

1/4

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "MoU") entered into on this 26<sup>th</sup> 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

National Institute of Technology (hereinafter called as NIT Hamirpur 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 **NIT Hamirpur** 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 National Institute of Technology Hamirpur 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 40 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 in Transportation Engg., Structural Engg., Geotechnical Engg., Hydraulics Engg., Infrastructure Systems, Earthquake Engg., Urban & Rural Planning, Disaster Mitigation & Management, etc. All other arrangements shall be responsibility of the Institute. However, depending upon the availability, NHAI may extend stay and transportation facility to the interns within the project jurisdiction on best effort basis.

Regional Officer  
NHAI, Himachal Pradesh

Hans  
28/08/2020

अधिष्ठाता (शोध और परामर्श)  
रा० प्रौ० सं० हमीरपुर (हि.प्र.)  
Dean (Research & Consultancy)  
NIT Hamirpur (H.P.) - 177005



2/A

### 3. Roles and Responsibilities:

The scope of this MOU shall be carried out in a collaborative mode between NHA and the National Institute of Technology Hamirpur. The Roles & Responsibilities of NHA and the National Institute of Technology Hamirpur in performing the defined objective shall be as follows:

#### NHA

- a. NHA shall provide the list of potential candidate National Highway stretches for adopting by the Technical Institute;
- b. NHA 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. NHA will nominate an officer as a point of contact for all correspondence in carrying out the defined objective;
- d. NHA 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. NHA 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. NHA 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. NHA 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 NHA

#### National Institute of Technology Hamirpur

- a. The Institute shall adopt stretch(es) of NHs as specified in the **Appendix-1** as a voluntary initiative.
- b. The Technical Institute 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/NHA 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

NHA  
22/12/2020  
अधिष्ठाता (शोध और परामर्श)  
सं. प्रौ. सं. हमीरपुर (हि.प्र.)  
Dean (Research & Consultancy)  
NIT Hamirpur (H.P.) - 177005



(3/4)

d. The Technical Institute 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 National Institute of Technology Hamirpur

Nas  
28/08/2020  
(Dean, NIT-Hamirpur)

अध्यक्षाता (शोध और परामर्श)  
सं. प्रौ. सं. हमीरपुर (हि.प्र.)

Dean (Research & Consultancy)  
NIT Hamirpur (H.P.) - 177005

Witness  
28/08/2020  
Civil Engineering Department  
NIT, Hamirpur (H.P.)

For NHAI

Regional Officer  
NHAI, Himachal Pradesh  
(RO, Himachal Pradesh)

Witness

26/08/2020  
D. R. NHA  
9/0 RO NHAI HP Hamirpur  
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 (Km.)	Stage of implementation (completed/under construction/under maintenance/projec t preparation	Remarks
1	Four Laning of Parwanoo-Solan Section of NH-22 (Now NH-5) from km 67.000 to km 106.139 on EPC mode under NHDP Phase-III in the State of Himachal Pradesh.	NH 22 (New NH-05)	39.139	Under Construction	-
2	Four Laning of Parwanoo-Solan Section of NH-22 (Now NH-5) from km 67.000 to km 106.139 on EPC mode under NHDP Phase-III in the State of Himachal Pradesh.	NH 22 (New NH-05)	22.911	Under Construction	-
3	Two Laning with formation for four lane or proposed Kithalighat to Dhalli (Shimla Bypss) of NH-22 from km. 129.050 to km. 156.507 in the State of Himachal Pradesh under NHDP Phase-III on BOT Annuity Hybrid Mode.	NH 22 (New NH-05)	27.457	(Concessionaire has terminated the Concession Agreement on 13.12.2019)	-

Nas  
28/8/2020  
अध्यक्षाता (शोध और परामर्श)  
सं. प्रौ. सं. हमीरपुर (हि.प्र.)  
Dean (Research & Consultancy)  
NIT Hamirpur (H.P.) - 177005



(4/4)

4	Pinjore-Baddi-Nalagarh section of NH-21A (New NH-105) from km.4.200 to Km.35.370 in the state of Haryana and Himachal Pradesh.	NH 21 A(New NH-105)	31.17	Project Preparation.	-
5.	Four laning of Shimla-Mataur Section of NH-88 (Now NH-205) from km 0/000 to Km 223/700 in the State of Himachal Pradesh.	NH-88 (New NH-205,103,03,5 03,303)	223.700	Project Preparation.	-

Above list of stretches may be modified by deletion/addition by mutual consent of NHAI and the Technical Institute.

*Handwritten:* 26/08/2020  
अधिष्ठाता (शोध और परामर्श)  
रा० प्रौ० सं० हमीरपुर (हि.प्र.)  
Dean (Research & Consultancy)  
NIT Hamirpur (H.P.) - 177005

*Handwritten:* 26/08/2020  
DGm(TI)