

National Highways Infrastructure Development Corporation Limited
(Ministry of Road Transport & Highways)
EXPRESSION OF INTEREST (EOI)

EOI Reference No.: NHIDCL/HighwayAdministration/RoadSafety

Sub: Invitation for Expression of Interest (EOI) for assisting in preparation of an RFP for Engagement of a DPR Consultant for the Implementation of Intelligent Transportation Systems (ITS) on National Highways under the Jurisdiction of NHIDCL.

1. Background:

The National Highways and Infrastructure Development Corporation Limited (NHIDCL) under the Ministry of Road Transport & Highways (MoRT&H), Government of India, has been mandated for development and maintenance of the National Highways in North East Region & UT of J&K, Ladakh, Uttarakhand & A&N by providing 2 lane+PS / 4 lane connectivity and connectivity in major districts of North East Region. The key focus has been on providing 2L+PS/four-lane connectivity to NE region & ensuring smoother and more efficient transportation links between remote areas and regional hubs. This initiative is critical, as the NER, with its difficult terrain and lack of developed infrastructure, poses unique challenges for traffic management and overall connectivity. As more highways and four-lane roads are developed in the NER, traffic congestion is expected to increase, particularly in areas where urbanization and industrial growth are accelerating.

2. Purpose of EOI:

NHIDCL invites Expressions of Interest (EOI) from consulting firms to conduct a technical study and provide consultation for the preparation of a Request for Proposal (RFP) to engage consulting services for the implementation of Intelligent Transportation Systems (ITS) on National Highways corridors under the jurisdiction of NHIDCL. The state-wise details of these National Highways corridors are provided below:

| Sl. No. | State | NH No. | Corridor Name | No. of Packages | Total Length |
|---------|-------------------|---|--|-----------------|--------------|
| 1 | Arunachal Pradesh | 313 | Mekha-Roing-Hunli-Anini | 1 | 39 |
| 2 | | 713 | Joram-Koloring Road | 4 | 64 |
| 3 | | 113 | Hayuliang-Hawai Road | 1 | 11 |
| 4 | | 113 | Arrowa-Khupa-Hayuliang | 2 | 25 |
| 5 | Assam | NH 37/37A/52/52A (Old)/NH-127,715, 15 & 415 (New) | Nagaon - Hologni – Itanagar - Capital Connectivity Corridor 1 | 9 | 167 |

| | | | | | |
|----------------------|-------------|-------------------------------|--|----|-------------|
| 6 | | NH-37 (Old)/NH-715/2/15 | Numaligarh - Dibrugarh Connectivity Corridor | 14 | 194 |
| 7 | | NH 36 (Old)/NH-29(New) | Daboka - Lahorijan Connectivity Corridor | 7 | 118 |
| 8 | | 37/38 (Old)/NH-15 & 315 (New) | Dibrugarh - Ledo Connectivity Corridor | 5 | 116 |
| 9 | | NH-515 (New) | Kandulijan Gaon to Oyan Connectivity Corridor | 3 | 82 |
| 10 | | NH - 127B | Srirampur – Dhubri – Phulbari Connectivity Corridor | 2 | 54 |
| 11 | | NH - 137 (New) | Tamenglong to Mahur (Assam/Manipur) Connectivity Corridor | 4 | 80 |
| 12 | | NH 117/17 (New) & NH-62/215 | Hapachara-Tulungia-VIP Junction (Near LGBI Airport, Guwahati) (including Dudhnoi to Dainabubi) | 11 | 220 |
| 13 | Manipur | 137 | Tamenglong-Khongsang | 1 | 37 |
| 14 | | 137 | Tamenglong-Mahur | 6 | 96 |
| 15 | | 102 | Imphal-Moreh | 4 | 95 |
| 16 | | 102C | Parallel-Chandel | 1 | 18 |
| 17 | | Non NH | Moreh-Bypass | 1 | 2 |
| 18 | | 129A | Maram-Peren Corridor | 5 | 109 |
| 19 | | 137 | Imphal-Jiribam | 9 | 203 |
| 20 | | 102B | Churachandpur - Tuivai | 7 | 143 |
| 21 | Nagaland | 29 | Dimapur-Kohima & Dimapur Bypass | 6 | 77 |
| 22 | | 29 | Kohima - Jessami | 5 | 109 |
| 23 | Sikkim | 717A | Ranipool-Pakyong | 1 | 2 |
| 24 | | 717B | Rongli-Rolep-Menla | 1 | 10 |
| 25 | | 717A | Bagrakot-Reshi border | 5 | 77 |
| 26 | | 510 | Singtam-Tarku-Ravangla-Legship-Gyalshing | 1 | 16 |
| 27 | Uttarakhand | 7 | Char Dham Pariyojna | 3 | 100 |
| Total Length= | | | | | 2264 |

3. The Objective of the EOI:

The consulting firms/consultants will assist NHIDCL in preparation of RFP for DPR for ITS with respect to following:

(a) Assess Project Viability: The firms will assist in assessing the technical, economic, and financial feasibility of the project with regard to ITS implementation on the corridor.

(b) Technical Specifications to be catered in RFP for DPR of IRS. The required traffic control system to designed to continuously collect and monitor information on road conditions, traffic flow, violations, incidents, and weather or environmental factors which would gathered at the traffic control center and would provide real-time updates on road conditions, traffic, incidents, and weather to road users.

(c) Finalization of RFP with regard to functional & operational requirements as per corridor. This would entail hardware equipment & software finalization of RFP with regard to requirement of ATMS /TMS for the corridor including Traffic Monitor Camera System (TMCS), Video Incident Detection System (VIDS), Automatic Traffic Counter and Classifier (ATCC), Probe Data System, Central Processing System with Large Graphics Display, Interactive Variable Message Sign (VMS), Wireless Communication System, Vehicle Speed Detection System (VSD), requirement of Digital Communication System and Fibre Optic Cable etc.

(d) Finalization of required network infrastructure for data communication in the RFP.

(e) Finalization of DPR timelines. The project timelines shall be discussed thoroughly with the NHIDCL to understand and align the schedule to meet the project's requirements.

4. Eligibility criteria of firms for EoI:

The interesting firms should qualify the following criteria :

| Sl. No. | Min. Experience of the firm in last 7 Financial years | | Annual Turnover |
|---------|--|--|---|
| | Preparation of DPR | Project Supervision/IC | |
| 1 | Firm should have completed an ITS project of Road/ Highway/ Expressway/ Tunnel pertaining to Design preparation/ | Firm should have experience in ITS project of Road/ Highway/ Expressway/ Tunnel pertaining to Supervision during | Annual turnover (updated average of last 3 years) of the firm from consultancy business should be |

| | | | |
|--|---|--|--|
| | Feasibility study/ Preliminary design report, for a minimum length of 50 km. | implementation for ITS, for a minimum length of 50 km. | equal to or more than Rs. 5 Crore. |
| | The format for submission is attached in Appendix- A. | The format for submission is attached in Appendix- B. | The format for submission is attached in Appendix- C. |

5. Submission of proposal: The interested firms as per eligibility condition mentioned above may submit the proposal in the format attached in Annexure-I latest by date mentioned below.

The eligible consultancy firms along with the proposal would also submit the following:

(a) Draft TOR proposed to be incorporated in the RFP of DPR of NHs corridor mentioned above. This should include following points:

- (i) Scope of DPR work including proposed ATMS component of ITS.
- (ii) Standard & Design review mechanism.
- (iii) Implementation of ITS contract & supervision mechanism during civil construction.
- (iv) O&M mechanism.
- (v) Staffing & expertise requirement & schedule in DPR.
- (vi) DPR Deliverables timelines.
- vii) Payment schedule for DPR.

(b) pre-qualification & eligible criteria to be adopted for DPR consultant as per extant guidelines.

(c) Any other suggestion.

6. Evaluation Process:

Evaluation will be done against above stipulated minimum eligibility criteria. The application form not complying with the above eligibility criteria along with above technical proposal as per para 5 above will be rejected summarily.

7. Important Dates:-

Last date for submission of Application: 15.11.2024

For detailed Terms and Conditions please visit-www.nhidcl.com

The duly filled application form may be submitted through post or email on before 15.11.2024 on the following address & email.

Saurav Deo
DGM (Highway Administration Cell), NHIDCL
Room No. 107, 1st floor, Tower-A, World trade Center
Nauroji Nagar, New Delhi-110029
Contact No: - 011-26768958

Email: gmtroadsafety.hq@nhidcl.com,

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

Annexure-I

EOI proposal submission form.

From (Name of Firm)

To: (Name and Address of Client)

Sir/Madam:

Subject: Submission of Technical proposal for invited Expression of Interest (EOI) for assisting in preparation of an RFP for Engagement of a DPR Consultant for the Implementation of Intelligent Transportation Systems (ITS) on National Highways under the Jurisdiction of NHIDCL.

We, the undersigned, offer to provide the consulting services for the above proposal in accordance with your EOI dated (Date), and our Proposal. We are hereby submitting our Proposal, which includes this Technical Proposal for the above mentioned work.

Our Proposal is binding upon us. We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Managing Director/Head of the firm/ Authorised Representative of the firm.

Name of the firm

Address-

Appendix A

The DPR related information related to the firm should be provided in the following format along with proposal.

| S. No. | Name of project/ corridor | Type of corridor (NH/ SH/ Expressway) | Client | Role of firm as sole/ JV/ associate | Length | Consultancy work award Year | Awarded consultancy work cost & status as on date | ITS civil work cost & status of execution |
|--------|---------------------------|---------------------------------------|--------|-------------------------------------|--------|-----------------------------|---|---|
| | | | | | | | | |

Appendix B

The supervision related information related to the firm should be provided in the following format along with proposal.

| S. No. | Name of project/ corridor | Type of corridor (NH/ SH/ Expressway) | Client | Role of firm as sole/ JV/ associate | Length | Supervision Consultancy work award Year | Awarded consultancy work cost & status as on date | ITS civil work cost & status of execution |
|--------|---------------------------|---------------------------------------|--------|-------------------------------------|--------|---|---|---|
| | | | | | | | | |

Appendix-C

Financial Statement of the last three years.

| Sl. No. | Particular | 2021-22 | 2022-23 | 2023-24 |
|------------|--|---------|---------|---------|
| i. | Annual turnover from Consulting business | | | |

Balance Sheet/ Auditor Certificate of last 3 years (2021-2022, 2022-2023 & 2023-24) shall be submitted as evidence of Annual Turnover. The amount shall be stated in INR.