



MEMORANDUM OF UNDERSTANDING

FOR

**Academic Collaboration for the Promotion of Academic
Cooperation and Exchange of Research Personnel and Students**

Between

UNIVERSITY OF ALLAHABAD

(THE K BANERJEE CENTRE OF ATMOSPHERIC AND OCEAN STUDIES)

ALLAHABAD, UP 211002, INDIA

and

THE NATIONAL CENTRE FOR MEDIUM RANGE WEATHER FORECASTING

EARTH SYSTEM SCIENCES ORGANISATION

MINISTRY OF EARTH SCIENCES, GOVT. OF INDIA

A-50, SECTOR-62, NOIDA, UP 201309, INDIA

*Acc. to nif
Santosh*

1. Preamble

The National centre for Medium Range Weather Forecasting (NCMRWF), Noida under the Earth System Science Organisation (ESSO), Ministry of Earth Sciences, Government of India is the lead national modeling and data assimilation center engaged in research and real-time weather/ climate modeling for the last 25 years.

The University of Allahabad (a Central University) is one of the leading and oldest universities of India. The K. Banerjee Centre of Atmospheric and Ocean Studies (KBCAOS,) University of Allahabad is a renowned research center engaged in multi-disciplinary research in the field of atmosphere/ocean science for over a decade. The KBCAOS has executed several sponsored research projects successfully and has published many high quality research papers in the field.

In the pursuit of excellence in research, scholarship and dissemination of knowledge in the field of Atmospheric and Ocean Sciences and, to generate reciprocal benefits within a framework of openness, fairness, equity, and quality enhancement that will serve both the partners - University of Allahabad, Allahabad (K. Banerjee Centre of Atmospheric and Ocean Studies), and The National Centre for Medium Range Weather Forecasting (NCMRWF), Noida hereby sign a Memorandum of Understanding ("MoU") for Academic and Research Collaboration.

2. Parties to the MoU

- 2.1 University of Allahabad, Allahabad, 211002, INDIA (K. Banerjee Centre of Atmospheric and Ocean Studies)
- 2.2 The National Centre for Medium Range Weather Forecasting (NCMRWF), Earth System Sciences Organization, Ministry of Earth Sciences, A-50, Sector-62, NOIDA, UP 201309, INDIA

The two parties have mutually agreed to the following:

3. Aim of the MoU

The aim of this MoU is to provide a framework for active cooperation on the research and academic activities of the two institutions. The MoU aims to

*Acc. to n/k
Santosh*

strengthen the mutual understanding, foster friendly cooperation, and promote sustainable and productive research collaboration and supervision. The MoU shall also involve the exchange of faculty/scientists, researchers, and students of both the parties.

4. Scope of the MoU

In pursuit of the aim of the MoU, the Parties hereby agree to undertake, to promote within the framework of the provisions of the respective act/statutes/ordinances/regulations applying in each of the institutions, and subject to the availability of resources, the following activities:

- 4.1 Joint research work and supervision;
- 4.2 Scientist/Faculty cooperation/exchange;
- 4.3 Exchange of young researchers;
- 4.4 Joint organizations of seminar/conferences/workshops;
- 4.5 Exchange of relevant information and joint publications;
- 4.6 Other such activities as may be mutually agreed upon.

Research fellows (JRF/SRF), Research Associates and Scientists (regular/contract) from the NCMRWF engaged in research may be considered for registration for D. Phil. degree under the joint supervision by guides from the KBCAOS, UoA and NCMRWF. The D.Phil. candidates and scientists working fulltime at the KBCAOS will also be able to get supervision from the NCMRWF scientists on mutual consent and resource availability. The University of Allahabad may consider waving pre-Ph.D course requirements of registered D. Phil. candidates from the NCMRWF after confirming that the courses taken at the NCMRWF are fulfilling the University criteria. The continuation of the D. Phil. registration of the NCMRWF candidates will be subject to satisfactory progress monitored by a six-monthly review by a joint committee comprising members from NCMRWF/MoES and KBCAOS, UoA. The D. Phil. registration of contract scientific personnel from the NCMRWF will not automatically guarantee continued financial remuneration of the candidates from the NCMRWF or KBCAOS, UoA. The NCMRWF candidate has to also satisfy '*NCMRWF satisfactory work progress criteria*' as reviewed by the NCMRWF from time-to-time.

Agree to it
Laxmi Singh

5. Commencement and duration

- 5.1 This memorandum will come into effect from the date of signature by both the parties and will remain in force for an initial period of five years.
- 5.2 This memorandum may be amended/extended by the written agreement and mutual consent of both the parties.

6. Confidentiality

Both parties acknowledge that any information disclosed by or on behalf of any of the parties which is not in the public domain is confidential and may not be used or disclosed to any other party (whether before or after the termination of this MoU) for any reason whatsoever save as may be strictly necessary for the due and effectual rendering of the services. Any scientific data exchanged/shared between the parties for joint research/supervision will not be transferred to third party without consent of the parties.

7. Intellectual property

It is the intention of the institutions that any and all research derived from the collaborative efforts of the two parties will be the joint property of both the parties, proportionate to the parties' respective contributions.

8. General considerations

- 8.1 The joint research supervision leading to the award of the Doctor of Philosophy Degree of the University of Allahabad shall be implemented as per the provisions of the *Ordinances LV and LVI* of the University of Allahabad.
- 8.2 Under a joint project/supervision, each party shall provide the local hospitality and accommodation to the other party's visiting scientist/staff/student from its own resources as agreed upon in the project document. The travel expenses shall be borne by the respective institutions, however.
- 8.3 In the event of contravention/non compliance of any of the conditions of MoU, either party can terminate the MoU, provided a written notice is given to the other party in advance.
- 8.4 The MoU is essentially a cooperative/partnership venture, therefore, any matter not covered specifically under this MoU may be settled by mutual discussion. On issues where disagreement persists, the matter may be jointly referred to the Vice

*As per the
Sanjay Singh*

Chancellor of the University of Allahabad and Director, NCMRWF, MoES, whose collective decision shall be final and binding on both the parties.

8.5 This MoU does not constitute a legal or contractual obligation on the part of either party. It reflects an arrangement that is currently satisfactory to the parties involved. The parties agree to negotiate amendments to this memorandum as needed to meet the evolving requirements.

9. Signatories

Signed at Allahabad on this..... 15th day of APRIL 2014

..... Date: 15-04-2014


Prof. B. P. Singh
Registrar **REGISTRAR**
University of Allahabad
Allahabad

Witness 1: Prof. N. R. Farooqi,
Dean, Research and Development, University of Allahabad



Witness 2: Dr. Suneet Dwivedi
Coordinator, K. Banerjee Centre of Atmospheric and Ocean Studies,
University of Allahabad



Signed at Noida on this..... 16th day of APRIL 2014

..... Date: 16-04-2014


Dr. (Mrs.) Swati Basu
Director
NCMRWF, ESSO, MoES

डॉ. स्वाति बासु / Dr. SWATI BASU
निदेशिका / Director
(स.म.ज.मौ.पू.के.) / (N.C.M.R.W.F.)
भारत सरकार / Govt. of India
पृथ्वी विज्ञान विभाग / Min. of Earth Sciences
ए-50

Witness 1: Dr. Ashis K. Mitra, Scientist - F, NCMRWF, ESSO, MoES



Witness 2: Dr. E. N. Rajagopal, Scientist - G, NCMRWF, ESSO, MoES

