



**Tripartite  
Memorandum of Understanding**

**between**

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**University of Cambridge, UK**

**Indian Institute of Science Education and Research Kolkata, India**

**Shri Mata Vaishno Devi University, India**

**Signed on \_\_\_\_\_**



## **PREAMBLE**

The University of Cambridge, United Kingdom, The Indian Institute of Science Education and Research Kolkata (IISER-K), India and Shri Mata Vaishno Devi University (SMVDU), India, (hereinafter referred to as "the Parties"), have jointly worked on multiple research projects wherein a seismological field experiment has been designed, deployed and operated in North-western Himalaya. These projects were funded by agencies such as United Kingdom-India Education and Research Initiative, and University Grants Commission. The Principal Investigators from these three organisations are Prof. Keith F. Priestley (University of Cambridge), Prof. Supriyo Mitra (IISER-K) and Dr. Sunil K. Wanchoo (SMVDU). These projects have been completed but the cooperation through these projects which started in the year 2013, continues till date. The data acquired so far has been archived in India (Both at Kolaktta and Katra (SMVDU)). The Parties recognize the urgent need to enter into a formal understanding to continue to work with the data that has been procured so far and would be acquired in future and to expand the cooperation to other areas of Geophysics in general.

**RECOGNIZING** their mutual interest and **DESIRING** to establish an overall legal framework for cooperation in joint analysis of the data which will continue in the future as well; **HAVE AGREED** as follows:

## **ARTICLE 1-PURPOSE AND SCOPE OF COOPERATION**

This Memorandum of Understanding (MOU) establishes the terms and conditions under which the Parties shall archive and analyse the data jointly and publish joint research findings in peer-reviewed literature.

## **ARTICLE 2 - RESPONSIBILITIES OF THE PARTIES.**

The University of Cambridge shall endeavour to continue to provide necessary training and tools to enable the collection and archiving of raw data in India.

The Indian IISERK and SMVDU, India shall be responsible for operating (a) seismological field station(s) and for the collection, processing, and archival of raw data. They shall continue to maintain the field experiment and keep servicing them from time to time and accordingly collect and archive the raw data both at Katra and Kolkata.

## **ARTICLE 3- ANALYSIS OF DATA AND IPR**

1. The Parties will continue to jointly analyse the data and identify opportunities for joint research publication in peer-reviewed literature.
2. The Parties will share information and consider opportunities for training and capacity building in the use of such data archived in India.
3. All the Intellectual Property generated out of the activities envisaged under this MOU and the raw data generated out of this project and already archived in India since 2013 and any future addition to that archive after future servicing of the instruments shall be jointly shared and any publication/Patent emerging out of either joint or individual analysis of the data shall continue to be joint IPR of the three parties, accordingly no party shall publish anything without having written consent and authorship of the other parties.



#### ARTICLE 4 - FINANCIAL ARRANGEMENTS AND LEGAL AUTHORIZATION

The Parties shall endeavour to write more joint projects to sustain the experiment and associated activities to raise funding for their respective activities under this MOU.

#### ARTICLE 5- CONSULTATIONS AND SETTLEMENT OF DISPUTES

1. The Parties shall consult, as appropriate, to review the implementation of activities undertaken pursuant to this MOU, and to exchange views on potential areas of future cooperation.
2. In the event questions arise regarding the interpretation, application, or implementation of activities under this MOU, the PI's of the Parties shall resolve the questions in an amicable manner. If the PIs are unable to reach an agreement, then the matter will be referred to a more senior level of the Parties viz respective Head of the Institute or his/ her nominee for joint resolution.

#### ARTICLE 6 - ENTRY INTO FORCE AND TERMINATION

1. This MOU shall enter into force upon signature by the three Parties. This MOU may be amended by mutual agreement of the Parties.
2. In the event that either of the Parties is unable to comply with any provision of this MOU, either Party, after consultation with the other, shall have the option of terminating this MOU, providing at least 30 days' notice of such action, forwarded in writing by one Party to the other.
3. The parties will endeavour to facilitate exchange visits of the PIs both as mentioned in the preamble of this document as well as other faculty members who may be interested for collaboration from other fields as well as to write more joint projects in future to continue to sustain the experiment and explore additional avenues of cooperation through such projects.
4. Notwithstanding termination or expiration of this MOU, the obligations of the Parties set forth in Article 3 of this MOU shall continue to apply. This MOU shall also act as a bridge among the parties to expand the cooperation to other fields of mutual interest and consent.

**ARTICLE 7- SIGNATURE IN WITNESS THEREOF**, respective representatives of the Parties have signed this Memorandum of Understanding.

Prof. Simon Redfern  
Head, Department of Earth  
Sciences  
University of Cambridge

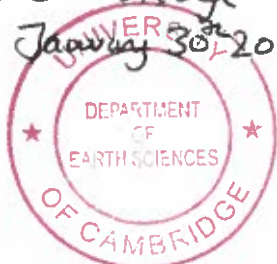
Prof. Sourav Pal  
Director,  
Indian Institute of Science  
Education and Research  
Kolkata, India

Prof. V. K. Bhat  
Registrar  
Shri Mata Vaishno Devi  
University (SMVDU)

Place: Cambridge  
Date: January 30<sup>th</sup> 2019

Place: Mohanpur  
Date: 26-11-2018

Place: SMVDU  
Date: 15-12-18



**Prof. Sourav Pal**  
Director  
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Registrar  
Shri Mata Vaishno Devi University  
KATRA.