

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED
(NHIDCL)

(A Government of India Enterprise)

Corporate Office: 3rd Floor, PTI Building, 4 Sansad Marg, New Delhi – 110001

TENDER NO: NHIDCL/EPC/MAH-BRIDGE/2026/08/01

BID DOCUMENT FOR THE CONSTRUCTION OF AN EIGHT-LANE ICONIC CABLE-STAYED BRIDGE OVER THE CREEK IN THE STATE OF MAHARASHTRA ON EPC MODE INCLUDING OPERATION AND MAINTENANCE FOR A PERIOD OF 10 YEARS.

1. NOTICE INVITING TENDER (NIT)

1.1. Introduction

The National Highways & Infrastructure Development Corporation Limited (NHIDCL) (the "Authority") is engaged in the development of National Highways and strategic infrastructure.1 The Authority has resolved to construct an Eight-lane Iconic Cable-Stayed Bridge, including approaches and connectivity, in the state of Maharashtra (the "Project"). The Authority now invites bids from eligible entities for the execution of the Project on Engineering, Procurement, and Construction (EPC) basis.

1.2. Scope of Work (Brief)

The scope of work includes design, engineering, procurement, construction, and comprehensive operation and maintenance (O&M) of the bridge structure, approach roads, tolling plazas, and high-mast lighting systems.

1.3. Bidding Process

The bidding shall be conducted through the e-tendering portal of the Government of India (CPPP) and the NHIDCL e-portal. A single-stage, two-envelope bidding procedure (Technical and Financial) will be adopted.

2. TENDER SUMMARY (KEY DATES, EMD, FEES, VALIDITY)

2.1. Project Overview

Clause	Item	Details
2.1.1	Estimated Project Cost	₹ 2,850,00,00,000/- (INR Two Thousand Eight Hundred Fifty Crores Only)

Clause	Item	Details
2.1.2	EMD (Earnest Money Deposit)	₹ 28,50,00,000/- (INR Twenty Eight Crores Fifty Lakhs Only)
2.1.3	Tender Document Fee	₹ 1,00,000/- (Non-Refundable)
2.1.4	Construction Period	36 Months
2.1.5	Maintenance Period (DLP)	10 Years
2.1.6	Bid Validity	180 Days from the Bid Due Date

2.2. Schedule of Bidding Process

Event Description	Date & Time
Date of Issue of Tender	January 20, 2026
Pre-Bid Meeting Date	February 05, 2026, at 11:00 Hours
Last Date for Receiving Queries	February 10, 2026
Bid Due Date (Submission)	March 15, 2026, at 15:00 Hours
Opening of Technical Bids	March 16, 2026, at 15:30 Hours
Opening of Financial Bids	To be notified to technically qualified bidders

3. DEFINITIONS & ABBREVIATIONS

3.1. Definitions

- **"Authority"** means National Highways & Infrastructure Development Corporation Limited (NHIDCL).
- **"Appointed Date"** means the date on which the Agreement is signed or the date specified in the notice to proceed.
- **"Bidder"** means a single entity or a Consortium of entities bidding for the project.
- **"EPC Agreement"** means the Engineering, Procurement, and Construction agreement to be entered into between the Authority and the Contractor.

- **"Lead Member"** means the member of a Consortium nominated by the members to act on their behalf.²
- **"Project"** means the construction and maintenance of the iconic bridge as specified in the Scope of Work.

3.2. Abbreviations

- **BOQ:** Bill of Quantities
 - **DLP:** Defects Liability Period
 - **EMD:** Earnest Money Deposit³
 - **IRC:** Indian Roads Congress
 - **MoRTH:** Ministry of Road Transport and Highways
 - **QCBS:** Quality and Cost Based Selection
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4. SCOPE OF WORK

4.1. Engineering and Design

The Contractor shall be responsible for the complete topographical survey, geotechnical investigations, and hydrological studies. The design shall include:

- 4.1.1. Detailed Project Report (DPR) refinement.
- 4.1.2. Structural design of the Cable-Stayed Bridge using advanced FEM modeling.
- 4.1.3. Wind tunnel testing and seismic analysis for Zone IV compliance.
- 4.1.4. Design of approach viaducts, drainage systems, and crash barriers.

4.2. Procurement and Construction

The Contractor shall procure all materials including high-tensile steel, pre-stressing strands, high-grade concrete (M60 and above), and stay cables from approved vendors. Construction activities include:

- 4.2.1. Foundation work involving large diameter bored piles (up to 2500mm) in marine conditions.
- 4.2.2. Erection of Pylons exceeding 100 meters in height.
- 4.2.3. Segmental deck construction using launching girders or lifting frames.

- 4.2.4. Installation of sophisticated Health Monitoring Systems (SHMS) for the bridge.

4.3. Operation & Maintenance (O&M)

- 4.3.1. Routine maintenance of the pavement, bridge structure, cables, and bearings.
- 4.3.2. Management of Intelligent Transportation Systems (ITS) and tolling operations.
- 4.3.3. Emergency response and traffic management services.

5. TECHNICAL SPECIFICATIONS

5.1. Codes and Standards

All works shall be executed in accordance with MoRTH Specifications for Road and Bridge Works (Fifth Revision), relevant IRC Codes, and BIS Standards. In absence of local codes, AASHTO or Eurocodes shall be applicable with prior approval.

5.2. Material Specifications

- **Cement:** 53 Grade OPC conforming to IS:12269.
- **Steel:** TMT bars conforming to IS:1786 and Structural Steel conforming to IS:2062.⁴
- **Cables:** Galvanized wax-filled HDPE sheathed stay cables with Fatigue testing certification as per FIB standards.

6. ELIGIBILITY CRITERIA

6.1. Financial Eligibility

- 6.1.1. **Annual Turnover:** The Bidder (or Lead Member in case of Consortium) must have a minimum average annual turnover of ₹ 850 Crores over the last five financial years.
- 6.1.2. **Net Worth:** The Bidder shall have a positive Net Worth at the close of the preceding financial year.

6.2. Experience Criteria

The Bidder must have successfully completed or substantially completed:

- 6.2.1. One Bridge/Flyover project costing not less than ₹ 2,280 Crores; OR

- 6.2.2. Two Bridge/Flyover projects costing not less than ₹ 1,425 Crores each; OR
- 6.2.3. Three Bridge/Flyover projects costing not less than ₹ 1,140 Crores each.
- 6.2.4. **Mandatory Experience:** At least one bridge project must involve Cable-Stayed or Extra-dosed bridge construction with a main span of at least 150 meters.

6.3. Certifications

The Bidder must possess valid ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018 certifications at the time of bid submission.

7. COMMERCIAL / FINANCIAL CONDITIONS

7.1. Earnest Money Deposit (EMD)

The EMD shall be submitted in the form of a Bank Guarantee (BG) from a Scheduled Commercial Bank in India. BGs from Cooperative Banks will not be accepted.

7.2. Performance Security

The successful Bidder shall furnish a Performance Security for an amount equal to 5% of the Contract Price.⁵ An additional Performance Security may be required in case of Abnormally Low Bids.

7.3. Payment Milestones (Stage Payment System)

Stage	Milestone Description	Payment Percentage
1	On signing of Agreement and Mobilization	10% (Against BG)
2	Completion of Foundation work (All Piles/Wells)	15%
3	Completion of Substructure (Pylons & Piers)	20%
4	Completion of Superstructure (Deck Erection)	30%
5	Completion of Finishing (Surfacing, Lighting, Barriers)	15%
6	Upon Issue of Provisional Completion Certificate	10%

8. BID SUBMISSION PROCESS

8.1. Online Submission Steps

1. Bidders must register on the CPPP portal (etenders.gov.in).
2. The Technical Bid and Financial Bid must be uploaded separately in the designated folders.
3. All documents must be digitally signed by the Authorized Signatory.

8.2. Document Checklist

- Power of Attorney for Authorized Signatory.
- Joint Bidding Agreement (for Consortia).
- Technical Experience Certificates with Client authentication.
- Audited Financial Statements for the last 5 years.
- Integrity Pact (duly signed).

9. EVALUATION CRITERIA

9.1. Evaluation Methodology

The Authority will adopt a Quality and Cost Based Selection (QCBS) framework.

- **Technical Weightage (\$T_w\$):** 70%
- **Financial Weightage (\$F_w\$):** 30%

9.2. Technical Scoring

Bidders will be scored based on project experience (40 points), methodology & work plan (30 points), and key personnel qualifications (30 points). A minimum technical score of 75 is required to qualify for Financial Bid opening.

9.3. Financial Evaluation

The lowest Financial Proposal (\$F_m\$) will be given a financial score (\$S_f\$) of 100 points. The financial scores of other proposals will be computed as follows:

$$S_f = 100 \times \frac{F_m}{F}$$

Where \$F\$ is the price of the proposal.

10. COMPLIANCE REQUIREMENTS

The Contractor shall comply with all labor laws, environmental regulations (CRZ clearances), and safety norms. All plant and machinery deployed must be in good working condition and not older than 5 years.

11. SLA, PENALTIES & LIQUIDATED DAMAGES

11.1. Liquidated Damages for Delay

If the Contractor fails to achieve project milestones, Liquidated Damages shall be levied at the rate of 0.05% of the Contract Price for every day of delay, subject to a maximum of 10% of the Contract Price.

11.2. Bonus for Early Completion

In the event the Project is completed 30 days or more before the Scheduled Completion Date, a bonus of 0.03% of the Contract Price per day of early completion shall be paid.

11.3. O&M Penalties

Failure to repair a pothole within 48 hours: ₹ 10,000 per instance/day. Failure of bridge lighting: ₹ 5,000 per day.

12. TERMINATION & EXIT CLAUSES

12.1. Termination for Contractor Default

The Authority may terminate the contract if the Contractor:

1. Fails to renew Performance Security.
2. Abandons the work or becomes bankrupt.
3. Fails to adhere to the safety manual resulting in fatal accidents.

12.2. Exit Management

Upon completion of the 10-year O&M period, the Contractor shall hand over the bridge in a "Good Working Condition" as defined in the Maintenance Manual. A Handover Inspection will be conducted 6 months prior to the expiry of the O&M period.

13. LEGAL & ARBITRATION CLAUSES

13.1. Dispute Redressal Committee (DRC)

Before invoking arbitration, the parties shall attempt to settle disputes through a DRC consisting of three high-ranking officials from NHIDCL and the Contractor's management.

13.2. Arbitration

Unresolved disputes shall be referred to the Society for Affordable Redressal of Disputes (SAROD). The venue of arbitration shall be New Delhi. The proceedings shall be in English.

14. FORCE MAJEURE

Force Majeure includes, but is not limited to, lightning, earthquake, fire, flood, storm, war, or any other event beyond the control of either party.⁶ The affected party must notify the other within 7 days of the occurrence. Cost compensation is generally not provided for Force Majeure, but extension of time (EoT) may be granted.

15. CONFIDENTIALITY & DATA PROTECTION

The Contractor shall not disclose any technical data, design calculations, or security protocols of the bridge to any third party without written consent. This obligation survives the termination of the contract for 5 years.

16. INTEGRITY PACT / ANTI-CORRUPTION CLAUSE

Bidders are required to enter into an Integrity Pact with the Authority. Any proof of bribery, collusion, or coercive practices will result in:

- 1. Immediate disqualification.
 - 2. Forfeiture of EMD/Performance Security.
 - 3. Blacklisting for a period of up to 5 years.
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17. RISK ALLOCATION

Risk Type	Allocation
Design Risk	Contractor
Statutory Clearances (Environment/Forest)	Authority
Utility Shifting	Contractor (under Authority's supervision)
Land Acquisition	Authority (90% availability before Appointed Date)

Risk Type	Allocation
Changes in Law	Shared

18. ANNEXURES

Annexure A: Technical Form (Project Experience)

- Project Title and Location.
- Year of Commencement and Completion.
- Final Contract Value.
- Technical Details (Main span length, Pylon height, Construction method).

Annexure B: Financial Bid Format

- Total Lump Sum Price for Construction.
- Year-wise O&M Quote for 10 years.
- Applicable GST.

Annexure C: Declaration Templates

- Self-declaration of not being blacklisted.
- Declaration of site visit and local condition assessment.

19. SAMPLE BOQ TABLE (ILLUSTRATIVE)

Item No	Description of Work	Unit	Quantity
1.0	Earthwork and Site Clearance	Cum	4,50,000
2.0	Piling Work (2000mm dia)	Rmt	12,000
3.0	Concrete M60 Grade for Pylons	Cum	35,000
4.0	High Tensile Stay Cables	MT	2,800
5.0	Expansion Joints (Modular)	Rmt	180

20. FINAL INSTRUCTIONS TO BIDDERS

1. **Site Visit:** Bidders are strongly advised to visit the site to understand tidal variations and soil conditions.⁷
2. **Clarifications:** All queries must be submitted in the format: [Clause No] | [Tender Text] | [Query].
3. **Submission:** Late bids will be rejected by the e-portal automatically. Ensure stable internet connection during the upload process.
4. **Consortium:** Maximum of 3 members allowed. The Lead Member must hold at least 51% equity.

Sd/-

Executive Director (T)

NHIDCL, New Delhi