

Expression of Interest (EOI) for Empanelment of HILL ROAD Experts in NHIDCL

Subject: - To inspect failed/completed/ongoing hill road works and review DPR-proposed components as and when required for NHIDCL projects.

1. Introduction

The National Highways & Infrastructure Development Corporation Ltd. (NHIDCL) is mandated with the development and maintenance of National Highways, tunnels, bridges, hill roads, and other infrastructure works across the country. To ensure effective monitoring, quality assurance, and timely implementation of hill road works, NHIDCL intends to empanel qualified Hill Road Experts. The empanelled experts will support NHIDCL through third-party inspections, independent technical reviews, and professional advice on hill road structures and components.

2. Scope of Work

The empanelled Hill Road Experts will be responsible for:

- Inspecting failed, completed, and ongoing hill road works, including pavement design, drainage & cross drainage, slope stability, landslides, and Rockfall investigation & mitigation, and snow clearance.
- Reviewing and providing comments on DPRs of proposed hill road projects.
- Ensuring compliance with **IRC SP: 48-2023** (Hill Road Manual) and **IRC SP: 52-2019** (Guidelines for Alignment Survey and Geometric Design of Hill Roads).
- Recommending mitigation measures in accordance with the Expert Committee Report on Cost-Effective Long-Term Remedial Measures for Landslide-Prone Areas in Hilly Regions.
- Participating in technical discussions and providing expert inputs via email or video conferencing as required.

3. Eligibility Criteria

- **Educational Qualification:**
- **(i) Minimum:** - Graduate in Civil Engineering or equivalent from a recognized university.
- **(ii) Desirable** :- Master in Geotechnical Engineering
- **Age Limit:** Maximum age of 70 years. Initial empanelment for 2 years, extendable up to 70 years.
- **Disqualification:** Persons blacklisted by MoRTH, State PWDs, NHAI, NHIDCL, or any other Government organization are disqualified.
- **Professional Experience:**

For Hill Road Experts:



- a. At least 20 years of total professional experience, with a minimum of 10 years in the design / construction / supervision of hill roads and associated works, including alignment surveys, pavement design, slope protection, cross-drainage works, retaining structures, and tunnelling in hilly terrain.
- b. At least 15 years of professional experience in slope stability assessment, landslide investigation, Rockfall mitigation, and design of remedial measures for landslide-prone areas.
- c. **Modern Hill Road Construction Technology:** Experience in modern hill road construction practices such as mechanized rock cutting, soil nailing, rock bolting, shotcrete, reinforced earth retaining structures, geosynthetics applications, avalanche and snow galleries, and snow clearance operations.
- d. **Additional Qualifications:** Experience in DPR preparation, feasibility studies, alignment design, geometric design review, and project planning of hill roads. Preference may be given to candidates with a Ph.D. or Master's in Geotechnical Engineering, and Transportation Engineering.

For Retired Government/PSU Engineers:

Retired from the post of Superintending Engineer (SE) or equivalent (CGM, ED) and above from MoRTH, CPWD, NHAI, NHIDCL, BRO, State PWD, IRCON, Metro Rail Corporation, Indian Army (Corps of Engineers), etc., with at least 20 years of experience in design / construction / supervision of hill roads and related structures, including 5 years' experience in slope stability, landslide mitigation, and hill road alignment design.

4. Evaluation Criteria

The proposals will be evaluated based on the following criteria, with a minimum requirement of 75 marks out of 100:

Sr. No.	Description	Subcategory for Marks	Maximum Marks
1	General Qualification		25
1.1	Degree in Civil Engineering with experience in design and construction of Hill Roads		
1.1.1	Experience ≥ 20 years < 25 years	20	
1.1.2	Experience ≥ 25 years	25	
2	Ph.D./Master's degree in Geotechnical Engineering / Transportation Engineering		5
3	Experience in minimum of 10 years in Design / Construction / Supervision of Hill Roads, Pavement Design, Drainage & Cross-Drainage Works		25
3.1	Experience ≥ 10 years < 15 years	12	
3.2	Experience ≥ 15 years < 20 years	18	
3.3	Experience ≥ 20 years	25	
4	Experience in Slope Stability, Landslide Investigation & Mitigation, and Rock fall Protection Works		10
4.1	Experience ≥ 5 projects < 10 projects	04	
4.2	Experience ≥ 10 projects < 15 projects	07	
4.3	Experience ≥ 15 projects	10	
5	Experience in Modern Hill Road Construction Technologies such as soil nailing, rock bolting, shotcrete, reinforced earth retaining walls,		25

	geosynthetics, snow clearance, avalanche/snow galleries		
5.1	Experience \geq 1 project < 3 projects	12	
5.2	Experience \geq 3 projects < 5 projects	18	
5.3	Experience \geq 5 projects	25	
6	Additional Qualification: Experience in DPR preparation, feasibility study, geometric design review, or design of hill road projects in hilly terrains		10
6.1	Experience \geq 4 projects < 6 projects	04	
6.2	Experience \geq 6 projects < 8 projects	07	
6.3	Experience \geq 8 projects	10	
	Total Marks		100

5. Application Process

Interested Hill Road Experts must be registered on the INFRACON portal (www.infracon.nic.in) and upload their credentials and Curriculum Vitae. The duly filled application form, along with the INFRACON CV, should be submitted via post or email by 08.12.2025 to the following address:

Shri Mayur M. Shindekar

GM (Tech),
Hill Road Cell,
NHIDCL,
1st & 2nd floor, Tower-A, World Trade Center
Nauroji Nagar, New Delhi-110029
Contact No: 011-26768958
Email: hillroadcell.hq@nhidcl.com

NOTE 1: Any change or amendment to this EOI will be posted on the NHIDCL Website only.

NOTE 2: Incomplete applications or those received after the prescribed date shall be summarily rejected.

6. Terms of Reference (ToR)

I. Role and Responsibilities

The Hill road Expert shall be part of an expert committee or work on an individual basis to:

- Conduct site inspections of failed, completed, and ongoing structure such as Hill Road, Pavement Design, Drainage, and cross-Drainage, slope stability, Landslide & rock fall investigation & mitigation, Snow clearance etc. within NHIDCL projects.
- Submit detailed inspection reports within the specified timeline.

- Study and provide comment on the detailed project report (DPR) of Hill Road, Pavement Design, Drainage & Cross-Drainage etc., within the specified timeline.

II. Conflict of Interest & System Assessment

The Hill Road Expert must ensure there is no conflict of interest with any Contractor, Concessionaire, and Authority's Engineer (AE), Independent Engineer (IE), Supervision Consultant (SC), Design Director, Proof Consultant, DPR Consultant or any other entity associated with the project.

The Hill Road Expert shall:

- Evaluate the entire system in place by the Contractor, Concessionaire, or Consultant for the construction and maintenance of hill road.
- Review the level of implementation, supervision, and control mechanisms.

III. Reporting & Timelines

The committee or individual Hill Road Expert shall adhere to the following reporting and timelines for completion of assignment (T) by NHIDCL:

- **Preliminary Report Submission:** $T_1 = T + 4$, where T is the start date of the assignment at site.
- **Final Report Submission:** $T_2 = T_1 + 10$ days

IV. Compliance & Document Verification

The Hill Road Expert shall:

- Ensure compliance with specified requirements as published by IRC, MoRTH, NHA, BIS, and other relevant standards.
- Include all relevant details and documents in the report.
- Suggest suitable remedial measures and actions to restore failed structures and ensure the continuation of construction and O&M activities.
- Verify adherence to good engineering practices.

V. Implementation Arrangements

The Hill Road Expert may:

- Utilize field laboratories established by the Contractor for testing.
- Conduct specific tests in District/Regional/State level laboratories of the employer, NABL accredited labs, or Government engineering colleges.
- Receive full support from NHIDCL for tasks such as sample collection, transportation, and testing.
- Have complete access to project documents, assisted by the concerned GM (P) / DGM (P) of NHIDCL.



VI. Confidentiality

The Hill Road Expert shall not disclose any technical information or data relevant to the project to any third party without prior written permission from NHIDCL.

7. Remuneration and Expenses

Sr. No.	Particulars	Amount Payable
1	Per day fee during site inspection	Rs. 30,000/- per day
2	Lodging & Boarding charges per day	Lodging & Boarding will be arranged by concerned PMU, as per entitlement of ED level officers. During travelling their Food is arranged by RO/PMU Rs. 2000/- per day.
3	Travelling Expenses	(i) Economy class air fare/first class AC railway fare. (ii) If the travel from the residence to airport, railway station and back is by road then the fair pay will be Rs. 20/- per Km. Travel from Airport , railway station of visiting state will be arranged by concern RO/PMU. Note:- The tickets are to be purchased from Balmer Lawrie and company, Ashok Tours and travels or IRCTC. A copy of the ticket indicating the amount paid along with boarding pass is required to be submitted along with TA bill.
4	Travel by AC Taxi/by own car	Rs. 20/- per Km (Idle travel of own car after drop/ for pickup is not payable)
5	DA during journey period	Rs. 2,000/- DA per day
6	Fee for preparation of inspection report	Rs. 30,000/- (Lumpsum)
7	Fee for preparation of follow-up compliance report	Rs. 10,000/- (Lumpsum)
8	Fee for peer review of DPR	Rs. 30,000/- per DPR/project
9	Miscellaneous	No additional fee shall be payable for any other work.

Note:

- Lodging, boarding and travelling expenses may be allowed only for those experts who are residing 100 km away from the place of meeting/ Visit.
- The Expert may visit to the Northern States and Border States and also to Neighbouring countries for the projects entrusted to NHIDCL.
- The payment to the Hill Road Experts will be released after submission of final report by the expert committee on recommendation of concerned RO's after approval of Competent Authority.
- The payment to the Hill road experts will be released after the comments of Hill road DPR and its PATSC presentation recommended by concerned ED (T) and after approval of Competent Authority in NHIDCL.



Annexure- I

Recommendation for Empanelment of Hill Road Expert for Projects in NHIDCL

(For retired Government/PSU Engineers)

Format of Curriculum Vitae (CV) (For Empanelment as Special Project Monitor)	
	Affix recent photograph

A.	Personal Details			
1.	Name			
2.	Date of Birth (dd/mm/yyyy)			
3.	Correspondence Details			
	Address			
4.	Mobile Number			
5.	Alternate Contact Number			
6.	E-mail Address			
7.	Organization from which retired			
8.	Post from which retired			
9.	Date of Retirement			
10.	Membership of Professional Bodies			
B. Qualification (Graduation and above)				
S.No.	Year of Passing	Degree/Qualification	Institution/ University	Discipline
1.				
2.				
3.				

S.No	Employer/organisation	Post/Designation	From	To	Location/place of posting	Brief Description and duties and Responsibilities

C. Employment Details of 20 years prior to Date of retirement:-

D. Work Experience After Retirement Date						
S.No	Employer/Organization	Post/Designation	Duration		Location/place	Brief Description of Duties and Responsibilities
			From	To		
1.						
2.						
3.						
4.						

DECLARATION

I hereby declare that:

1. The information furnished above is correct.
2. The undersigned has not been debarred/blacklisted by any Government (Centre/State)/PSU or any other Organization.
3. It is also certified that at the time of superannuation, no disciplinary proceedings and/or vigilance cases and/or criminal cases were pending nor have they been initiated against me after retirement superannuation.

I, the undersigned, certify that to the best of my knowledge and belief, this Bio-Data furnished by me correctly describes my educational qualifications, my experiences and about myself. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if empanelled as Bridge Expert by NHIDCL.

Signature of the Candidate
(Name of the Candidate)

Date:

(On the letter head of the recommending authority. It should have full name, Designation, address and telephone number of the signatory, so that it can be verified.)

Date:-

To,
The Managing Director,
NHIDCL
1st & 2nd Floor, Tower-A, World Trade Center
Nauroji Nagar, New Delhi-110029

Subject: Recommendation for Empanelment of Bridge Expert for projects in NHIDCL Project

Sir,

Shri (name of the candidate), was a regular employee of (name of the State Government department/Government of India organisation/PSU) and has retired from the active service on (Date of retirement).

2. Shri... (name of the candidate) has high ethical standards and his/her integrity is beyond doubt. No penalty related to corrupt practices was imposed on him during his active Government service and no departmental enquiry is pending against him.

3. This department has no objection for his empanelment as Bridge Expert for Projects in NHIDCL.

Yours sincerely,

Signature of the Recommending Authority
(Name and Designation)

Annexure-II

(For Independent/Individual Engineer)

BIODATA FORMAT TO BE SUBMITTED WITH PROPOSAL

1. Proposed position
2. Name
3. Contact address with
Tel. No. & e-mail ID
4. Date of birth
5. Nationality
6. Educational qualification:
7. Other training
8. Language & degree or proficiency:
9. Membership of professional societies:
10. Countries of work experience
11. Name of the firm where working
(indicate whether full time/ part time employee or retainer)
12. Years with the firm
13. Employment record
Name of the employer
Position held
Description of duties
14. Overall Professional Experience in Bridge Engineering (in years)
15. Details of the Related Work Experience

Item	Sl.no	Brief description of the project/study	Name of the Client	Cost of Consultancy work (Rs. in lakhs)	Period of Completion		Description of the actual services provided by the key person
					Date of start	Date of Completion	

NOTE: -The CVs must be signed by technical personnel and counter-signed by authorized representative in ink on each and every page and should not be older than three months from the date of submission of application. Photograph of the Technical personnel shall be affixed on their respective CVs. The contact address with telephone / mobile number, e-mail ID of the Technical personnel should also be furnished. The CV must include the self-attested copies of the educational qualification for graduation and post-graduation in civil engineering. Distance/Correspondence Education for post-graduation shall not be acceptable. Unsigned CVs or CVs with incomplete information shall not be evaluated.

(For Consulting Firms)

RELEVANT SERVICES CARRIED OUT BY THE FIRM WHICH ILLUSTRATES THEIR BEST QUALIFICATIONS

Project Name		Country	Project location within Country
Date of Agreement:		Professional staff provided:	
Name and address of client:		a. No. of staff	
		b. no. of man-months	
Start date (month/year)	Completion date	Approx. value of consultancy services: (cost as per Agreement in INR(Lakhs) [In case of Agreement with proof shall be submitted])	
Whether project was done alone or as a JV or in association with other firm/firms:			
No. of man-months of professional staff provided by associated firm (s)			
Name of Senior staff involved and functions performed: (Functions performed by the associated firm (s) to be given separately)			
Narrative Description of Project:			
Length of Bridge (in m)		Span configuration of bridge (in m):	
Design review/proof Checking of Bridges			

Annexure-IV

Detailed Information in respect of TECHNICAL PERSONNEL available with the FIRM

S.no	Name	Academic Qualification Degree (Civil) /Masters*	Name of Academic Institute	Year of Passing	No. of years' experience in Bridge Engineering with type of bridges	Signature of respective technical personnel

Sign of the Authorized Signatory of the firm

- Doctoral /Masters in structural engineering with relevant experience may be preferred.

Annexure-V

Under taking regarding NON-DEBARRMENT/ BLACKLIST/DETAILS OF LITIGATION HISTORY

Annexure-VI

**Undertaking for willingness for availability for the assignment from the
person/firm**

DECLARATION/UNDERTAKING BY APPLICANT

I/We hereby solemnly undertake/declare that the particulars stated in this application for empanelment in NHIDCL are true and correct to the best of my/our knowledge and belief. Any information, if found to be incorrect, wrong or misleading, will render me/us liable to rejection of my/our application and cancellation of empanelment at any stage even after empanelment and suitable action as per concerned department will be taken against me/us.