

Memorandum of Understanding

Between



**Indian Institute of Tropical Meteorology
Pune
India**

and



**'A' Grade NAAC
Re-Accredited (3rd Cycle)**

**North Maharashtra University
Umavi Nagar, Jalgaon-425 001, India**

May, 2018

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU)
is entered into on

BY AND BETWEEN

**Indian Institute of Tropical Meteorology,
An autonomous Research Institute under
the Ministry of Earth Sciences (MoES), Government of India**

Represented by

**The Director
Having its office at
Dr. Homi Bhabha Road,
Pashan, Pune 411 008
(Hereinafter referred to as 'IITM')**

AND

**North Maharashtra University,
P. O. Box No. 80, Umavi Nagar,
Jalgaon - 425001 (M.S.) India**

Represented by

**The Vice-Chancellor
Having its office at
Umavi Nagar, Jalgaon, Maharashtra
(Hereinafter referred to as the 'NMU')**

1. Preamble

MHRD/MoES are emphasizing the need for collaborations between research institutions, industries and universities. This helps to increase the academic standards and reduce the technology gap between academic deliberations in the universities and technological developments in the institutes and industries. The university-institute collaboration provides platform to train the students to meet the requirements of the user groups. There is an urgent need to establish close collaboration between universities and institutes/industries to provide solutions to the general problems like:

- Signify the urgent need to establish close collaboration between university and institutions.
- Transfer of theoretical base of the universities to the institutes and vice versa.
- To make training modules for different user groups.
- Unsuitability of traditional courses for societal applications.
- Rapid development of new technologies and the scope for universities to seek new resources.
- Paucity of practical training and exposures to students and teachers.
- Difficulty faced by graduates in the job market.

In addition to this the universities can take up the inter-disciplinary and multi-specialized projects sponsored by different funding agencies as a part of intellectual and infrastructure development.

North Maharashtra University (NMU), Jalgaon

The Mission of North Maharashtra University (NMU) is "to impart relevant quality higher education to the students, to groom them to be conscious, researchers, technologists, professionals and citizens, bearing the torch for disseminating knowledge in masses for suitable socio-economic development of the society."

The North Maharashtra University was established on 15th August, 1990 under the Maharashtra University Act No. XXIX of 1989 as a teaching and affiliating University, for the purpose of socio-economic development of the region. The jurisdiction of the University is spread over three districts of North Maharashtra: Jalgaon, Dhule and Nandurbar. It actually started its academic and

administrative activities from academic year 1991-92, under the leadership of Prof. Dr. N. K. Thakare, the founder Vice-Chancellor of the university.

The University has adopted "School" concept to encourage interdisciplinary teaching/research activities under one roof so that limited human resources, equipment and infrastructure are optimally utilized by creating the culture of team work. In the year 1991, 5 Schools/Departments were established for conducting teaching, research and extension activities on the campus.

1992 was a special year for the University because in this year University got the 2(f) recognition from UGC. In the year 1994, University obtained the prestigious 12(B) recognition of the University Grants Commission (UGC), New Delhi. The University started functioning in its own campus in 1995.

The School of Environmental and Earth Sciences was established on 1st July 1999. In short span of 18 years, the School has established excellent laboratories and library facilities to get quality education in the field of environment and earth sciences. The School is having four teaching departments viz. Department of Environmental Science, Department of Applied Geology, Department of Applied Geography and Department of Environmental Engineering and Technology. School offers four Post Graduate courses in Environmental Science, Applied Geology, Applied Geography and M.Tech. in Environmental Science and Technology along with Doctoral degrees. In addition to this, school has started Certificate course in Industrial Safety and Management under career oriented certificate courses of UGC from academic year 2013-14. Eco-friendly sustainable approach in the process of development is a unique culture developed at the School. The School is actively involved in teaching and research in multidisciplinary areas such as geo-environmental aspects, groundwater assessment, geo-medical hazards, geochemical studies, etc.

The School has received research project grants from various agencies like DST, UGC, MoEF, UNICEF, DRDO, MoWR and State Government Agencies. The School is covered under the Special Assistance Programme (UGC-SAP-DRS, Phase II) of UGC, New Delhi for financial Assistance of 5 years (2015-2020). The School is also covered under DST-FIST programme - Level – I (2012-2017) for financial support.

At NMU, Environmental and Earth Science research work is being carried out in the School and hence the School of Environmental and Earth Sciences takes lead in the collaborative programs being taken up under this MoU.

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The faculty of the School is having expertise in Geological mapping, Geophysical exploration, Geochemical modeling, Geographical Information Systems, Environmental aspects such as Pollution assessment & control technologies, Land use planning, Sustainable development etc. The faculty of the School of Environmental and Earth Sciences is actively engaged in research and publishing papers in national and international journals. The School is equipped with geophysical and geochemical instrumentation, surveying equipment, environmental monitoring infrastructure to cater the training needs of the students of the University in geo-scientific surveying and analysis.

Indian Institute of Tropical Meteorology (IITM)

Indian Institute of Tropical Meteorology (IITM) is a premier research center for tropical weather and climate in India. IITM was formed as an independent R&D unit under the umbrella of Indian Meteorological Department (IMD) in 1963. With effect from 1st April 1979 the IITM got its status as autonomous research institute and was renamed as "Indian Institute of Tropical Meteorology (IITM)". Since then the institute has been on its journey, propelled by the indigenous talents and hard work of its fellow scientists and people, fueled by the generous support provided by the Government of India. IITM transformed itself into a world class center of excellence in the tropical meteorology, monsoon, weather and climate prediction.

2. Collaboration:

NMU and IITM have mutually agreed to collaborate with each other in the following areas:

- Identifying areas of environmental hazards – especially those which have a big impact on the country and its population - and examining whether methods of Homa Therapy can help to mitigate these hazards.
- Teaching, Research and Training in selected and advanced thrust areas of S & T, with special reference to Earth Sciences.
- Intellectual Property Rights.
- Science and Technology Transfer wherever it is possible and necessary.
- Any other areas of mutual interest.

3. Terms of collaboration:

- a) IITM and NMU agree to enter into detailed agreements on case-to-case basis, with a defined objective, specifying the scope of work, terms and conditions, Intellectual Property Rights.
- b) The NMU agrees to obtain prior permission from IITM to state in any project proposal that the project would be carried out by using the IITM infrastructural or intellectual facilities.
- c) The IITM agrees to obtain due permission from the NMU to initiate collaborative research work.

Either party while according permission may designate an authority in its own institute who can coordinate overall activity.

- d) Provision for registration for Ph.D. to the research scholar, project fellows/ project assistants/project scientists and the eligible employees of IITM will be made as per the regulations of the NMU.
- e) PhD Degree be awarded in Earth Science/Environment Science initially and Atmospheric and Oceanic Sciences as it becomes recognized by the NMU in the future.
- f) The provision will be made by IITM to accommodate the PG and Research students of the NMU to acquaint with the state of the art technology in the laboratories of the IITM as per availability and convenience.
- g) Provision will be made by IITM to allow the NMU faculty and research students to work in IITM laboratories.
- h) There will be mutual academic and research interaction of the faculty and scientists to act as experts, examiners etc. in IITM/NMU as per the need and specializations.

4. Monitoring Groups:

The collaborative research groups will be formed as per the scope of the research by the scientists/faculty/researchers with formal approval by the respective institutional authorities.

5. **Disclaimer:**

This MoU is not intended by IITM and the NMU to constitute, create, give effect to, or otherwise recognize a joint venture, agency, partnership, or formal business organization of any kind. Each party hereto shall act as an independent entity and neither shall act as an agent of either organization for other purposes. Neither party has the authority to bind the other party.

6. **Non-exclusivity:**

The agreement reflected by the provisions of this MoU is non-exclusive in nature and both the parties can enter into cooperative arrangements with other parties to suit their organizational needs.

7. **Confidentiality:**

The parties understand that in the course of their association, they shall have access to confidential information provided by the other party. Accordingly, the parties agree that such information shall be maintained in the strictest confidence and trust, except such information which is by its nature, not confidential or which is in the public domain or which the party comes to know about other than through violation of any law of legal obligation, provided that such party may be entitled to disclose such information if legally required to be disclosed to a competent authority. Failure to maintain confidentiality shall entitle the affected party to terminate the MoU.

8. **Validity:**

This MoU would remain valid for a period of Five years from the date it is signed by the parties and is renewable on mutual consent for such further period as agreed upon.

9. **Term and Review:**

If necessary, the MoU shall be reviewed any time after completion of one year from the date of signing of this MoU.

Either party can terminate the MoU after giving one month's notice to the other party subject to fulfillment of commitments already agreed upon.

10. **Amendments:**

This MoU constitutes the entire understanding between the parties hereto. Except as otherwise provided herein, no addition, amendment to or

modification of this MoU shall be effected unless it is in writing and signed by and on behalf of both parties by their respective authorized signatories.

11. Any dispute

The dispute or difference whatsoever arises between PARTIES in relation to or in connection with the AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be resolved subject to jurisdiction of civil court Jalgaon.

In witness whereof each of the parties has caused this MoU to be executed in two originals, one has been retained by IITM and the other by the NMU, on this day Thursday, the 31st May, 2018.

K.S. Nanjundiah
Prof. Ravi S. Nanjundiah
Director
Indian Institute of
Tropical Meteorology
Pune – 411 008
Maharashtra
India
(For and on behalf of IITM)



प्रो. रवि एस. नन्जुनडैया / Prof. Ravi S. Nanjundiah
निदेशक / Director
भारतीय उष्णदेशीय मौसम विज्ञान संस्थान
Indian Institute of Tropical Meteorology,
डॉ. होमी भाभा रोड, / Dr. Homi Bhabha Road,
पाषाण, पुणे / Pashan, Pune - 411008.

B.B. Patil
Mr. B. B. Patil
Registrar
North Maharashtra University
Umavi Nagar,
Jalgaon – 425 001
Maharashtra
India
(For and on behalf of NMU)



REGISTRAR
North Maharashtra University
Jalgaon