



MEMORANDUM OF UNDERSTANDING

Between

National Highways Authority of India (NHAI)

AND

Indian Institute of Technology (ISM), Dhanbad

**Collaboration with Institute for Institutional Social
Responsibility & Adopting of National Highway
Stretches under Regional Office, Ranchi**

3rd August, 2020



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "MoU") entered into on this 3rd day of August, 2020 by and between:

National Highways Authority of India (NHAI) which expression shall, unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns), of the First party;

AND

Indian Institute of Technology (ISM), Dhanbad (hereinafter called as **IIT (ISM) Dhanbad**) which the expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns) of the Second Party.

WHEREAS,

Both **Indian Institute of Technology (ISM), Dhanbad** and **NHAI** are desirous of working together with mutual cooperation for dissemination of respective expertise in civil/highway engineering field through the road infrastructure development.

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES AS FOLLOWS:

1. INTENT:

National Highways Authority of India (NHAI) intends to associate the Indian Institute of Technology (ISM), Dhanbad who shall voluntarily contribute its share of experience for betterment of the highway infrastructure.

2. SCOPE OF THE MoU

The primary scope of MOU inter alia includes the following:

- (i) NHAI shall facilitate the faculty, researchers and students of the Institute to familiarize with the latest trends in the highway/transportation sector with a common objective of sharing the knowledge in their respective domain. This will, in one hand, facilitate to bridge the industry-institution gap and familiarize students with the latest trends in industry and on the other hand the research output could be suitably adopted in practice by NHAI.
- (ii) The Institute shall adopt nearby stretches of NHs as specified in the **Appendix-1** as a voluntary initiative under ambit of Institutional Social Responsibility (ISR). The list of stretches may be modified by deletion/addition by mutual consent of NHAI and the Technical Institute.
- (iii) The adopted stretch may be used as a field of study for faculty, researchers and students.
- (iv) NHAI shall offer internship to 20 number of undergraduate/postgraduate students of the Institute periodically and also extend stipend
- (v) NHAI shall pay stipend @ Rs. 8000 (Rupees Eight Thousand only) per month for undergraduate students and @ Rs.15000 (Rupees Fifteen Thousand only) per month to Postgraduate students. All other arrangements including stay shall be responsibility of the Institute. However, depending upon availability, NHAI may extend transportation facility to the interns within the project jurisdiction.



3. Roles and Responsibilities:

The scope of this MOU shall be carried out in a collaborative mode between NHAI and IIT (ISM), Dhanbad. The Roles & Responsibilities of NHAI and Indian Institute of Technology (ISM), Dhanbad in performing the defined objective shall be as follows:

NHAI

- a. NHAI shall provide the list of potential candidate National Highway stretches for adopting by the Technical Institute;
- b. NHAI shall facilitate availability of relevant data required with specific reference to the above stretches through its field office/consultant/concessionaire/contractor engaged in the project ;
- c. NHAI will nominate an officer as a point of contact for all correspondence in carrying out the defined objective;
- d. NHAI shall facilitate the faculty, researchers and students of the Institute to give access to the site of the identified stretch being adopted by the Technical Institute, relevant documents for the purpose of activities to be carried by these intellectuals of the Institute;
- e. NHAI through its field office/Consultant/Concessionaire/Contractor engaged in the project, as per reasonable requirement, will disseminate and familiarize the latest trends and know how in highway/transportation sector in general and the identified project in specific to the authorized faculty, researchers and students of the Institute;
- f. NHAI may suitably adopt the research output and feedback received from the Technical Institute in practice for qualitative improvement as deemed fit at appropriate stage of implementation.
- g. NHAI may support creation of Lab infrastructure in the Institute and can sponsor relevant research project that helps in using alternative resource material and improving quality of roads.
- h. The NH stretch adopted can be co-branded with the associated technical institute by NHAI

Indian Institute of Technology (ISM), Dhanbad

- a. The Institute shall adopt stretch(es) of NHs as specified in the **Appendix-1** as a voluntary initiative.
- b. IIT (ISM), Dhanbad through its authorized faculty, researchers and students will carry out periodic investigation and give suitable suggestions for improving the efficiency of existing highway asset inter alia covering the following aspects:
 - (i) Improvements in safety provision by removing existing deficiencies;
 - (ii) Improvements in continual maintenance of the stretch using new technologies;
 - (iii) Localized solutions for removal of congestion points thereby increasing the average speed of traffic flow;
 - (iv) Improvements in the riding comfort through cost effective measures based on innovative technologies on practices applicable in the area;
 - (v) Viability of new way side amenities for road user based on the existing traffic pattern and user expectations;
 - (vi) Potential solutions to old recurring problems based on local experience etc.



- c. The Institute may also associate with the Consultants/NHAI during conceptualization, design and project preparation of new projects and suggest the relevant parameters and innovations based on experience specific to the site climate, topography and resource potential for better socio economic outcome
- d. Indian Institute of Technology (ISM), Dhanbad will nominate a coordinator as a point of contact for all correspondence in carrying out the defined objective as well as inform, from time to time.

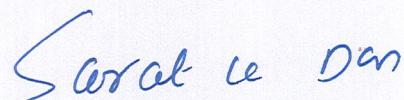
4. EFFECTIVE DATE AND PERIOD OF MOU

This MoU shall come into effect for all its intents and purposes from the immediate effect and shall remain valid for a period of 5 years from the date of signing unless terminated earlier by mutual consent by either party by giving 60 days' notice in writing to the other party.

For Indian Institute of Technology (ISM), Dhanbad

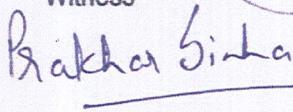

(Authorised Signatory)
Dean (Research & Development)
Indian Institute of Technology
(Indian School of Mines)
Dhanbad - 826004 (INDIA)

Witness:


(SARAT KUMAR DAS)
Professor Engg.
Dept. of Civil Engineering 826004
Indian Institute of Technology
(Indian School of Mines), Dhanbad
Jharkhand-826004, India

For NHAI


(Authorised Signatory)


Witness

(PRAKHAR SINHA, YP(T))
NHAI,
C-129, VIDYALAYA MARG,
ASHOK NAGAR, RANCHI-2



APPENDIX-1

The Institute shall adopt the following stretch(es) of NHs as a voluntary initiative under the ambit of Institutional Social Responsibility (ISR).

S.No	Details of the stretch (From Chainage to Chainage)	NH No	Length	Stage of implementation (completed/under construction/under maintenance/project preparation)	Remarks
1.	6-Laning of Gorhar to Khiratunda section of NH-2 from Km. 320.810 to Km. 360.300 in the State of Jharkhand under NHDP Phase-V on Hybrid Annuity Mode – Package-II	02	40.19	Ongoing	
2	6-laning of Khairatunda-Barwa Adda section (Km 360.300 to Km. 400.132) of NH-02 – Package-III	02	40.33	Ongoing	

Above list of stretches may be modified by deletion/addition by mutual consent of NHAI and Indian Institute of Technology (ISM), Dhanbad.

