



NATIONAL AUTOMOTIVE TEST TRACKS

Request for Proposal (RFP)

FOR

Seeking vehicle testing instruments/equipments with necessary accessories for all kinds of vehicle testing on collaboration basis at NATRAX Pithampur

RFP No. - NATRAX/PROC/T&D/23/33

National Automotive Test Tracks

A unit of National Automotive Board (NAB)

NH-52, Old Agra- Mumbai Highway, Next to Pithampur Flyover

Post Khandwa (Near Pithampur), Dhar District, Madhya Pradesh-454774

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1. General Instructions:

National Automotive Test Tracks (NATRAX) is an Automotive Testing & Certification Centre/agency certified under CMVR 126. NATRAX is a unit of National Automotive Board (NAB), under Ministry of Heavy Industries, Government of India. 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).

The National Automotive Test Tracks (NATRAX) invites Proposals (**UNDER OPEN TENDER ENQUARY IN TWO PACKET BIDDING**) from the Interested and experienced Agencies through open invitation, from the eligible agencies, who fulfil the requirement as per the terms and conditions contained this document.

2. The Eligibility, Brief description of works & Timelines for EOI is as below:

2.1. Timelines

- i. Publication of EOI documents 19th Aug 2025.
- ii. Prebid meeting- 1000 hrs 28th Aug 2025 onwards.
- iii. Last date/Time for submission of online Bids/Sealed Bids 09th Sept 2025; 15:00 hrs
- iv. Date/Time of opening of technical bids. 09th Sept 2025; 15:30 hrs

2.2. Eligibility Criteria.

- i. The interested firm/agency must be a valid Legal entity, (Joint venture (JV) or consortiums are not allowed).
- ii. Must have an average turnover of Rs. 20 Cr per annum during last THREE FINACIAL YEARS (2021-22, 2022-23 & 2023-24),
- iii. Must have at-least 3 years of experience in supply and service of automotive testing instruments/ testing business in India or abroad, AND
- iv. Must have valid authorization certificates from Original Equipment Manufacturer (OEMs) for test equipments supply or rendering service.
- v. Must have provided testing /consultancy services to OEM/component manufacturer.

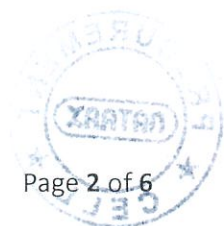
2.3. Evaluation of proposal:

The proposals shall be evaluated by NATRAX into two parts in first phase the technical proposals shall be evaluated as per the eligibility criteria above (sr. no. 2.1). Only qualified bidders after due technical evaluation shall be eligible for further processing of financial bid opening.

2.4. Brief description of works

The interested party must submit proposal for complete scope of work and deliverables are as below, partial/ split scope of work will not suffice the requirement:

- i. Advanced Driver Assistance Systems (ADAS) tests for Level 1, Level 2, Level 3, Level 4 tests.
- ii. Durability tests for LCV and HCV.
- iii. Ride and Handling tests for objective measurements.





- iv. Performance test including high g-forces. As crash testing.
- v. Noise testing & measurement.

The test instruments/ equipments must be housed at NATRAX premises under the ownership of Supplier. Expert manpower shall be provided to assist NATRAX, as and when required.

2.5. Details of the instruments to be covered under the scope:

Sr.No.	Description
ADAS equipments	
1	EVT- Euro NCAP Vehicle Target with Stationary Platform
2	Flex Moshon- Towing System for EVT (Dynamic Vehicle Target)
3	Standard Vehicle Air Slab Target
4	Pedestrian Target with Static Platform- Non EuroNCAP Target
5	Cyclist Target with Static Platform- Non EuroNCAP Target
6	Pedestrian/Cyclist Platform for crossing scenarios Non EuroNCAP Target
7	Pedestrian/Cyclist Platform for Cut in & Cut Out Scenarios- Non ENCAP Target
8	Car to Car communication system.
8.1	RT3003 with Strut Mounting (for subject vehicle)
8.2	RT1003 with Strut Mounting (for target vehicle)
8.3	RT Range System(Hunter & Target unit)
9	RT Base Station for differential correction
10	Articulated EuroNCAP Pedestrian Target
11	Launchpad for Pedestrian Target- EuroNCAP
12	GST for Passenger Car with Synchro Software- EuroNCAP
13	Audio and Video data acquisition system
Equipments for Performance trials	
1	Data Acquisition System
2	Wheel Speed Sensor (WPT)
3	Brake Pedal Force Sensor
4	Hand Brake Force Sensor
5	High Voltage Module
6	Current Sensor
7	Pressure Sensor
8	Thermocouple
9	RPM
10	Travel Sensor (wire potentiometer)
Equipments for Handling trials	
1	Data Acquisition System
2	INS Sensor - RT sensor (RT3100)
Equipments for NVH trials	
1	Data Acquisition System
2	Binaural Measurement System- Squadriga-II
3	Binaural Headset
4	Head measuring system- HMS IV
5	ICP Microphone



6	Head Lab- Multichannel Noise Logger
Others	
1	Engineer Support
2	Data Analysis
Note: Instruments may be added depending on the project undertaken at NATRAX.	

3. **Manner of submission of proposal:** The bidders can submit their detailed proposals into two parts "Technical Proposal/Bid" AND "Financial Bid". The bids can be submitted through email in password protected PDF file or through sealed envelopes on the given address of NATRAX, by the schedule last date & Time of submission of bids.

Note: In case of bid submission on emails both the parts should be submitted in separate password protected files and passwords should not be shared until called by NATRAX in writing.

NATRAX shall not be responsible for any delays for non-receipt /non-delivery/or any technical errors or due to wrong addressee. Bidders may confirm the receipt of their Bids submission from NATRAX.

4. **Disclaimer:** NATRAX reserves all rights to accept/ reject/modify/split any or all proposals without assigning any reasons. Bidders shall not have any cause of action or claim against NATRAX for any of its decisions.

This document has been prepared in both the languages (English & Hindi) with due care, however, in case of any discrepancy the English Language shall prevail.

For NATRAX

Head Procurement & Stores





FORMAT FOR QUOTATION

(Bidder to fill the rates for each of the item and submit it sealed envelope of separate password protected file)

Sr. No.	Description	Qty	Quoted rates (incl. GST) transportation handling etc all
ADAS equipments			
1	EVT- Euro NCAP Vehicle Target with Stationary Platform	1	
2	Flex Moshon- Towing System for EVT (Dynamic Vehicle Target)	1	
3	Standard Vehicle Air Slab Target	1	
4	Pedestrian Target with Static Platform- Non EuroNCAP Target	1	
5	Cyclist Target with Static Platform- Non EuroNCAP Target	1	
6	Pedestrian/Cyclist Platform for crossing scenarios Non EuroNCAP Target	1	
7	Pedestrian/Cyclist Platform for Cut in & Cut Out Scenarios- Non ENCAP Target	1	
8	Car to Car communication system.	1	
8.1	RT3003 with Strut Mounting (for subject vehicle)	1	
8.2	RT1003 with Strut Mounting (for target vehicle)	1	
8.3	RT Range System(Hunter & Target unit)	1	
9	RT Base Station for differential correction	1	
10	Articulated EuroNCAP Pedestrian Target	1	
11	Launchpad for Pedestrian Target- EuroNCAP	1	
12	GST for Passenger Car with Synchro Software- EuroNCAP	1	
13	Audio and Video data acquisition system	1	
Equipments for Performance trials			
1	Data Acquisition System	1	
2	Wheel Speed Sensor (WPT)	1	



REF NO. NATRAX/PROC/T&D/25/71



FORMAT FOR QUOTATION

(Bidder to fill the rates for each of the item and submit it sealed envelope of separate password protected file)

Sr. No.	Description	Qty	Quoted rates (incl. GST) transportation handling etc all
3	Brake Pedal Force Sensor	1	
4	Hand Brake Force Sensor	1	
5	High Voltage Module	1	
6	Current Sensor	1	
7	Pressure Sensor	1	
8	Thermocouple	1	
9	RPM	1	
10	Travel Sensor (wire potentiometer)	1	
Equipments for Handling trials			
1	Data Acquisition System	1	
2	INS Sensor - RT sensor (RT3100)	1	
Equipments for NVH trials			
1	Data Acquisition System	1	
2	Binuarl Measurement System- Squadriga-II	1	
3	Binaural Headset	1	
4	Head measuring system- HMS IV	1	
5	ICP Microphone	1	
6	Head Lab- Multichannel Noise Logger	1	
Others			
1	Engineer Support	1	
2	Data Analysis	1	

Note: Instruments may be added depending on the project undertaken at NATRAX.

Seal & Sign of Bidder



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