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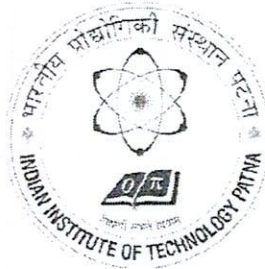
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MEMORANDUM OF UNDERSTANDING
BETWEEN



BIHAR STATE DISASTER MANAGEMENT AUTHORITY
PATNA

AND



INDIAN INSTITUTE OF TECHNOLOGY
PATNA

FOR

EARTHQUAKE RESISTANT CONSTRUCTION



MEMORANDUM OF UNDERSTANDING

The present Memorandum of Understanding is being prepared in furtherance of their mutual interest in the fields of Disaster Risk Reduction and Management and as a contribution towards making Bihar Disaster Resilient,

Between

Bihar State Disaster Management Authority through its Chairman/ Chief Executive Officer/ Secretary, Bihar having its address at Second Floor, Pant Bhawan, Bailey Road, Patna-800001, Bihar, India (hereinafter referred to as BSDMA) called as 1st Party

And

Indian Institute of Technology, Bihta, represented through its Director/ Registrar Bihar, India (hereinafter referred to as IIT Patna, having its address IIT Campus, Bihta, Patna-801106, called as 2nd Party

Are hereby entered into this Memorandum of Understanding (MOU) which shall be effected from 1st May, 2021 as set forth below:

ARTICLE I

The MOU involves collaboration between BSDMA (1st Party) and IIT Patna (2nd Party) (both also referred to as institution) in related disciplines.

Both the institutions shall seek to promote: **Development of Guidelines for Seismic Evaluation and Strengthening of Old Masonry Buildings in Bihar, based on a Pilot Study.**

ARTICLE II

The activities under this MOU will include: Site visit, In-situ Tests, Lab Tests, Mathematical modeling in software, Development of guidelines for design and retrofitting and Training/Short course as per Annexure-A.

ARTICLE III

Time of completion under this MOU shall be 12 months from commencement of the project. 40% of the grant shall be paid in advance, 40% of the grant shall be paid on submission of six-month progress report as per Annexure A and 20% of the grant shall be paid after the submission of Final Guidelines to BSDMA.

BSDMA may call upon the IIT to make a presentation of the draft guidelines and take into account the feedbacks, while finalizing the same. A presentation of the final guidelines shall also



be made by IIT before BSDMA and the same would be revised if suggested in the said presentation.

ARTICLE IV

In future Preparation of Seismic Safety Guidelines for Bihar, Capacity Building of Engineering professionals and Study of soil coverage affecting magnification of seismic intensity in Bihar and their remedies shall be taken up on mutual consent of BSDMA and IIT Patna. Activities of the works, Time of completion and terms of fees shall be decided for future works on mutual consent of the competent authorities.

ARTICLE V

Implementation of cooperation based on this MOU shall be dealt with between the relevant Faculties and Divisions/ Departments of both institutions. Wherever necessary, a specific plan shall be worked-out for each activity setting-forth detailed arrangements for collaboration. Such plans shall be subject to approval of the appropriate authorities of each institution. To facilitate development of such plans, each institution shall nominate a member of its staff to coordinate activities arising under this MOU.

ARTICLE VI

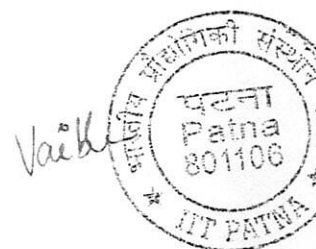
Both institutions agree and undertake to keep confidential at all times information and/or data that may be exchanged, acquired and/or shared in connection with the area of cooperation, as mentioned above, unless otherwise the same information already exists in the public domain.

ARTICLE VII

Ownership of findings of any joint research shall be vested in both institutions to this MOU and any publications regarding the same shall only be possible after prior approval from both institutions.

ARTICLE VIII

Both the BSDMA and IIT Patna reserve the right to terminate this MOU by either institution giving 3 (Three) months written notice to the other. Where such termination occurs, the provisions of this MOU shall continue to apply to on-going activities until their completion.



ARTICLE IX

Participating teaching and non- teaching staff and students and any other member from the participating institutions involved in any activities under this MOU must adhere to the law of the country and the rules & regulations of the host institutions.

ARTICLE X

BSDMA and IIT Patna welcome establishment of this MOU for cooperation and jointly agree to provisions as set out above. There are two copies of this MOU equally valid, one for each institution, effective from the date of its signing and shall be valid for a period agreed upon by both parties under this MOU.

**Bihar State Disaster Management
Authority Patna**

Indian Institute of Technology Patna

22/6/21
Secretary, BSDMA

**2nd Floor, Pant Bhawan, Bailey Road,
Patna, Bihar-800001**

Email: info@bsdma.org

PANT BHAWAN, PATNA

Witness

1. *Bannu Kant Mishra*

2. *Anil Kumar Singh*
23.07

Date:

Cfaha
**A. Dean (R&D), IIT Patna
Bihta, Patna -801106 (Bihar)
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**ASSOCIATE DEAN, R&D
INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA-801106, BIHAR, INDIA**

Witness 1. Dr. VAIBHAV SINGHAL *Vaibhav S*

2. **PRADIP MAITY** - *P*

3. **Sanjay Kr.** *Sanjay*

Date:

