



(राष्ट्रीय ऑटोमोटिव परीक्षण ट्रैक)

NATIONAL AUTOMOTIVE TEST TRACKS

निविदा दस्तावेज़

Tender Document

FOR

NATRAX में क्रेश बैरियर परीक्षण के लिए परीक्षण वाहन उपलब्ध कराना/

Providing Test Vehicles for Crash Barrier Testing at NATRAX

**TENDER No. - NATRAX/PROC/T&D/25/48**

**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)

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NATRAX/PROC/T&D/25/48

Dated 15<sup>th</sup> Jan 2025

<p>विषय: नैट्रैक्स पीथमपुर, जिला धार, मध्य प्रदेश में क्रैश बैरियर परीक्षण के लिए परीक्षण वाहन उपलब्ध कराने हेतु निविदा दस्तावेज.</p> <p><b>Subject: Tender Documents for Providing Test Vehicles for Crash Barrier Testing at NATRAX Pithampur, Dhar district, Madhya Pradesh.</b></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><b>National Automotive Test Tracks (NATRAX)</b> is a unit of National Automotive Board (NAB), under Ministry of Heavy Industries, Government of India. NATRAX is an automobile testing &amp; 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 परीक्षण वाहन (किराये के आधार पर) उपलब्ध कराना " 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 Test Vehicles (on rental basis) for Crash Barrier Testing at NATRAX.</p>
<p>अनुमानित लागत: 1.14 करोड़</p>	<p><b>Estimated cost: 1.14 Cr</b></p>
<p>पात्रता मानदंड: संलग्न अनुबंध 1 के अनुसार</p>	<p><b>Eligibility Criteria: as per attached</b></p>



	Annexure 1
<p><b>प्रस्ताव प्रस्तुत करने का तरीका:</b> प्रस्ताव दो बोली प्रणाली में दो अलग-अलग सीलबंद लिफाफों में "तकनीकी बोली" और वित्तीय बोली (या) दो अलग-अलग पासवर्ड से सुरक्षित पीडीएफ फाइलों में नीचे उल्लिखित ईमेल आईडी पर ईमेल के माध्यम से आमंत्रित किए जाते हैं। बोलियां पासवर्ड से सुरक्षित होनी चाहिए और पासवर्ड केवल NATRAX द्वारा लिखित संचार के बाद ही साझा किए जाने चाहिए।</p> <p><b>तकनीकी प्रस्ताव:</b> 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><b>वित्तीय प्रस्ताव:</b> 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><b>Manner of Submission of Proposal:</b> The offers are invited in two bid system in two different sealed envelopes "Technical Bid" &amp; Financial Bid (OR) in two different password protected pdf files through email on the below mentioned email id's. bids should be passwords protected and passwords should be shared only after written communication by NATRAX.</p> <p><b>Technical Proposal:</b> 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><b>Financial Proposal:</b> 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 &amp; deliverables. However, if anything is extra that should be mentioned clearly with the quoted rates.</p> <p>Email ID's for submission of proposal: <a href="mailto:a.prabhakar@natrip.in">a.prabhakar@natrip.in</a>; &amp; <a href="mailto:anuj.kumar@natrip.in">anuj.kumar@natrip.in</a>; &amp; <a href="mailto:natraxpithampur@gmail.com">natraxpithampur@gmail.com</a></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:</p> <p><a href="mailto:a.prabhakar@natrip.in">a.prabhakar@natrip.in</a>; &amp; <a href="mailto:anuj.kumar@natrip.in">anuj.kumar@natrip.in</a>; &amp; <a href="mailto:natraxpithampur@gmail.com">natraxpithampur@gmail.com</a></p>	
<p><b>विस्तृत नियम और शर्तें: विस्तृत नियम और शर्तें अनुबंध-I में संलग्न हैं</b></p> <p><b>संदर्भ की शर्तें: संदर्भ की विस्तृत शर्तें और कार्य का दायरा अनुबंध- II में संलग्न है।</b></p>	<p><b>Detailed terms and conditions:</b> the detailed terms and conditions is enclosed at Annexure-I</p> <p><b>Terms of reference:</b> the detailed terms of reference and scope of work is enclosed at Annexure-II.</p>
<p><b>बोलियाँ जमा करने की अंतिम तिथि:</b> प्रस्ताव <u>06<sup>th</sup> March 2025</u> को 1500 बजे तक जमा किया जाना चाहिए। तकनीकी बोलियाँ उसी दिन 1530 बजे खोली जाएँगी।</p>	<p><b>Last date for submission of bids:</b> The Proposal should be submitted by 1500 Hrs on <u>06<sup>th</sup> March 2025</u>. The technical bids shall be opened on same days at 1530 hrs.</p>
<p><b>पूर्व बोली बैठक-</b> 25 फरवरी 2025 को 1000 बजे से नैट्रैक्स पीथमपुर में।</p>	<p><b>Pre bid meeting-</b> on 25<sup>th</sup> Feb 2025 from 1000 hrs at NATRAX Pithampur.</p>
<p><b>ईएमडी - 2.30 लाख, डीडी/बीजी/एफडीआर के रूप में "नैट्रैक्स" के पक्ष में पीथमपुर में देया। एमएसएमई/स्टार्टअप्स को नीति के अनुसार छूट दी गई है।</b></p>	<p><b>EMD - 2.30 Lakh,</b> in form of DD/BG/FDR in favor of "NATRAX" payable at Pithampur. MSME/startups are exempted as per policy.</p>
<p><b>अस्वीकरण:</b>NATRAX बिना कोई कारण बताए किसी या सभी प्रस्तावों को</p>	<p>NATRAX reserves all rights to accept/reject/modify/split any or all proposals without assigning any reasons. Any</p>



<p>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। 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।</p>	<p>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 &amp; Hindi) with due care, however, in case of any discrepancy the English Language shall prevails.</p>
<p><b>For NATRAX</b></p> <p>हेड प्रोक्योरमेंट एंड स्टोर्स/ <b>Head Procurement &amp; Stores</b></p> <p><b>अनुलग्नक: अनुबंध ए, विस्तृत संदर्भ शर्तें (टीओआर)।</b></p> <p><b>Encl:</b></p> <ol style="list-style-type: none"><li><b>Annexure-I</b>, Detailed terms &amp; conditions</li><li><b>Annexure II</b>, Detailed Terms of Reference (ToR).</li></ol>	

**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 TENDER No. NATRAX/PROC/C&I/23/----”** 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 TENDER No. NATRAX/PROC/C&I/23/---”** shall consist of all the technical details eligibility, commercial terms and conditions and documents sought in the /TENDER along with the signed copy the /TENDER 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 TENDER No. NATRAX/PROC/C&I/23/---”** shall consist of all the technical details eligibility, commercial, terms and conditions and documents sought in the /TENDER along with the signed copy the /TENDER 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 TENDER 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 TENDER No. NATRAX/PROC/C&I/23/----”** shall consist of Financial Bid duly filled and signed by an authorised person from the Bidder’s.

- c) **In case 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 TENDER documents even after the Bid opening process is concluded.
4. The Contract shall be governed by the terms and conditions specified in this TENDER 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 TENDER documents are liable to be "REJECTED".

**6. Bidders should give details of Vehicles having with them 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 (Rs. 100/-) 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 (MEC): -**

**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 (2021-22, 2022-23 & 2023-24), should be as **Rs 50 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 works\***.

***Similar works\*:* registered & dealing in automotive sales/service/dealing/providing and should have to register as authorized dealer of any OEM (automotive vehicles).**

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





a) Registration certificate as automotive dealer/service provider/authorized distributor etc.,

**List of the offered vehicles-** the bidder needs to prepared a list of vehicles which they can provide for testing purpose and should have to cover at least all the required vehicles as per this documents, the list should be printed on the letter head of bidder and should be signed by authorized signatory and need to submit in technical bid.

9. The Bidders are expected to carefully examine all the contents of the TENDER 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 TENDER will be rejected.
10. While all efforts have been made to avoid errors in drafting of the TENDER documents, the Bidder is advised to check the same carefully. No claim on account of any errors detected in the TENDER documents shall be entertained.
11. 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.
12. 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.
13. Addendum / Corrigendum (if required) to the TENDER 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 TENDER.

14. Any effort by a Bidder to influence NATRAX or any of its functionaries in the process of examination, clarification, evaluation and comparison of TENDERS and in decisions concerning award of contract, may result in rejection of the Bid.
15. 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.
16. 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.
17. NATRAX reserves the right to accept / reject or modify any Bids, and to annul the TENDER 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.

#### **18. 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.

**19. 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.

**20. 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.

**21. 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.

22. Prospective bidders requiring any clarification of the TENDER may write to [a.prabhakar@natrip.in](mailto:a.prabhakar@natrip.in); [anuj.kumar@natrip.in](mailto:anuj.kumar@natrip.in),

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



## **Annexure-II- Terms of Reference**

### **TECHNICAL CONDITIONS OF VEHICLES 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.

#### **2. Test vehicles:**

**One Vehicle is intended to be used for one test only.**

Please refer table-1 for technical requirements for test vehicles

##### **2.1. General requirements:**

The Model Year of vehicle must be above than 2010.

The vehicles to be used in the tests shall be production models and, for vehicles up to and including 1 500 kg, shall be representative of current traffic in Europe. All vehicles used for impact testing to this standard shall have characteristics and dimensions within the vehicle specifications defined in Table 1. The tyres shall be inflated to the vehicle manufacturer's recommended pressures. The condition of the vehicle shall satisfy the requirements for the issue of a vehicle certificate of road worthiness with respect to tyres, suspension, wheel alignment and bodywork. No repairs or modifications, including reinforcement, shall be made

that would alter the general characteristics of the vehicle or invalidate such a certification. Any repairs shall conform to the original vehicle specification as defined by the vehicle manufacturer. The vehicle shall be clean and mud or deposits, which may



cause dust on impact shall be removed prior to testing. Marker points shall be placed on external surfaces of the test vehicle to aid analysis.

The vehicle shall not be restrained by the control of the steering or any other means during impact and whilst the vehicle is in the exit area (e.g., engine power, braking, anti lock brakes, blocking or fixing).

Vehicle specifications under test conditions shall be as specified in Table 1.

**Table-1 - Vehicle Specification**



<b>MASS</b>								
kg								
±								
Total mass	900 ± 40	1 300 ± 65	1 500 ± 75	10 000 ± 300	13 000 ± 400	16 000 ± 500	30 000 ± 900	38 000 ± 1 100
Test inertial mass <sup>a</sup>	825 ± 40	1 300 ± 65	1 500 ± 75	10 000 ± 300	13 000 ± 400	16 000 ± 500	30 000 ± 900	38 000 ± 1 100
Including maximum ballast <sup>b</sup>	100	160	180	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
ATD installed	78 ± 4	Not required	Not required	Not required	Not required	Not required	Not required	Not required
<b>DIMENSIONS</b>								
m								
(Limit deviation ± 15 %)								
Wheel track (front and rear)	1,35	1,40	1,50	2,00	2,00	2,00	2,00	2,00
Wheel radius (unloaded)	Not applicable	Not applicable	Not applicable	0,46	0,52	0,52	0,55	0,55
Wheel base (between extreme axes)	Not applicable	Not applicable	Not applicable	4,60	6,50	5,90	6,70	11,25
<b>CENTRE OF MASS LOCATION<sup>c d</sup></b>								
m								
Longitudinal distance from front axle (CGX) ± 10 %	0,90	1,10	1,24	2,70	3,80	3,10	4,14	6,20
Lateral distance from vehicle centre line (CGY)	± 0,07	± 0,07	± 0,08	± 0,10	± 0,10	± 0,10	± 0,10	± 0,10
Height above ground (CGZ):								
— Vehicle mass (± 10 %)	0,49	0,53	0,53	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
— Load (+ 15 %, - 5 %)	Not applicable	Not applicable	Not applicable	1,50	1,40	1,60	1,90	1,90
<b>TYPE OF VEHICLE</b>								
	Car	Car	Car	Rigid HGV	Bus	Rigid HGV	Rigid HGV	Articulated HGV
<b>Number of axles<sup>e</sup></b>								
	1S + 1	1S + 1	1S + 1	1S + 1	1S + 1	1S + 1/2	2S + 2	1S + 3/4
<sup>a</sup> Including load for heavy goods vehicles (HGV). <sup>b</sup> Including measuring and recording equipment. <sup>c</sup> The vehicle's centre of mass shall be determined when the ATD is not in the car. <sup>d</sup> The centre of mass of vehicles with two axles shall be determined in conformity with ISO 10392. <sup>e</sup> S: steering axle.								

### 3. SCOPE OF WORK



### 3.1. Project Details:

a) **Project Name:** Crash Barrier Testing

b) **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 from the date of order, the contract shall be valid for 1 year irrespective of number of tests, which may extended for further 6 months on same terms and conditions at the discretion of NATRAX.

d) **Payment:** 50% for respective vehicle in advance and balance shall be paid after completion of respective test and submission of data with original tax invoice with supporting documents, within 15 days.

***Supporting documents for balance 50% payment:***

i. *Detailed report of NATRAX representative involved in the complete cycle for finalization of vehicle, duly signed by both parties.*

ii. *Details/photos of chasses and engine number of vehicle before testing and after testing.*

iii. *Photos of vehicle (front, back and both the sides) before testing and after testing.*

iv. *Scrap report of vehicle after testing the scrap should be done by authorized agency only.*

v. *Copy of RC and RC Transfer letter for respective vehicle to be part of invoice.*

*The balance payment shall be released only after the receipt of above-mentioned supporting documents along with the tax invoice after completion of respective tests, within 10 days of receipt of invoice with all supporting documents.*

### 4. Detailed Scope of Work:





The vendor has to provide vehicles on rental basis per test to NATRAX for doing the crash test. **Vehicle will get damaged in this test.**

#### 4.1. Detailed work description:

##### a. Selection of Vehicle:

- Vehicle must be in line with technical condition mentioned in annexure-II.
- Vehicle must have a valid registration and insurance.
- Vehicle must be in good condition.
- The testing vehicle must have a power steering system.
- No rust should be present inside and outside the vehicle or below the carpet on the floor.
- All tires must be in good condition.
- A spare tire (Stepney) is mandatory, and it must be equipped with a lock.
- The vehicle should not be older than 10 years from the date of test.

b. After Identification and selection of vehicle vendor has to send photos from different angle & registration Certificate to NATRAX for verification.

c. After getting approval from NATRAX on documentation front, vendor has to bring the testing vehicle to Natrax for physical verification. (Natrax reserves the right to select or reject any testing vehicle).

d. After physical verification, vendor has to incorporate all the changes submitted by NATRAX. Wheel alignment and wheel balancing is to be done. After this vendor had to send the vehicle to towing mechanism vendor location for mechanism fitting and then to NATRAX for loading, instrumentation and final Test.

e. Vendor has to send the test vehicle 2-day before the final test date.

f. After test, once all measurements are completed vendor will take the vehicle back.

g. One mechanic must be present during the test.

h. Drivers are to be arranged by vendor for all testing and non-testing days.

i. Vendor will cover all expenses of modifications suggested by Natrax before the test.

j. It is the vendor's responsibility to remove damaged vehicles from Natrax.

k. The rental fee must include all modification costs before the test.

l. A lump sum rental amount will be charged for each test for test vehicle, regardless of the duration & damage.



- m. The vendor must have a valid license to provide rental vehicles.
- n. All drivers provided by the vendor must have a valid license, insurance, and a safety kit.
- o. The driver of the test & towing vehicle is the vendor's responsibility.
- p. Fuel expenses for the test & towing vehicle are the vendor's responsibility.
- q. Any necessary repairs work in tow vehicle before, during, and after the test are the vendor's liability.
- r. A lump sum rental amount will be charged for each test for tow vehicle, regardless of the duration.
- s. The vendor cannot change the towing vehicle without Natrax's permission.



CHECKLIST (to be fill and submitted in technical bid)

Sl. No.	Documents to be submitted along with Technical Bid.	Status of Submission (Indicated Yes/No)	Ref. Page No. of Bid
1	Has the Bid Document been issued to you?		
2	Have you downloaded this tender document from the NATRAX Website?		
3	Whether the requisite Earnest Money deposit of Rs. 2.30 Lakh is enclosed (MSME/startups/NSIC Registered firms are exempted)		
4	<b>Bidder Profile</b>		
4.1	<b>The legally valid entity</b> , documents as per NIQ/Tender been submitted?		
4.2	Copy of GST Registration		
4.3	Copy of MSME Registration		
4.4	Copy of bank account details		
4.5	Copy of audited turnover documents with UDIN No is enclosed?		
4.6	Copy of experince certificates as per this tender is enclosed?		
4.7	Undertaking on 100 Rs. stamp paper.		
5	Have you read and understood the complete tender documents including attachments?		
6	Have you understood the scope of work, technical specifications, and requirements of this tender?		
7	The financial bid/quotation is submitted in a separate sealed envelope/password-protected PDF file.		
8	Whether all the documents submitted for this tender are seal & signed by an authorized signatory.		
9	Whether the contact details of the authorized person is submitted		



## 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	Type of Vehicle	Unit	Qty (no. of vehicles)	Rate	Amount
1	CAR	Per nos.	10		
2	Truck	Per nos.	10		
3	Bus	Per nos.	5		

Note: the above quantities may vary  $\pm 10$  % during the contract period. The rate quoted above should be inclusive of all.

*Seal & Sign of Bidder*