

# NATIONAL HIGHWAYS INFRA PROJECTS PRIVATE LIMITED

Registered Office: G 5 & 6, Sector-10, Dwarka, New Delhi

Email: [procurement@nhit.co.in](mailto:procurement@nhit.co.in)

**Request for Proposal (“RFP”) issued by National Highways Infra Projects Private Limited (NHIPPL) for empanelment of vendor Road Marking works NHIPPL.**

<b>BID SUMMARY</b>		
1.	Last date and time for receipt of Bidding Documents	26 <sup>nd</sup> April 2024 up to 17:00 Hrs.
2.	Date and Time of Opening of Bids	26 <sup>nd</sup> April 2024 up to 18:00 Hrs.
3.	Place of opening of Bids	NHIPPL – Unit 324, D21 Corporate Park, Sector 21, Dwarka, New Delhi.

- Note: - Bids will be opened in the presence of bidders who choose to attend as above.

Tender Reference No. – NHIT/FY24-25/RFP Road Marking/CKRP

Date of Issue – 22.04.2024

**NATIONAL HIGHWAYS INFRA PROJECTS PRIVATE LIMITED (NHIPPL)**

Unit 324, D21 Corporate Park, Sector 21,  
Dwarka, New Delhi - 110077

Email: [procurement@nhit.co.in](mailto:procurement@nhit.co.in)

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## **Disclaimer**

The information contained in this Request for Proposal ("RFP") or subsequently provided to Bidder(s), in documentary or any other form by or on behalf of NHIPPL, by persons authorized to do so, is provided to the interested parties on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is neither an offer nor an invitation by NHIPPL to interested parties who submit their quote (henceforth "Bidders") in response to this RFP. The purpose of this RFP is to provide Bidders with information that may be useful to them in preparing and submitting their proposals ("Proposal") for Empanelment of Vendor for Road Marking works for NHIPPL.

NHIPPL makes no representation or warranty and shall have no liability to any person or Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained herein or deemed to form part of this RFP or arising in any way from this process.

A Bidder must warrant that all the information provided by it to NHIPPL at the time of application & subsequently, is true to the best of its knowledge and belief, and specially warrants that it has duly complied with the provisions of laws applicable to it. Bidder indemnifies NHIPPL from any liabilities arising out of error or default or negligence or contravention in regard to any of the applicable laws, including, but not limited to, submission of statutory forms & other such documents.

The issue of this RFP does not imply that NHIPPL is bound to select any Bidder(s) or select any Bidder(s) for any project. NHIPPL may accept or reject any proposal in its discretion and may ask for any additional information or vary its requirements, add to or amend the terms, procedure and protocol set out in RFP for bona fide reasons, which will be notified to all the Bidders invited to tender. Further NHIPPL hereby reserves its right to annul the process or renegotiate the final offering at any time prior to issuance of Purchase Order without incurring any liability towards the Bidders.

The Bidders shall bear all costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by NHIPPL, or any other costs incurred regarding or relating to its Bid. All such costs and expenses will remain with the Bidder and NHIPPL shall not be liable in any manner for the same or for any other costs or expenses incurred by a Bidders in preparation or submission of the Bid, regardless of the conduct or outcome of this RFP and the related processes.

## 1. Section 1 – Notice inviting Tender.

1.1. The National Highways Infra Projects Private Limited (hereinafter referred to as “NHIPPL”), invites bids from reputed parties for empanelment of vendor for Road Marking Works at Chittorgarh-Kota Toll Road Project for NHIPPL. herein referred to as “Applicant”/” Bidder”

The Term Applicant / Bidder would be used interchangeably.

1.2. Vendor will be selected under the Cost Based Selection Method as described in this RFP and in accordance with the practices of NHIT.

1.3. Service Provider shall initially be appointed for a period of One year. Based on the performance of the Service Provider, NHIPPL may extend the term of the Service Provider’s appointment at its sole discretion.

1.4. The RFP includes the following documents:

- Section 1 – Notice Inviting Tender
- Section 2 – Instructions to Bidders
- Section 3 – Form of Financial Proposal
- Section 4 – Undertakings

1.5. The RFP is uploaded on the website of National Highways Infra Trust (NHIT) at [www.nhit.co.in](http://www.nhit.co.in)

1.6. Brief Description of Bidding Process

1.6.1. NHIPPL has adopted a single stage evaluation process for selection of the Bidder(s) for award of the works: the financial bid (the “Financial Bid”) containing the amount quoted by the Bidder shall be submitted in physical form in the prescribed format (To clarify, the documents should be serially numbered and hard/spiral bound) in the manner specified, and before the date and time specified herein.

1.6.2. Only those Bidders whose Bids are found to be responsive and meeting the Minimum Eligibility Criteria (hereinafter referred to as “Technically Qualified Bidders”) in terms of this RFP, shall be invited to participate in the opening of their Financial Bids. The Technically Qualified Bidders may send their authorized representatives along with authorization letter on the letter head of the bidder for participation in the opening of the Financial Bid. The date and time of opening of Financial Bids of such Technically Qualified Bidders, will be informed to them separately by NHIPPL through email or uploaded on the NHIT website at <https://nhit.co.in> . The Financial Bids will be opened physically at the location provided in such communications. Only one representative of the Technically Qualified Bidder shall be allowed to attend the opening of the Financial Bids.

1.6.3. The Financial Bid of each technically qualified bidder shall be opened and evaluated.

1.7. Any queries or request for additional information concerning the RFP shall be submitted in writing and/or e-mail to the officer designated below. The envelope / email communication shall clearly bear the following identification/title:

“Queries/Request for Additional Information: RFP issued by National Highways Infra Projects Private Limited for empanelment of vendor for Road Marking Works for National Highways Infra Projects Private Limited (NHIPPL).

**1.8. Address for Communication:**

National Highways Infra Projects Private Limited,  
Unit 324, D21 Corporate Park, Sector -21,  
Dwarka, New Delhi, 110077  
E mail: [procurement@nhit.co.in](mailto:procurement@nhit.co.in)

**1.9. Schedule of Bidding Process:**

The NHIPPL shall endeavor to adhere to the following schedule: Any changes to the following schedule shall be informed to the Bidders through email communication.

<b>S.No.</b>	<b>Description of Events</b>	<b>Timeline</b>
1	Last date for receiving queries from bidders	23.04.2024
2	Pre-bid queries	By Email
3	NHIPPL's response to queries latest by	24.04.2024
4	Bid due date (Last date for bid submission)	26.04.2024, 17:00 Hrs
5	Opening of Bids	26.04.2024, 18:00 Hrs
6	Letter of Award (LOA)	Will be intimated later
7	Technical Presentation	Not Required
8	Validity of proposals	120 days from Bid Due Date

## 2. Section 2 – Instructions to Bidders

### 2.1. Introduction:

About the company: Please refer our website [www.nhit.co.in](http://www.nhit.co.in).

### 2.2. Proposal:

2.2.1. NHIPPL seeks proposal for the empanelment for vendor. Detailed scope of work as given in Section 3 – Scope of Work of the RFP document (“Services”).

### 2.3. Clarification and Amendment of RFP Documents

2.3.1. Bidders may request for clarifications on any of the RFP documents up to the time mentioned in Section 1. Any request for clarification must be sent in writing to NHIPPL’s address indicated in the RFP or by e-mail to [procurement@nhit.co.in](mailto:procurement@nhit.co.in) NHIPPL will respond in writing, or by e-mail/ uploading responses on website or will send written copies of the response (including an explanation of the query but without identifying the source of inquiry) to all Bidders. Should NHIPPL deem it necessary to amend the RFP as a result of a clarification, it shall do so following the established procedure and inform the Bidders of the same through written communication or by uploading it on the website of NHIT.

2.3.2. At any time before the submission of the Bids, NHIPPL shall have the right to amend the RFP by issuing an addendum/ amendment in writing or by standard electronic means. The addendum/ amendment shall be uploaded on the website of NHIT at <https://nhit.co.in> which will be binding on all Bidders. To give Bidders reasonable time for considering the addendum/ amendment in their Bids, NHIPPL may, if the addendum/ amendment is substantial, at its discretion, extend the deadline for the submission of Bids.

2.3.3. It will be the responsibility of the Bidders to keep track of any uploaded addendum/ amendment before submission of the Bid.

### 2.4. Submission of Proposal:

2.4.1. The proposal shall be submitted as indicated below:

2.4.1.1. Sealed Envelope, containing the Bid of the Applicant. The proposal should be in the manner and format as prescribed in RFP.

2.4.2. Proposals (i.e. the aforesaid two envelopes put in a single sealed envelope marked as “**Bid - Proposal for empanelment of vendor for Road Marking works**” should reach the undersigned, latest by date/time mentioned in the Section 1 - Notice inviting Tender, in hard copies/in original and shall remain valid for 120 days thereafter. The proposal should be signed by the authorized signatory the Bidder, supported by the relevant authorization document. No Proposal will be entertained after the due time and date, as stated above. NHIPPL shall not be responsible for any delay whatsoever in nature. The proposals received after the due time and date, will be summarily rejected.

2.4.3. NHIPPL reserves the right to accept or reject any or all the offers received without assigning any reason. For any clarification, you may feel free to contact the undersigned.

**2.5. Modification/Substitution/Withdrawal of Bids:**

2.5.1. The Bidder may substitute or withdraw its bid after submission prior to the Bid due date. No Bid shall be allowed to be substituted or withdrawn by the Bidder on or after the Bid due date.

2.5.2. Any alteration/modification in the Bid or additional information supplied after the Bid Due Date, unless the same has been expressly sought for by NHIPPL, shall be disregarded.

2.5.3. Partial modification of the Bid is not allowed. The Bidder will have to submit the revised bid again in a sealed envelope, as per clause 4 above, mentioning "Revised Bid" on the top of the sealed envelope and the original bid envelope will be returned to the Bidder. No Technical or Financial Bid may be modified after the Bid Due Date. Withdrawal or modification of Technical or Financial Bids between the Bid Due Date and Expiration of Bid validity shall result into disqualification from the bidding process.

**2.6. Opening and Evaluation of the Bids:**

2.6.1. The Technical Bids will be opened after the due date at the time prescribed in the RFP document in the presence of the Bidders who choose to attend. NHIPPL will subsequently examine and evaluate the Bids in accordance with the provisions set out herein.

2.6.2. Financial Bid of non-responsive Bidders shall not be opened.

2.6.3. To assist in the examination, evaluation, and comparison of Bids, NHIPPL may, at its discretion, ask any Bidder for clarification of its Bid. The request for clarification and the response shall be in writing or by e-mail, but no change in the price or substance of the Bid shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by NHIPPL in the evaluation of the Bids.

2.6.4. The Bidders would be evaluated on the criteria mentioned in Section 4 of this RFP and shortlisted for the purpose of opening of their Financial Bids.

2.6.5. Except in case any clarification is asked by NHIPPL, no Bidder shall contact NHIPPL on any matter relating to its Bid from the time of the Bid opening to the time the contract is awarded. If any Bidder wishes to bring additional information to the notice of NHIPPL, it should do so in writing at the address prescribed in the Notice Inviting Tender.

2.7. Prior to evaluation of the Bids, the NHIPPL shall determine as to whether each Bid is responsive to the requirements of this RFP document. A Bid will be declared non-responsive in case:

- If a Bidder submits more than one Bid against this RFP.
- The physical bid submissions are incomplete/ inadequate to the requirements of the RFP Documents.
- Documents are submitted loose. (To clarify, the documents should be serially numbered and be submitted in hard bound / spiral bound).

- If in case the Power of Attorney or the Authority Letter is not provided as per Paragraph 16 of this Section.
- If a Bidder submits a conditional Bid or makes changes in the terms and conditions given in this RFP document.
- Failure to comply with all the requirements of RFP document by a Bidder.
- If the Bid is not submitted in the formats prescribed in the RFP document.
- If any requisite document/ certificate is not in the prescribed format the same shall not be considered while evaluating the bids and the same may lead to Bid being declared as non- responsive.
- If the envelope containing physical submission is not sealed and marked as prescribed in the RFP document.
- A Bid valid for a period of time shorter than prescribed in the RFP document.

**2.8. Conflict of Interest:**

- 2.8.1. Bidders at all times shall provide professional, objective, and impartial advice and at all times hold the NHIPPL, NHIT and SPVs under NHIT interest paramount, strictly avoid conflicts with other assignments or their own corporate interests and act without any consideration for future work, No two Bidders can have same constituents or any such arrangement pursuant to which any third party is in a position to have access to confidential information of each other.
- 2.8.2. NDA clause to be signed between NHIT entities and the vendor post release of the LOA if required by NHIPPL.

**2.9. Fraud & Corruption:**

- 2.9.1. Bidders would be required to observe the highest standard of ethics during the selection and execution of such work NHIPPL defines:
  - 2.9.1.1. “Corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the selection process or in contract execution; and
  - 2.9.1.2. “Fraudulent practice” means a misrepresentation of facts in order to influence a selection process or the execution of a contract to the detriment of the NHIPPL and includes collusive practices among bidders (prior to or after submission of proposals) and to deprive the NHIPPL of the benefits of free and open competition.
- 2.9.2. NHIPPL will reject a proposal for appointment if it determines that the bidder recommended for empanelment has engaged in corrupt or fraudulent activities in competing for the work in question.
- 2.9.3. NHIPPL will declare a bidder ineligible, either indefinitely or for a stated period of time, to be engaged if it at any time determines that the bidder has engaged in corrupt or fraudulent practices in the bidding process for empanelment for the subject work.



2.9.4. The bidder declared ineligible for corrupt and fraudulent practices by NHIPPL in accordance with the above paras shall not be eligible for selection.

**2.10. Consortium of Bidders is not allowed.**

**2.11. Minimum Eligibility Criteria:**

Sr. No.	Basic Requirement	Eligibility Criteria	Document to be submitted
1	Legal Entity	The bidder should be a Legal Entity registered under the Companies Act, 2013 or the Companies Act, 1956 OR a Limited Liability Partnership (LLP) registered under the LLP Act, 2008 or Indian Partnership Act 1932.	Copy of Certificate of Incorporation/Registration /Partnership deed
2	Office	The bidder must have a local office in India.	Copy of address proof
3	Turnover	The bidder should have an average annual turnover of at least 1.5 Cr in last three financial years. (FY 2021-2022 & 2022-2023, 2023-2024)	Certificate from the Statutory Auditor / Chartered Accountant
4	Net worth	The bidder should have positive net worth as per last three years audited financial report.	Certificate from the Statutory Auditor/ Chartered Accountant
5	Blacklisting	The bidder should not be debarred/ blacklisted by any Government/PSU in India as on date of submission of the Bid.	Letter signed by the Authorized in format given in the RFP.
6	Legal	The bidder should not be subjected to any legal action for any cause in any legal jurisdiction in the last five years.	Letter signed by the Authorized Signatory
7	Capability	The bidder should have completed or be currently executing similar works which is related to the CPSU/SPSU/Gov. companies/ Gov. organizations / Regulatory authorities.	Work Order / Completion certificate from client.
8	Tax Payment	The bidder must have a valid GST Registration and PAN in India.	Valid copy of the certificate
9	Empanelment	Two or more bidder to be empanelled	

Sr. No.	Basic Requirement	Eligibility Criteria	Document to be submitted
10.	Land Border	<p>The bidder should not be from a country which shares a land border with India unless the bidder is registered with the Competent Authority (as detailed in Office memorandum-F.No.6/18/2019PPD of Dept. of Expenditure, Ministry of Finance). Bidder from a country which shares land border with India means:</p> <ol style="list-style-type: none"> <li>a. An entity incorporated, established, or registered in India; or</li> <li>b. subsidiary of an entity incorporated, established in India or</li> <li>c. An entity substantially controlled through entities incorporated, established, or registered in India; or</li> <li>d. An entity whose beneficial owner is situated in India; or</li> <li>e. An Indian (or other) agent of such an entity;</li> </ol>	<p>A declaration on letter head of bidder duly signed by Authorized Signatory stating the following is to be submitted:          "We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. We certify that we are not from such a country. or if from such a country, have been registered with the Competent Authority. We hereby certify that we fulfill all requirements in this regard and are eligible to be considered".</p>

**Dis-qualification Criteria:**

The company may at its sole discretion and at any time during the evaluation of proposal, disqualify any respondent, if the respondent:

- 2.12.1. Submitted the proposal documents after the response deadline.
- 2.12.2. Made misleading or false representations in the forms, statements and attachments submitted in proof of the eligibility requirements.
- 2.12.3. Failed to provide related clarifications, when sought.
- 2.12.4. Respondent declared ineligible by CPSU/SPSU/Government companies/ Government organizations/ regulatory authorities for corrupt and fraudulent practices or blacklisted.

**2.13. Financial Proposal:**

2.13.1. After the short listing of Bidders based on their Technical Proposal including the presentation, the Financial Proposals of only Technically Qualified Bidders would be opened. The Technically Qualified Bidders, if they so desire, may remain present at the time of opening of the Financial Proposals. The date and time of opening of the Financial Proposals would be shared with the Technically Qualified Bidders.

**2.14. Procedure for Empanelment of Vendor:**

- 2.14.1. Post qualification of the minimum eligibility criteria, the bidder(s) will be selected under Cost Based Selection method as described in this section and in accordance with the practices of NHIPPL. Proposals will finally be ranked Financial Score (FS), All empanelled bidders have to match price bid of lowest bidder in order to be eligible for empanelment.
- 2.14.2. NHIPPL proposes to appoint two or more vendors.
- 2.14.3. Timelines & Payment Schedule: Payment shall be Invoice based and shall be made only post submission of invoice as per following milestones:

S.N.	Category	Milestone	Payment
1	Completed works		Invoice amount ex. GST and other retention / deductions.

**2.15. Documents to be submitted along with the Technical Bids:**

- 2.15.1. Either power of attorney or an authority letter from Partner/ Board / Managing Committee of the Bidder entity should be provided for authentication of the authorized signatory signing the Bid document.
- 2.15.2. Technical bid in the form provided in the RFP duly signed by the authorized representative of the bidder on all pages.
- 2.15.3. Detailed profile of the Bidder certified by Authorized Signatory of the Bidder
- 2.15.4. Documents in support of the claims of Bidder regarding eligibility/ experience duly signed by the authorized representative of the bidder on all pages. NHIPPL may ask for 3rd. party certificates from the Bidder(s), at a later stage.

2.15.5. Undertaking in the format provided in the RFP duly signed by the authorized representative of the bidder on all pages.

**2.16. Financial Bids / Fees**

2.16.1. The Bidder is required to submit financial proposal as per Financial Proposal.

2.16.2. The fee quoted should be unconditional.

2.16.3. Letter of Award (LoA) shall be issued from the respective entity and the respective entity shall pay the Service Provider the fees as per the Financial Proposal of the Bidder, as sole compensation for the performance of the Services.

2.16.4. The fees shall be payable as per payment schedule after submission of appropriate tax invoice.

**2.17. Dispute Resolution:**

Any dispute arising out of the RFP, which cannot be amicably settled between the parties, shall be referred to arbitration in accordance with the Arbitration and Conciliation Act, 1996 through a panel of three arbitrators, with each of NHIPPL and the remaining disputing party(s) appointing one arbitrator and the two arbitrators so appointed appointing a third arbitrator. Provided that in the event that any disputing parties fail to appoint an arbitrator within 15 days from the dispute being referred to arbitration, the other parties shall be at liberty to appoint an arbitrator for such disputing party(s) and such appointment shall be final and binding on the other disputing parties. The venue of the arbitration shall be at New Delhi.

**2.18. Governing Law and Jurisdiction**

This RFP and the subsequent agreement between the parties shall be interpreted by and shall be governed and construed in accordance with the laws of India. The Courts at New Delhi, India shall have sole jurisdiction over all matters arising out of or relating to this agreement.

### 3. Section 3 – Technical Specification

#### 3.1. Introduction:

NHIPPL is looking to empanel vendors for Highways Road Marking works. This section contains the Scope of Work for the services that needs to be delivered.

#### 3.2. Location:

Chittorgarh-Kota Toll Road Project.

#### 3.3. Scope of Work shall include:

Thermoplastic Road Marking plays a crucial role in guiding drivers, pedestrians, and cyclists, ensuring a smooth and organized flow of traffic.

We are looking forward to empanelling vendors for Chittorgarh-Kota Toll Road (Highway) project for Thermoplastic Road Marking works. Work must be done as per NHA Guidelines and latest IRC norms.

Stage No	Chainage		Tentative Qty
	From	To	
Stretch-1	891+929	907+500	30,000.00
	908+500	941+500	
Stretch-2	941+500	992+750	35,000.00
	993+750	999+000	
Stretch-3	999+000	1000+900	25,000.00
	1001+900	1010+060	
	1024+100	1052+429	

- Make of material will be as per specifications of **MoRTH V Revision** and **IRC35:2015**.
- Vendor has to follow all safety requirements as per **IRCSP:55 2014** guidelines.
- maintain uniformity and adherence to safety standards.
- Vendors need to use of durable materials that can withstand varying weather conditions, UV exposure, and the wear and tear caused by vehicular traffic.
- Standards set criteria for the level of retro reflectivity required, ensuring that markings remain visible in low-light situations.

3.4. Vendor has to follow EHS requirements as per EHS Terms & Conditions (Annexure-1) of NHIT.

For Execution:

#### **Preparation of the Surface**

- **Scraping of Existing Damaged Road Marking:** This step involves removing any existing road markings that have deteriorated or are no longer up to standard. This is typically done using mechanical methods like grinding to ensure that the old markings are thoroughly removed and do not interfere with the adhesion of the new markings.
- **Surface Cleaning:** After scraping, the surface needs to be thoroughly cleaned to remove all dust, debris, and loose particles. This ensures proper adhesion of the primer and the new marking paint. Cleaning methods may include sweeping, air blasting, or washing with water, depending on the level of cleanliness required and the specific conditions of the pavement.

#### **Application of Primer**

- **Priming the Surface:** Applying a primer is crucial on concrete surfaces to enhance the bonding of the thermoplastic road marking paint. The primer acts as a binder between the relatively non-porous concrete surface and the thermoplastic material, improving the durability and efficacy of the markings.

#### **Application of Road Marking**

- **Application of Thermoplastic Road Marking Paint:** This is the final step, where thermoplastic paint is applied. Thermoplastic markings are known for their durability, reflectivity, and resistance to wear, making them suitable for high-traffic areas. The application is typically done using specialized equipment that heats the thermoplastic material to the required temperature before it is sprayed or extruded onto the pavement.

#### **Costing Implications**

- **Inclusive Rate:** The rate for road marking should be comprehensive, covering all the preparatory work (scraping of existing markings and surface cleaning), primer application, and the actual application of thermoplastic paint.

#### **Quality and Compliance:**

- Ensuring that each step is carried out to a high standard is essential for compliance with MoRTH (Ministry of Road Transport and Highways, India V Revision) guidelines and standards, such as those specified in IRC: 35-2015 and other relevant documents.

#### **Warranty:**

- **Durability Requirement:** The road markings should have a functional life of at least two years. This implies that the materials used, and the application technique must be robust enough to withstand traffic and environmental conditions for this period without significant degradation.
- **Performance Parameters:** These are likely metrics related to the visibility, reflectivity, skid resistance, and possibly the wear resistance of the road markings. The standard (IRC: 35-2015) you mentioned will specify the minimum acceptable levels for these parameters to ensure that the road markings remain effective and safe for road users.
- **Warranty Period:** During this period, the contractor or the entity responsible for the road markings must ensure that all performance parameters meet or exceed the specified thresholds. Any failure to maintain these standards may require remedial work to be undertaken at the contractor's expense.
- **Monitoring and Inspection:** Inspections are to be conducted twice a year to assess whether the road markings meet the required standards. These inspections should be performed by the Employer or the Independent Engineer (IE). The methodology for these inspections should follow the procedures outlined

in Section 15 of IRC: 35-2015. This section would detail how to measure each performance parameter, the equipment to use, and how to interpret the results.

- **Random Section Testing**: The specific sections of the road network where the testing is to be done are selected randomly. This approach ensures that the evaluation is unbiased and representative of the overall condition of the road markings across the network.

**Initial and Minimum Performance for Dry Retro Reflectivity during Nighttime**

S. No.	Design Speed	(RL) Retro-Reflectivity (mcd/m <sup>2</sup> /lx)	
		Initial (7 Days)	Minimum Threshold Level (TL) and Warranty Period Required up to 2 Years
1	Up to 65	200	80
2	65 - 100	250	120
3	above 100	350	150

(ii) **Wet Retro-reflection**

Wet retro-reflectivity shall be compliant

**Initial and Minimum Performance for Night Visibility under Wet Conditions**

S. No	(Rw) Retro - Reflectivity (mcd/m <sup>2</sup> /lx)	
	Initial (7 Days)	Minimum Threshold Level
1	100	50

**Performance Criteria**

The performance criteria given here under are meant to be used on white colour pavement markings only.

1 *Daytime Visibility*

The luminance coefficient under diffuse illumination  $Q_d$  for road marking on

- ✓ Cement Road ( $Q_d$ ), shall be minimum of 130 mcd/m<sup>2</sup>/lux during the expected life service time
- ✓ Asphalt road ( $Q_d$ ), shall be minimum of 100 mcd/m<sup>2</sup>/lux during the expected life service time

Testing method shall be according to

*Nighttime Visibility*

(i) **Dry retro-reflection**

Dry retro-reflectivity shall be compliant

**Skid Resistance**

Skid resistance parameter shall be considered under urban /city traffic condition encompassing the locations like zebra crossing, pedestrian crossings, bus bay, bus stop, cycle track, intersection delineation etc., Skid resistance is to be measured using the method described

**Initial and Minimum Performance for Skid Resistance**

Type of Road	Skid Resistance (BPN)	
	Initial (7 Days)	Minimum Threshold Level
Urban/City	55	45



## **Section 4 – Form of Technical Proposal (On the letter head of the bidder)**

### **Technical Proposal From**

(Name, Address & Complete Contact details of the bidder)

To,

**Shri Arun Kumar Jha,**

SPV Head,

National Highways Infra Projects Private Limited,

Unit 324, D21 Corporate Park, Sector 21,

Dwarka, New Delhi 110077

**Subj: Request for Proposal (“RFP”) issued by National Highways Infra Projects Private Limited (NHIPPL) for the empanelment of vendor for road marking works.**

#### **4.1. General Information**

4.1.1. Profile of the Vendor with full particulars of the constitution, ownership, and business activities of the prospective Service Provider.

4.1.2. Commitment(s) which shall act either as a constraint or as a conflicting interest in the proposed assignment (if any).

#### **4.2. Technical Information**

4.2.1. Technical Qualification Criteria:

- Bidder should have minimum 03 Years of working experience in similar works.
- Must have done similar works for any Govt./PSU/Publicly listed companies.
- Must have valid registration for complete Highways/Road Marking works.

4.2.2. The Technical Proposal shall be submitted along with all relevant proofs and supporting documentation/ information for each response.

4.2.3. The Bidders may be required to make a presentation if requested by NHIPPL about methodology used to complete this works within timeframe.

4.2.4. If there are Any Assumptions or Exclusions, they should be listed out so in technical Proposal.

Name & Signature of Vendor  
**Authorized Signatory**

## 5. Section 5 – Form of Financial Proposal (On the letter head of the Bidder)

### Financial Proposal From

(Name, Address & Complete Contact details of the bidder)

To

**Shri Arun Kumar Jha,**

SPV Head,

National Highways Infra Projects Private Limited,

Unit 324, D21 Corporate Park, Sector 21,

Dwarka, New Delhi 110077

**Sub: Request for Proposal (“RFP”) issued by National Highways Infra Projects Private Limited (NHIPPL) for the empanelment of vendor for road marking works.**

Financial offer on firm basis must be submitted in the following manner (as given below): - We, Quote below our Fees for supply of licenses and implementation of solution as under:

S. No.	Particulars	Rate (INR)	Qty.	Amount in INR (Exclusive of GST)
1	Thermoplastic Road Marking as per approved by IRC/MoRTH specifications.			
	Total (in Words)			

5.1. Quotes should be exclusive of GST which shall be paid extra (as applicable from time to time).

5.2. All payments are subject to TDS, if any, applicable as per the law in force.

5.3. In the event of any discrepancy in between figures and words, the amount quoted in words will be considered.

5.4. NHIPPL reserve the right to Terminate the services on 10 day's notice at any time without the obligation to provide a reason for same.

Name & Signature of Vendor  
**Authorized Signatory**

### 5.5. Note for Bidder

5.5.1. Minimum amount of fee to be quoted is Rs. 1.

5.5.2. All the sums' payables shall be subject to deduction of applicable taxes.

5.5.3. On payment milestones payment would be released less the GST component.

5.5.4. The GST component would be released on production of proof of payment.

**6. Section 6 – Undertakings (On the letter head of the bidder)**

To be provided with the financial bid.

We undertake that: -

- 6.1. We have a valid registration certificate, issued by the Competent Authorities.
- 6.2. We have not been blacklisted or declared as ineligible to act Vendor for above services by the Central Government, the State Government or any public undertaking, autonomous body, authority by whatever name called under the Central or the State Government.
- 6.3. The proposal submitted hereunder shall remain valid for a period of at least 120 days from the last date for submission of proposal.
- 6.4. No other cost/ expenses/taxes/levies shall be payable by NHIPPL, NHIT and SPVs under NHIT except mentioned in financial proposal.
- 6.5. Submission of the proposal by the Bidder shall constitute acceptance by the Bidder of all the terms and conditions mentioned in this Request for Proposal. In the event of any contradiction in the terms and conditions as mentioned in RFP, NHIPPLs decision shall prevail.

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We accept all the terms & conditions as mentioned in the RFP. In the event of any contradiction in the terms and conditions as mentioned in the RFP and our proposal/ offer to NHIPPL, the NHIPPL's decision shall prevail.

**Date & Place:**

**Signature(s) and name(s) of  
Authorized Signatory with Seal**

**EHS Terms & Conditions**

**General**

**Personal Protective Equipment & Safety Appliances**

The Contractor / Agency shall provide all the PPE (Personal Protective Equipment) and safety appliances required to carry out the job to all the workmen at its own cost and expenses.

**PTW System** (Wherever applicable, Sole discretion of NHIPPL)

The Contractor / Agency shall adhere to all the provisions of EHS requirements. In case of non-compliance or continuous failure in the implementation of any of EHS provisions. NHIPPL may impose stoppage of work without any cost or time implications /or impose a suitable penalty for non-compliance.

**EHS violation Penalty List in INR**

- Non usage of PPEs – 1000/-
- Violation of Barricading Requirements 2,000/-
- Caution boards/signs not displayed. 1000/-
- Work without PTW system 1000/- (EPC, O&M and Work on Live Road)
- Usage tools & tackles without valid third-party certification 2000/-
- Deployment and usage of cranes and equipment without valid third-party certification 5000/-
- Main carriage way blockage without prior permission 5,000/-
- Any other unsafe act and condition 2000/-

Remarks: Fines & Penalties shall be decided & revised by NHIPPL project manager. Fines & Penalties amount will be deducted from Contractor / Agency payment. Above penalties are for per violation per occasion basis.

**Method Statement & HIRA** (Wherever applicable, Sole discretion of NHIPPL)

The Contractor / Agency shall submit a detailed Work method statement and Hazard Identification & Risk Assessment (HIRA) to NHIPPL for review and approval before commencing work.

**Work on Live Road**

- Work Zone - Contractor / Agency shall create and maintain the Traffic control zones as per Section 4 of IRC SP 55 2014 – Advance warning zone, Approach transition zone, Activity zone, Terminal transition zone, Work zone end, ref figure (a) attached as annexure.
- Provide MS board with “Arrow marking & Work in progress” display @ 100 meters ahead of the work zone and fix red flags over it for good visibility.
- Ensure to provide LED chevron or blinker in case of fog time or working during inadequate illumination.
- Display sign boards such as Go Slow, Speed Limit etc.
- Deploy flag man along with Red & Green flags with a whistle or virtual flagman to be placed for better visibility and a risk-free approach.
- Contractor / Agency should ensure sufficient manpower to provide the safety arrangement on live carriage way.
- MS board with display “Men at Work” (900 mm) & Arrow marking should be placed on the live carriageway in particular lane at least 500 m ahead of working place.

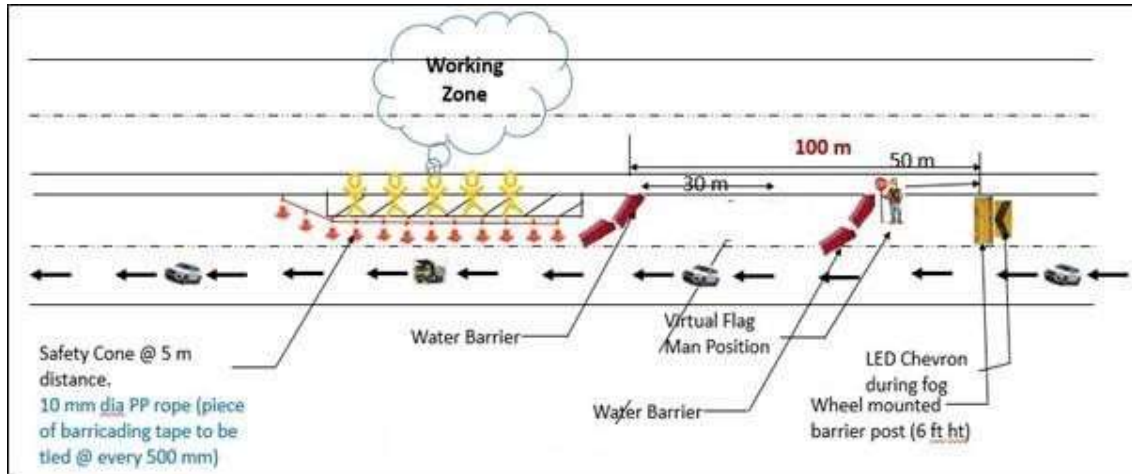
**Environment**

General – The Contractor/Agency shall be responsible for the storage and disposal of any waste generated as a result of its operations.

Routine maintenance/Initial improvement works – The Contractor/Agency shall obtain Consent to Establish (CTE) and Consent to Operate (CTO) at its own cost and expenses from the respective State

Pollution Control Board and comply with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Annexure - figure (a)



Note - In addition to the above "Men at Work" (900 mm) & Arrow marking should be placed on the live carriageway at least 500 m ahead of working place.