MEMORANDUM OF UNDERSTANDING (MOU)

AGREEMENT FOR SCIENTIFIC COOPERATION IN RESEARCH BETWEEN
GOVT. MODEL SCIENCE COLLEGE, R.D. UNIVERSITY, JABALPUR (M.P.)
AND
THE INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE, INDIA
(An Autonomous Institute under Ministry of Earth Sciences, Govt. of India)

In view of the common wish to continue relations for scientific collaboration between the university (located at scientifically strategic location) and the research institution in the fields of mutual interest, the Govt. Model Science College, Jabalpur (hereinafter referred to as GMSC) and the Indian Institute of Tropical Meteorology, Pune (hereinafter referred to as IITM), in harmony with the spirit of scientific collaboration within the country and to spread front line research in Indian universities that characterises relations between them, have agreed to sign the following:

AGREEMENT FOR SCIENTIFIC AND CULTURAL COLLABORATION

(Objective)

Article 1
The GMSC and the IITM will endeavour to enhance research activities by supporting the other Party’s research efforts under the principle of respecting mutual autonomy. In particular both Parties will contribute to the development of integrated modelling and monitoring systems for effective air pollution assessment both at regional and national scale.

(Areas for and contents of collaboration)

Article 2
Areas for collaboration between the two Parties will involve integrated monitoring and assessment modelling for air quality evaluation and planning, including:
- Regular monitoring of all major air pollutants along with meteorological fields,
- Development of pollutant emission inventories,
- Observational data assimilation,
- 3-D simulation of chemical and transport phenomena in the boundary layer and troposphere,
- Secondary pollutants (ozone and fine particulates) assessment at regional scale,
- Forecast and prevention of critical and severe population exposures,
- Evaluation of impact on climate changes
- Optimization of air pollution mitigation strategies.

(Exchange of research staff)

Article 3
The exchange is defined principally in the following ways:
- a) The Parties will agree to the reciprocal exchange of professors, scientists and PhD students for study visits, research, conferences, and will favour the exchange of scientific experience and knowledge.
- b) The Parties will share information about conferences, symposium and seminars organised at national level.
- c) The Parties will provide the basic infrastructural facilities to the visiting researchers for carrying out research activity in their University /institute.

(Administrative Aspects and Infrastructure)

Article 4
The Air pollution measurement System (includes expensive and sophisticated scientific instruments, UPS, air conditioner, computer and all accessories) will be sponsored, procured by IITM. The IITM will also install and commission it in suitable location at GMSC and will also maintain it regularly. All the instruments provided by IITM and the data generated will always remain the property of IITM and will be returnable after the expiry of MOU. The scientific data product of the project will be utilized by both the parties in mutual collaboration for maximum scientific benefit.

The GMSC will provide all possible infrastructural facilities like a well furnished laboratory room of minimum size of 15'x12' with adequate raw power supply, furniture, etc on complimentary basis in a suitable location in the campus which may be decided mutually.

P.G. Deptt. of Environmental Science, GMSC will act as collaborating Dept. to look after this project locally.

It is highly desired that at least two Junior research Fellows (JRF) are selected and sponsored by GMSC from their internal system for this project which may eventually lead them to complete their Ph.D. This is envisaged to enhance the human resource development in the subject area of air quality and climate change which will further spread the scientific message in national capacity building.

Project students can be registered for Ph.D. degree at GMSC under the joint guide-ship of the collaborating investigators from IITM and GMSC. To facilitate the arrangement, Program Director from IITM shall be recognized by R.D. University, Jabalpur as Ph.D. guide.

(Term of the agreement)
Article 5
The agreement will come into act with the signatures of the appointed representatives of the two Parties and will have duration of five years. The present agreement may be renewed for additional terms upon the mutual written approval from both Parties. If agreed by both parties the MoU may be renewed after five years.

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