



(राष्ट्रीय ऑटोमोटिव परीक्षण ट्रैक)

NATIONAL AUTOMOTIVE TEST TRACKS

रुचि की अभिव्यक्ति (ईओआई)
Expression of Interest (EOI)

FOR

NATRAX में क्रेश बैरियर परीक्षण के लिए टोइंग मैकेनिज्म (किराये के आधार पर) प्रदान
करना/

Providing towing mechanism (on rental basis) for Crash Barrier Testing at
NATRAX

EOI No. - NATRAX/PROC/T&D/23/50

National Automotive Test Tracks/ नेशनल ऑटोमोटिव टेस्ट ट्रैक्स

A unit of National Automotive Board (NAB)/ राष्ट्रीय मोटर वाहन बोर्ड (एनएबी) की एक
इकाई

NH-52, Old Agra- Mumbai Highway/ NH-52, पुराना आगरा-मुंबई राजमार्ग,

Next to Pithampur Flyover/ पीथमपुर फ्लाईओवर के बगल में,

Post Khandwa (Near Pithampur)/ पोस्ट खंडवा (पीथमपुर के पास)

Dhar District, Madhya Pradesh-454774/ धार जिला, मध्य प्रदेश -454774

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<p>विषय: NATRAX पीथमपुर के लिए NATRAX में क्रैश बैरियर परीक्षण के लिए टोइंग मैकेनिज्म (किराये के आधार पर) प्रदान करना प्रस्ताव के लिए अनुरोध।</p> <p>Subject: Expression of Interest (EOI) for Providing towing mechanism (on rental basis) for Crash Barrier Testing at NATRAX Pithampur, Dhar district, Madhya Pradesh.</p>	
<p>नेशनल ऑटोमोटिव टेस्ट ट्रैक्स (NATRAX) एक ऑटोमोटिव टेस्टिंग एंड सर्टिफिकेशन सेंटर/एजेंसी है जो CMVR 126 के तहत प्रमाणित है। NATRAX भारत सरकार के भारी उद्योग मंत्रालय के तहत नेशनल ऑटोमोटिव बोर्ड (NAB) की एक इकाई है। NATRAX को पीथमपुर, जिला धार, (मध्य प्रदेश, भारत) के पास, सभी प्रकार के ऑटोमोबाइल के व्यापक परीक्षण, विकास, प्रमाणन और मूल्यांकन के लिए लगभग 3000 एकड़ भूमि पर स्थापित किया गया है।</p>	<p>National Automotive Test Tracks (NATRAX) is a unit of National Automotive Board (NAB), under Ministry of Heavy Industries, Government of India. NATRAX is an automobile testing & certification agency notified under CMVR 126. NATRAX has been set up on approx. 3000 acres of land for comprehensive testing, development, certification and evaluation of all types of automobiles, near Pithampur, Dist. Dhar, (Madhya Pradesh, India).</p>
<p>NATRAX ने NATRAX में क्रैश बैरियर परीक्षण के लिए टोइंग मैकेनिज्म (किराये के आधार पर) प्रदान करना" के लिए अनुभवी और योग्य विक्रेताओं/एजेंसियों/सलाहकारों की नियुक्ति के लिए व्यापक प्रस्ताव आमंत्रित किया है।</p>	<p>NATRAX invites comprehensive proposal for hiring of experienced and qualified vendors/agencies/consultant for "Providing towing mechanism (on rental basis) for Crash Barrier Testing at NATRAX".</p>
<p>पात्रता मानदंड: संलग्न अनुबंध 1 के अनुसार</p>	<p>Eligibility Criteria: as per attached Annexure 1</p>
<p>प्रस्ताव प्रस्तुत करने का तरीका: प्रस्ताव दो अलग-अलग सीलबंद लिफाफों "तकनीकी बोली" और वित्तीय बोली (या नीचे उल्लिखित ईमेल आईडी पर ईमेल के माध्यम से दो अलग-अलग पासवर्ड संरक्षित पीडीएफ फाइलों में) में दो</p>	<p><u>Manner of Submission of Proposal:</u> The offers are invited in two bid system in two different sealed envelopes "Technical Bid" & Financial Bid (OR in two different password protected pdf files through email on the below mentioned email id's bids without passwords shall not be accepted)</p>

<p>बोली प्रणाली में आमंत्रित किए जाते हैं, बिना पासवर्ड वाली बोलियां स्वीकार नहीं की जाएंगी).</p> <p>तकनीकी प्रस्ताव: योग्यता, पिछला अनुभव, विशेषज्ञ कंपनी के साथ सहयोग, टीम की ताकत, कार्य पद्धति आदि का विवरण तकनीकी बोली के लिफाफे में रखा जाना चाहिए।</p> <p>वित्तीय प्रस्ताव: बोली लगाने वाले को काम के पूरे दायरे के लिए अपने लेटर हेड पर सबसे अधिक प्रतिस्पर्धी दरें जमा करनी होंगी और इसे एक सीलबंद लिफाफे में प्रस्तुत किया जाना चाहिए, जिसमें लिफाफे के शीर्ष पर "वित्तीय बोली" लिखा होना चाहिए, "बिना सीलबंद/खुला लिफाफा स्वीकार नहीं किया जाएगा और बोली NATRAX की उद्घाटन समिति द्वारा अस्वीकार कर दी जाएगी।</p> <p>वित्तीय प्रस्ताव में सभी कर और वितरण शामिल होंगे।</p> <p>हालाँकि, यदि कुछ भी अतिरिक्त है तो उसे उद्धृत दरों के साथ स्पष्ट रूप से उल्लेख किया जाना चाहिए।</p> <p>प्रस्ताव प्रस्तुत करने के लिए ईमेल आईडी: a.prabhakar@natrip.in; & anuj.kumar@natrip.in;</p>	<p>Technical Proposal: the details for the qualifications, past experience, collaboration with experts company, team strength, work methodology etc should be kept in the envelope of Technical Bid.</p> <p>Financial Proposal: bidder needs to submit the most competitive rates on their letter head for the entire scope of work and should be submitted in a sealed envelope mentioning "Financial Bid" on the top of envelope, "unsealed/opened envelope shall not be accepted and the bid shall be rejected by opening committee of NATRAX.</p> <p>The Financial proposal shall be inclusive of all Taxes & deliverables.</p> <p>However, if anything is extra that should be mentioned clearly with the quoted rates.</p> <p>Email ID's for submission of proposal: a.prabhakar@natrip.in; & anuj.kumar@natrip.in;</p>
<p>विस्तृत नियम और शर्तें: विस्तृत नियम और शर्तें अनुबंध-I में संलग्न हैं</p> <p>संदर्भ की शर्तें: संदर्भ की विस्तृत शर्तें और कार्य का दायरा अनुबंध- II में संलग्न है।</p>	<p>Detailed terms and conditions: the detailed terms and conditions is enclosed at Annexure-I</p> <p>Terms of reference: the detailed terms of reference and scope of work is enclosed at Annexure-II.</p>
<p>प्रस्ताव को दिनांक 15/01/2024, 1500 बजे तक प्रस्तुत किया जाना चाहिए।</p>	<p><u>The Proposal should be submitted by 1500 Hrs on 15th Jan, 2024.</u></p>
<p>अस्वीकरण:NATRAX बिना कोई कारण बताए किसी या सभी प्रस्तावों को स्वीकार/अस्वीकार/संशोधित/विभाजित करने के सभी अधिकार सुरक्षित रखता है। NATRAX के किसी भी निर्णय के लिए बोलीदाताओं के पास कार्रवाई का कोई कारण या दावा नहीं होगा।</p>	<p>NATRAX reserves all rights to accept/reject/modify/split any or all proposals without assigning any reasons. Any bidder shall not have any cause of action or claim against NATRAX for any of its decisions.</p> <p>This document has been prepared in both the languages (English & Hindi) with due care, however, in case of any discrepancy</p>

यह दस्तावेज दोनों भाषाओं (अंग्रेजी और हिंदी) में उचित देखभाल के साथ तैयार किया गया है, हालांकि, किसी भी विसंगति के मामले में अंग्रेजी भाषा प्रबल होगी।	the English Language shall prevails.
For NATRAX हेड प्रोक्योरमेंट एंड स्टोर्स/ Head Procurement & Stores अनुलग्नक: अनुबंध ए, विस्तृत संदर्भ शर्तें (टीओआर)। Encl: <ol style="list-style-type: none"> Annexure-I, Detailed terms & conditions Annexure II, Detailed Terms of Reference (ToR). 	

A. Annexure-I Detailed Terms & Conditions:

1. INSTRUCTION TO BIDDERS (ITB)

Bidders are required to submit their Bids in two parts in a **Password Protected PDF format**, named as **“Bid for EOI No. NATRAX/PROC/C&I/23/50”** on the subject of the email, containing two separate **Password Protected PDF document**, as given below. The **Password Protected** Bids shall be submitted at the mentioned email ID(s) before the closure of Bid submission date/time.

OR

Sealed Bids/quotations may also be submitted in the hard copy containing Technical Bid and Financial Bids in TWO different sealed envelopes at NATRAX office in the aforesaid date and time. However, Bidders are encouraged to Bid/quote through electronic mode.

- a) The first **Password Protected document** marked as **“Technical Bid for EOI No. NATRAX/PROC/C&I/23/50”** shall consist of all the technical details eligibility, commercial terms and conditions and documents sought in the /EOI along with the signed copy the /EOI document. **Further, the Technical Bid must include a copy of the unfilled Financial Bid of the Bidder without any information on the prices**

OR

In case of offline Bid submission, the sealed document marked as **“Technical Bid for EOI No. NATRAX/PROC/C&I/23/50”** shall consist of all the technical details eligibility, commercial, terms and conditions and documents sought in the /EOI along with the signed copy the /EOI document. **Further, the Technical Bid must include a copy of the unfilled Financial Bid of the Bidder without any information on the prices**

- b) The second **Password Protected document** marked as “**Financial Bid for EOI No. NATRAX/PROC/C&I/23/----**” should consist of the Financial Bid duly filled and signed by an authorised person from the Bidder’s.

OR

In case of offline Bid submission, the sealed document marked as “**Financial Bid for EOI No. NATRAX/PROC/C&I/23/-----**” shall consist of Financial Bid duly filled and signed by an authorised person from the Bidder’s.

- c) **Incase of online Bid submission, the password of the documents shall be submitted by the Bidders at the time of the Technical Bid opening and the Financial Bid Opening respectively.**
- d) *The bidders are advised to submit the bid after duly signed submitted on each page, the bids received without sign and numbered may be rejected by NATRAX.*

Please Note: - Technical Bid and Financial Bid should have different passwords.

For bids received through online mode, all bidders are requested to attend the bid opening through online mode and separate online meeting link for both Technical & Financial Bids opening shall be communicated by NATRAX. For bids received through Offline Mode, all bidders may visit NATRAX office based on the given date and time for Technical Bid opening and intimation for Financial Bid opening which will invite 2 days before Financial Bid opening.

2. Technical Bid Opening:

The Technical Bids are opened at the first instance and evaluated. At the second stage, financial Bids of only technically qualified Bidder shall be opened with prior intimation about the date and time for further scrutiny, evaluation, ranking & placement of order.

3. The Bidders are expected to meet the minimum eligibility criteria (MEC) as given in this document. NATRAX will disqualify the Bid(s) those do not meet the minimum eligibility criteria as laid down, based on their submission along with the EOI documents even after the Bid opening process is concluded.
4. The Contract shall be governed by the terms and conditions specified in this EOI document including amendments, work order etc.,
5. All Bidders are hereby explicitly informed that “CONDITIONAL OFFERS” or “OFFERS WITH DEVIATIONS” from the conditions of Contract, the quotation not meeting the minimum eligibility criteria, technical specifications, or any other requirements as stipulated in the EOI documents are liable to be “REJECTED”.

6. Bidders should give details of Vehicles having with it and provide list of

customers/client of previous works of similar nature in Government Departments/ Undertakings/ Public/ Private sectors/Autonomous etc.,

7. An undertaking on the stamp paper should submit mentioning that the vehicles as required for testing shall be provided at the time of testing as per written intimation from NATRAX within the permissible time.

8. **Minimum Eligibility Criteria: -**

Documents to be submitted along with the Bid:

The Bidders who's Bid meet the following criteria would only be considered as responsive and evaluated by NATRAX.

i. **MEC 1: -**

Legal Valid Entity: The Bidder shall necessary be a legal valid entity either in the form of Proprietary/Private Partnership/ Public Limited Company/ Private/ Govt./ Public/ Autonomous, documentary evidence should be submitted. **In form of JV/Consortium not permitted.**

Following List of acceptable documents should also be submitted along with under above-

- a) Certificate of Incorporation/Commercial establishment of firm/License certificate of the firm, etc.
- b) PAN Card/GST registration, PF registration, ESI Registration, Labor License and any other applicable statutory requirements, etc.,

ii. **MEC - 2: Financial Capabilities:** The Bidder should have minimum 3 years' experience with Minimum **Average Annual Financial** turnover during the last three years, ending on 31st March of the previous financial year (2020-21, 2021-22 & 2022-23), should be as **Rs 5 Lakh**. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods OR a Certificate (with UDIN NO.) from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be submitted with the Bid.

In case the date of constitution / incorporation of the Bidder are less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criterion. For startups registered firms, no turnover is required.

iii. **MEC-3 -Similar works:** The Bidder should have 3 years' experience in the **similar work and completed at least one of the following components:**

- a. One completed similar work of at least 5 Lakh, or
- b. Two completed similar works of at least 3 Lakh, or

- c. Three completed similar works of at least 2 Lakh

Similar work*: completed work pertaining to Fabrication of controlled towing mechanism (automotive) for any reputed Pvt. Firm/Govt Entity.

List of accepted documents as proof of MEC (iii) above:

- a) Work order and completion certificate indicating value of work etc., in case the work order/completion certificates are belong to any pvt firm than 26AS of relevant period need to be submitted.

9. Exemptions if any: -

- a) *The Benefits & Exemptions for Startups - the exemption from prior turnover & experience & price benefit may be given as per the guideline.*

10. The Bidders are expected to carefully examine all the contents of the EOI Document including instructions, conditions, terms, specifications, drawings (if any), shall inspect the Site with prior notice to NATRAX and at Bidders own cost, acquaint himself with all local conditions, means of access to the work, nature of the work and all matters pertaining thereto & take them fully into account before submitting their offer. Failure to comply with the requirements as detailed in these documents shall be at the Bidder's own risk. Bids which are not responsive to the requirements of the EOI will be rejected.
11. While all efforts have been made to avoid errors in drafting of the EOI documents, the Bidder is advised to check the same carefully. No claim on account of any errors detected in the EOI documents shall be entertained.
12. The Bidder shall carry out all the work strictly in accordance with Specification, Standard Practices and instructions of NATRAX or NATRAX's representative and deviation on any account will not be permitted. If in the opinion of NATRAX, changes have to be made and it desires the Bidder to carry out the same. The decision of NATRAX in such cases shall be final and shall not be open to arbitration.
13. The successful Bidder is bound to carry out associated work necessary for the completion of the job even though such items are not included in the quantities to achieve end results and deemed to be priced in the other items. No claim on this account shall be entertained.
14. Addendum / Corrigendum (if required) to the EOI may be issued prior to the date of opening of the Bid to clarify or to intimate any changes/modifications etc. All such addendum / corrigendum shall be treated as an integral part of the EOI.

15. Any effort by a Bidder to influence NATRAX or any of its functionaries in the process of examination, clarification, evaluation and comparison of EOIs and in decisions concerning award of contract, may result in rejection of the Bid.
16. In order to afford prospective bidders, reasonable time for preparing their Quotes after taking into account such amendments, NATRAX may, at its discretion, extend the deadline for submission of Bids.
17. Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations concerning the award of Contract shall not be disclosed to Bidders or other persons not officially concerned with such process.
18. NATRAX reserves the right to accept / reject or modify any Bids, and to annul the EOI process and reject all Bid(s)/quotation(s), at any time prior to award of Contract, or to divide the Contract between/amongst Bidders without thereby incurring any liability to the affected Bidder or Bidders or any obligations to inform the affected Bidder or Bidders of the grounds for NATRAX's action. Any Bidder not following ITB stands rejected.

19. TECHNICAL BID EVALUATION

- a) **NATRAX** shall follow the **Segregated Bid evaluation** system (No bearing of technical score in the financial Bid evaluation and L-1 in the financial Bid shall be deemed as successful Bidder) to determine the successful Bidder.
- b) The Bidder must qualify the all three MEC's.
- c) The Bidder is requested to specify what particular value he is offering for each particular requirement, rather than just stating he is fulfilling the Minimum Requirement.
- d) During the technical Bid evaluation process, NATRAX may ask clarifications to the Bidder through E-mail for confirming and consolidating their technical offers.
- e) All such clarifications are required to be answered by the bidders by E-mail, within the time specified by NATRAX.
- f) Only the technically qualified bidders shall be intimated for financial bid opening in writing.
- g) The Financial Bids of the Technically qualified Bidders shall be opened

through online mode and the Financial Bids received through off-line mode shall also be opened on the same day and time at NATRAX Hub.

20. FINANCIAL BID EVALUATION:

- a) For the evaluation of the Financial Bids, the eventual Bid prices shall be ascertained after considering all the terms and conditions associated with the Bid price specified in the Financial Bid document and after detailed scrutiny of the financial bid.
- b) No Bidder shall be allowed to propose/carry out any revision / correction / modification in his Price Bid offer.
- c) If there is a discrepancy between the sub total/s and the total price that is obtained by multiplying the unit price and quantity/adding the sub total/s, the sub total/s shall prevail and the total price shall be corrected, unless in the opinion of the Employer that there is an obvious misplacement of the decimal point in the sub total price, in which case the total price as quoted shall govern and the sub total/s shall be corrected;
- d) If there is an error in a total, corresponding to the addition or subtraction of sub totals, the subtotal/s shall prevail and the total shall be corrected; and
- e) The Bidder needs to fill the rates against each item in word as well as in figures as mentioned in BOQ (Financial Bid). In case of any discrepancy, the rate provided in word shall prevail and correct the amount against the item.
All the prices should be inclusive of all taxes and GST.
- f) The amount stated in the Letter to Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, shall be considered as binding upon the bidder. If the Bidder does not accept the corrected amount of Bid, the bid will be rejected.
- g) Negotiations, **if any**, will be held before the issuance of work order. The negotiation shall conclude with a revised offer letter from the successful bidder, affecting the discounts if any and accepted by NATRAX.

21. Award of Work:

- a) Prior to the expiry of the period of Bid validity prescribed, NATRAX will issue to the Successful Bidder, the Work Order. The Successful Bidder shall return one copy of the Work Order to NATRAX duly acknowledged and signed by the authorized signatory, within two [2] days of receipt of the same by him.

- b) NATRAX shall notify all the unsuccessful Bidders and discharge/ return their Earnest Money Deposit. No correspondence will be entertained by NATRAX from the unsuccessful Bidders.

22. Validity of bids:

The rate quoted should be valid for **a minimum period of 120 days** from the last date of Submission of Quotation. No claim for escalation of rate will be considered at any point of time.

23. Prospective bidders requiring any clarification of the EOI may write to a.prabhakar@natrip.in; anuj.kumar@natrip.in,

The Bids / related correspondences shall be made in Hindi/English language.

Annexure-II- Terms of Reference

TECHNICAL CONDITIONS OF TOWING MECHANISM REQUIRED FOR CRASH BARRIER TESTING

1. Dimensions and main characteristics:

The characteristics listed below shall be considered minimum requirements apart from any other characteristic required for the compliance with the standards and/or feasibility to perform the tests in the described manner.

The Mechanism is intended to be used for multiple tests.

Towing Mechanism vehicles:

General requirements:

1. **Accuracy Requirements:** The towing mechanism must be designed and calibrated to achieve a high degree of accuracy in both propulsion and guidance systems. The deviation from the target impact speed and angle should be minimized to ensure reliable and consistent test results.
2. **Impact Speed Control:** The system should include a robust control mechanism for adjusting and maintaining the impact speed within specified tolerances. This control system should be responsive and capable of compensating for variations in external factors that may affect towing speed.
3. **Angular Alignment System:** An effective guidance system must be integrated into the towing mechanism to ensure precise angular alignment of the test vehicle. This system should be equipped with sensors and actuators capable of making real-time adjustments to correct any deviations from the desired impact angle.
4. **Capacity:** Capable to Tow following:
 - 900 kg @100 Kmph,
 - 1500 kg Car @110 Kmph
 - 10,000 kg Truck @70 Kmph
 - 13000 kg Bus @70 Kmph

5. Vendor Should have his Own Workshop for making such mechanism & Fixtures.
6. Vendor should have experience in hydraulic and mechanical release mechanism.
7. Vendor should have dedicated team of working professional.

Annexure – II
SCOPE OF WORK

1. Project Details:

- a) **Project Name:** Crash Barrier Testing
- b) **Delivery Location:**
National Automotive Test Tracks (NATRAX)
Agra – Mumbai Highway (NH-52),
Next to Pithampur Flyover (From Indore)
Post: - Khandwa (Near Pithampur)
Pincode: - 454 774
District: - Dhar
State: - Madhya Pradesh
- c) **Contract Period:** 1 Year

2. Scope of Work:

The vendor has to come NATRAX with their Towing Mechanism to **facilitate** the effective and safe release of the the test vehicle at specified Speed & Angle towards Crash Barrier Impact location.

Detailed work description:

A. Vehicle Dispatch Logistics:

NATRAX will coordinate and dispatch the test vehicle to the designated workshop for release mechanism installation.

B. Hydraulic Disengagement:

Implement a hydraulic mechanism capable of disengaging the test vehicle from the tow vehicle within a timeframe of 1 seconds.

C. Operator Presence:

Ensure the presence of a qualified operator inside the tow vehicle during actual tests to oversee and guarantee the proper release of the mechanism.

D. Safety and Insurance:

Equip the operator in the tow vehicle with all necessary safety kits and ensure the availability of appropriate insurance coverage.

E. Vehicle Inspection Protocol:

The responsibility of conducting a thorough vehicle inspection, encompassing aspects such as wheel balancing, wheel alignment, tire defects, and a test drive to identify and rectify any observations requiring attention before the actual test.

F. Structural Integrity:

Guarantee the secure welding of the towing structure, ensuring that it remains firmly attached to the vehicle throughout the main test and trial rounds.

G. Surface Finish and Protection:

Implement a meticulous process for painting the welded components and safeguarding open mechanisms to prevent corrosion and ensure longevity.

H. On-Ground Support:

Assign a minimum of 2-3 personnel on-site to monitor and confirm the proper functioning of the release mechanism during tests.

I. Practice Rounds:

Conduct a minimum of 5-7 practice rounds to validate the reliability and effectiveness of the release mechanism under realistic testing conditions.

J. Post-Release Straightability Verification:

Following each release, the vendor must verify the straightability of the test vehicle after the mechanism disengagement and propose any necessary remedies for deviations.

K. Post-Test Assessment:

Evaluate the condition of the attachments placed on the testing vehicle after each test, determining their usability for future tests or identifying instances where replacement is required.

Format for financial Bid (to be printed on the letter head of bidder)

Bidder need to prepared a list of offered vehicles along with the charges per test in below table and should have to submit in separate sealed envelope (the opened /unsealed financial bid shall not be accepted and bid shall be rejected.

The financial bid must be in line with below table:

Sn. No.	Test vehicle	Charges per test
01	Car (900 kg)	
04	Car (1500 kg)	
02	Truck (10 T)	
03	BUS/HGV (13 T)	

Payment terms:

50 % Advance will be given before test and 50 % balance will be given after completion of successful test.