logo is not misused.

- 5.5 All information and documents to be exchanged pursuant to the Memorandum of Understanding will be kept confidential by the Parties and will be used subject to such terms as each Party may specify. The Parties will not use the information for purposes other than that specified without the prior written consent of other Party.
- 5.6 All Confidential Information shall remain the exclusive property of the disclosing Party. The parties agree that this MoU and disclosure of the Confidential Information do not grant or imply any license, interest or right to the Recipient in respect to any intellectual property right of the other Party.
- 5.7 Unpublished information, whether oral, in writing or otherwise, discovered or conceived by the scientists or technicians and exchanged under the provisions of this MoU will not be transmitted to a third party, unless otherwise agreed by the Parties.

ARTICLE 6

INTELLECTUAL PROPERTY RIGHTS

- 6.1 Any intellectual property rights or such information / knowledge being able to sustain or create any such right arising out of the proposed institutional interactions between ISRO and GU on their joint intellectual input will be held jointly by the Parties and shall be used or assigned in terms of joint written agreement duly executed between the Parties.
- 6.2 Each Party shall inform other Party before filing for patent resulting from any of the project sponsored by the RAC-S. The expenses for filling the Patent protection in India and abroad shall be borne equally between both the parties. Any/all financial accruals due to any commercial exploitation, of this patent shall be shared equally by the parties, on a 50:50 basis.
- 6.3 Each Party will ensure appropriate protection of Intellectual Property Rights generated from cooperation pursuant to MoU, consistent with laws, rules and regulations of India (both parties are Indian Parties).

- 6.4 In case research is carried out solely and separately by the Party or the research results are obtained through the sole and separate effort of the Party, the Party concerned alone will apply for grant of IPR and once granted, the IPR will be solely owned by the concerned Party.
- 6.5 The Parties shall not assign any rights and obligations arising out of the IPR generated to inventions/activities carried out under the MoU to any third party without prior written consent of the other Party.

ARTICLE 7

MODIFICATION OR AMENDMENT

The party to this MoU may with mutual written consent of the other party modify or amend the provision (s) of the MoU in order to remove any difficulty regarding execution of the provision of this MoU.

ARTICLE 8

DISPUTE SETTLEMENT

- 8.1 Any or all disagreements/differences of opinion / disputes regarding the interpretation of the provisions of this Memorandum of Understanding shall be resolved by mutual consultation by the signatories and if necessary, in consultation with Department of Legal Affairs.
- 8.2 No payments owing to either ISRO or GU by the other shall be withheld pending resolution of any differences of opinion, unless such payment is the subject of the dispute.

ARTICLE 9

APPLICABLE LAWS AND INTERPRETATIONS

This Memorandum of Understanding (MoU) shall be governed in terms of the Indian laws including procedure established by law i.e rules, regulations and scheme framed thereunder and intended to interpret and regulate accordingly

ARTICLE 10
TENURE OF THE MoU

The tenure of this Memorandum of Understanding shall be Ten (10) years from the date of signing of this MoU. Unless opted otherwise by either of the signatory to this MoU, the tenure shall be renewed automatically for a further period of Five (5) years.

In WITNESS WHEREOF the undersigned, duly authorized thereto, have signed this Memorandum of Understanding.

Done at.....on theday of2019 in two originals.

Director, CBPO, ISRO HQ

For the Indian Space Research
Organization (ISRO)

Witness:

1. Signature :
Name :
Designation:
Affiliation:

2. Signature :
Name :
Designation:
Affiliation:

Vice Chancellor, GU, Guwahati

For the GU, Guwahati

1. Signature :
Name :
Designation:
Affiliation:

2. Signature :
Name :
Designation:
Affiliation:

**MEMORANDUM OF UNDERSTANDING
FOR A JOINT CENTRE FOR TRAINING, RESEARCH & DEVELOPMENT IN
PHYSICAL SCIENCE, CHEMICAL SCIENCE, AND MATHEMATICAL SCIENCE
BETWEEN
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA (IISER-K)
AND
UNIVERSITY OF GAUHATI (GU), GUWAHATI, AXOM ("ASSAM")**

This Memorandum of Understanding (MoU) for a joint centre for training, research & development has been entered into between:

The **Indian Institute Science Education and Research Kolkata** (hereinafter referred to as "IISER-K"), an autonomous science research and education institute of national importance, established by the Ministry of Human Resource Development (MHRD). **It is considered as the FIRST PARTY.**

and

The **University of Gauhati, or Gauhati University (GU)**, which was set up as a State University under the University Grants Commission (UGC) in 1948, existing today with 43 in-campus Departments and more than 340 affiliated colleges spread over the State of Assam.

1. Objective and Rationale

The fields of Physical Science, Chemical Science, and Mathematical Science have always been very attractive portal for young researchers to enter scientific research. In recent decades, these fields have witnessed spectacular growth and attained the status of one of the most active frontiers of science in general, starting from the particles at nano scale to the galaxies and clusters in the cosmos. This MoU seeks to capitalize on the unique opportunity to harness the complementarity of a specialised research institution, IISER-Kolkata, with the capacity of the broad research and education institution, University of Gauhati, for well timed mutual growth in this frontier area through the joint Centre.

1. Scope of Memorandum of Understanding:

The primary goals of the MoU would be to:

- (i) Create a collaborative research and teaching activity that includes scientists and/or researchers from both the institutions,**
- (ii) Expose talented young researchers to exciting scientific challenges in identified in focus Areas of Physical Science, Chemical Science, and Mathematical Science during their formative years and provide them rigorous training, thereby contributing to the development of human resources for research in the relevant areas.**

To achieve the above

- ❖ IISER-K and GU shall identify annually, and provide as attachment to this MoU, specific training, research and development focus areas broadly within Physical Science, Chemical Science, and Mathematical Science of mutual interest to the members of the joint Centre in the two institutions.
- ❖ Faculty, Scientific staff, and Student exchange between the institutions for teaching, research, and development activities
 - The two institutes will actively seek to promote mutual faculty and student exchange for mutually agreed periods
 - Faculty and Scientific staff exchange may assume various forms, such as teaching courses, setting up of facilities for research and/or training, short-time and long term visits, joint research and development projects
 - Student exchange visits at doctoral level will be encouraged between collaborating faculty members
 - IISER-Kolkata will select up to 6 BS-MS students each year for final year project works at GU to work in identified focus areas.
- ❖ Joint research activities and academic meetings to create a common shared base of expertise required to initiate more intense research in specific Focused Areas.
- ❖ Identify specific areas for developing joint collaborative projects and explore funding opportunities for the same.

2. Joint responsibilities of the parties and Financial Obligations:

- Each institution shall support the travel expenses for faculty and student visitors to the other under this joint centre programme. The host institution for these visits will allow access to available institutional facilities, provide accommodation and living expenses per rules prevailing in the host institution to the visitors.
- Time spent by faculty from either Institute at the partner organization to facilitate the joint initiatives under this understanding would be treated as official on duty work.
- Both the parties agree to monitor the success of the academic exchange programmes and to use this information, wherever necessary, to make improvements to the academic exchange programmes.
- Both the parties will send necessary letters of invitation and information about research related activities with a copy to the Head of the Institute through the respective Coordinators.
- Each party will seek to make available resources and funds toward further the goals of the Joint centre.

- Specific activities and programmes other than mentioned in the clauses above shall be subject to availability of funds and resources.

❖ **Faculty Coordinators:**

Annually, both the parties shall appoint one member of its teaching/research faculty to coordinate the programme on its behalf. Further, a Coordination Committee consisting of a programme coordinator from either side will periodically review and identify ways to strengthen cooperation between the institutions/universities. The Faculty Coordinators of the Centre from GU and IISER - Kolkata will seek, identify and invite faculty interested in furthering the above aims of the joint centre.

IISER K	GU
Director IISER Kolkata e-mail: director@iiserkol.ac.in	The Head, Department of Applied Sciences, Faculty of Technology, GU e-mail: appliedsc@guahati.ac.in

❖ **Confidential information and intellectual property rights:**

- Each party shall not make any public announcement or statement or publish or release any information or use logo of the other party in relation to any proposed collaboration without the prior written approval of both the parties. Each party shall keep confidential any information that receives from other party marked confidential.
- All intellectual property solely conceived and/or developed by IISER-K during this agreement shall be owned by IISER-K. All intellectual property solely conceived and/or developed by GU during this agreement shall be owned by GU. Intellectual property jointly conceived and/or developed by IISER-K and GU will be jointly owned by IISER-K and GU. Each party may use such property for research and scholarly purposes.

❖ **Arbitration clause:**

Should there be a dispute relating to any aspect of academic cooperation, the Director, IISER-K, and Registrar, GU will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

❖ **Validity, renewal, termination and amendment:**

- The MoU will remain in force for a period of FIVE (5) years commencing from the date of signing. Institutions may extend the term by written agreement signed by both the institutions after review.
- Either institution may terminate the MoU by giving written notice of six months in advance to the other institution.
- The MoU may be amended or modified by a written agreement signed by the representatives of both the institutions.

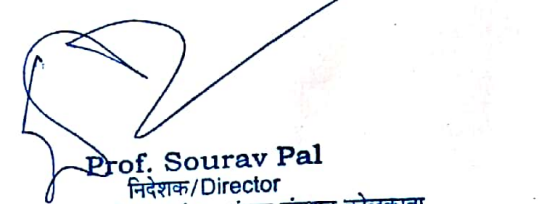
IN WITNESS whereof this MoU has been executed by the duly authorized representatives of IISER-K and GU hereto on the day of 14th February, 2019, at Gauhati University.

Signed on behalf of
The Indian Institute of Science Education
(IISER-K)

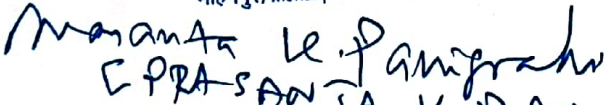
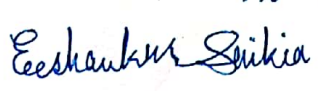
Signed on behalf of
University of Gauhati (GU)

Registrar

Date:



Prof. Sourav Pal
निदेशक/Director
भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान कोलकाता
Indian Institute of Science Education and Research Kolkata
(Under Ministry of HRD, Govt. of India)
मोहनपुर/Mohanpur-741246, पश्चिम बंगाल/West Bengal

Witnesses:

1. 
PRASANTA K. PANIGRAHY
2. 
(EESHANKUR SAIKIA)

Registrar

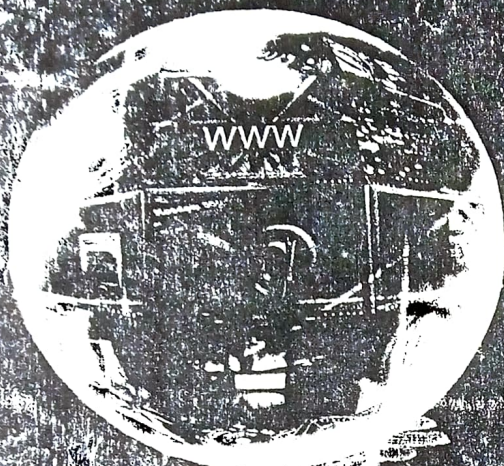
Date:


07-11-2019
नवीन निविमान, गुवाहाटी-१४
Registrar
Gauhati University, Guwahati-14

NATIONAL
INFORMATICS
CENTRE



THE IT SUPPORT PROFESSIONALS



Memorandum of Understanding (MoU)
between
National Knowledge Network (NKN)
and

**National Knowledge
Network**

CXC

MoU FOR SERVICES ON NATIONAL KNOWLEDGE NETWORK

This MoU (this "Agreement"), dated _____ is entered into by and among

PARTIES TO THE MEMORANDUM

National Informatics Centre (NIC), Department of Information Technology, Ministry of Communication and Information Technology, Government of India at (Block-A, CGO Complex, Lodi Road, New Delhi-110003) which is the "**Project Execution Agency (PEA)**" for coordinating the implementation of National Knowledge Network (NKN) Project by the designated High Level Committee (HLC) on NKN.

AND

XXX, hereinafter referred to as '**User**' with office at XXX

RECITALS:

WHEREAS,

- a) **NKN** is a state of art Multi-Gigabit Pan-India network. It has been designed to ensure the highest level of availability, quality of service, and robust, secure and reliable connectivity for extending network based services.
- b) "**Project Execution Agency (PEA)**" is the implementing agency on behalf of **NKN** Project, till such time a Special Purpose Vehicle (SPV)/Successor is not established. Once the SPV/Successor is established then all the roles agreed for by "**PEA**" in this agreement shall be as it is, transferred to the SPV/Successor.
- c) Pursuant to the terms and conditions of this Agreement, User desires to obtain Right of Use in the **NKN** network, upon accepting the terms and conditions set forth in this Agreement.

NOW THEREFORE, the User desires to use / make certain services available via a connection to **NKN** and the Parties have agreed that those services be made available on the terms and conditions set out in this Agreement. In consideration of the matters recited, the commitments contained herein, and the purpose and scope, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. DEFINITIONS

The following terms shall have the definitions indicated. Capitalized terms not defined in this Agreement shall have the meaning ascribed to them in the Agreement.

"Access Link"	the access link and/or other equipment which is required to make the connection between the User's network and NKN ;
"Agreement"	this agreement, including its Exhibits, as may be amended from time to time under Clause 24.2;
"Clause"	a clause or sub-clause of this Agreement;
"Connectivity"	is the term used to describe the network based connectivity between the PEA and the User

NKN
Confidential

NIC
Page 2 of 14

Lecturer
Department of Computer Science
Gautam University - 781012
15/12/11
Amit

Handwritten signature and initials.