



## International Centre for Automotive Technology

EOI NO.: ICAT/I&C/EOI/2021/1

Dated: 15<sup>th</sup> March, 2021

### CORRIGENDUM-1

International Centre for Automotive Technology, Manesar has invited proposal for signing a MOU with operator for vehicle inspection centres to setup and operate various vehicle inspection centres under PPP scheme through EOI No.: **ICAT/I&C/EOI/2021/1**.

This is to inform that the proposal due date which was scheduled for **16<sup>th</sup> March, 2021 at 16.00 hour** has been extended till **31<sup>st</sup> March, 2021 at 16.00 hour**.

**INVITATION OF EXPRESSION OF INTEREST**

BY

**International Centre for Automotive Technology  
(ICAT), Division of NATRiP, Govt of India  
Plot no 26, Sector 3, IMT Manesar, Gurugram**

**for signing of MoU with PPP Operator  
to setup and operate Vehicle Inspection and  
Certification Centre for  
LCVs, HCVs & EVs**

## **1.0 INTRODUCTION:**

***International Center for Automotive Technology (ICAT), a division of NATRiP implementation society (NATIS), Government of India”, having their addresses at Plot No 26, sector-3, IMT Manesar, Gurugram-122050, Haryana, India respectively (hereinafter referred to as “ICAT” invites expression of interest from I&C equipment Operators to sign an MoU for setup and operation of Vehicle Inspection centres (I&C) on PPP mode with different states.***

As per provision in section 56 of Motor Vehicle Act 1988, transport vehicles cannot be registered unless its fitness is certified in a manner prescribed by the Central Government as per Rule 62 of CMVR. The Central Motor Vehicle Act also authorizes prescribed authority or an Authorized Testing station to issue certificate of fitness.

In view of the above fact the various State Governments intends to set up Automatic Vehicle Testing Centers (I&C) at various districts of their state. It is expected that on an average around 60,000 Vehicles will come for fitness testing everyday on such Automatic Vehicle which have to be tested/checked by the Motor Vehicle Inspectors.

Visual inspection is one of the main causes for unsafe vehicles plying on the roads that leads to loss of precious human lives due to unnatural cause. Every year thousands of persons are killed and injured, which is quite alarming & results in loss of around 3% of GDP.

The main aim & objective of setting up of Automated Vehicle Testing Center is to scientifically test the road-worthiness of the Transport Vehicles by automated authentic test equipments, before they actually ply on roads. This process in turn ensure the safety of the general public / passengers and will lead to a much cleaner environment, thus ensuring implementation of the Supreme Court order. Today, there is no mechanism in the Country (except implementation of model "Vehicle Inspection and Certification Centers" under pilot project scheme of MoRTH for 'establishing one Inspection and Certification Centre in each State') to check all safety parameters of vehicles coming for fitness testing. At present, fitness certificates to the vehicles are being issued by State Transport Departments based on visual judgments only. But there are certain critical parameters like Brake, Head light, Suspension, emission etc which can not be checked visually. Automatic Vehicle Testing Center is a State of art Testing Station that can check all safety parameters of the vehicles in a scientific manner that too in a short time besides complete testing data storing them in computers.

## **2.0 AIM OF SETTING UP OF AUTOMATED VEHICLE TESTING Centers**

- Less accidents, injuries and deaths, saving PRECIOUS human lives.
- Better technical condition of the Transport vehicles, therefore safer and cleaner vehicles
- Saving of fuel due to periodic maintenance of vehicles
- Cleaner environment.
- Safety awareness to drivers / vehicle owners

## **3.0 OBJECTIVES OF THE AUTOMATED VEHICLE TESTING CENTER**

Purpose of the Automated Vehicle Testing Center is to test the commercial vehicles (HCVs, LCVs, Taxis, three wheelers etc.) coming for the 'Fitness Certification Testing'. It shall conduct the following tests:

- Pollution Test,
- Side Slip test,

- Brake test,
  - Suspension test,
  - Head light test,
  - Speedometer test,
  - Steering linkage play test,
  - Sound level test
  - Above carriage and under carriage inspection.
  - Measurement & Generation of true values for each parameter during individual test
- The automated testing of the vehicles during fitness checking will lead to:
    - Analysis of test data.
    - Generation of MIS.
    - Operational training of Motor Vehicle Inspectors on Testing Station.

#### 4.0 MODEL

**4.1 ESTABLISHING OF AUTOMATED VEHICLE TESTING CENTER :**  
**ICAT will take** initiative along with interested I&C operator and will be working with various State Government to setup up "Automatic Vehicle Testing Center" on

- i) PPP (Public Private Partnership) module where all vehicle can be tested for fitness parameters like:- Safety parameters like Brake and Head light as per AIS 128, Emission as per TAP 115/116, Speed Limiter as per AIS 018, Visual checks as well as underbody inspection as per CMVR regulations.
- ii) Considering the huge capital investment required in establishing & operating such centres, it is felt that project can be taken in PPP modules where the "**fully developed land free from all encumbrances**" will be provided by State Government.
- iii) And Private party (i.e. Test Center Operator) will invest to take care of civil construction cost of the Test Center, supply, Installation, operation and maintenance of testing equipment's cost for HCV, LCV and 3W Vehicles on a long term basis.
- iv) Test Center Operator will be allowed to collect the prevailing fitness testing fees from Vehicle owners directly or as decided by

the state govt. For any other prevalent State Government regulation and if required additional testing fees from Vehicle owners as per agreed terms with State Government. The Vehicle Testing fees collected by the Testing Center Operator will be used to recover its investment made for establishment and running operations of the Testing Center. Under the proposed model, **ICAT** will be the executing agency and assist the State Government to implement the project in phases.

- v) The nominal fee structure as project management fees payable to **ICAT** by the bidder will be as follows:
- a. Rs. 8 lakhs per equipment lane for monitoring the procurement, installation & commissioning of the equipment and overall monitoring the execution of centre to be paid before signing of tripartite agreement. The bidder shall pay an amount of Rs. 10 Lakhs + GST to ICAT before signing of this MoU. This amount is non refundable but shall be adjusted with 1<sup>st</sup> project management fees.
  - b. Flat 4% of the revenue will be collected from the operator for auditing of the centre every Quarterly / half yearly.
  - c. They shall also bear the cost of travelling, lodging and boarding of at least two officials of ICAT for meetings with the State Government officials for all the travels related to the projects whenever required.
  - d. All expenses like travelling, VISA, ticketing, lodging & boarding will be borne by successful bidder for max 4 person (executing agency and state govt) for Pre Delivery Inspection (PDI).
  - e. In case of more than one MoU, preference for a particular location in a state, will be given to the bidder which takes initiative with particular state for that location on "first-come, first-serve" basis. In that case ICAT will not support any other bidder for the same location in a state, unless initial bidder accepts or confirmation received from state govt for two or more bidders.

## 4.2 OPERATION & MAINTENANCE

- I. Test Center Operator shall be responsible for operation and maintenance of the Automated Testing Station.
- II. All the expenditures as given below but not limiting to, incurred in operation and maintenance of Automated Testing Station as mentioned below shall be borne by the Test Center Operator :-
  - Salary and wages of operation staff
  - Consumables, Spares and maintenance
  - Insurance of Plant and machinery
  - Generator, fuel & maintenance
  - Electricity, Telephone & Internet bills
  - Stationery/Cartridges
  - Over heads

**4.3 TESTING FEE:** Government would allow prevailing Testing fee or any additional fees as per rule 81 of CMVR to be collected by the Test Center Operator in lieu of the investment made by it for establishing the Test Center as well as running operation of the Center during the contract period as given above. Grant / Renewal of Certificate of Fitness for Motor Vehicle: Rs 200/- for HCV, LCV & for 3 wheelers will be collected by transport department. The payment to the State Government will be revised in the same proportionate with every revision in test fees and similarly in the contract period to the Test Center Operator bidder will be revised.

**4.4 INITIAL CONCESSION PERIOD:** To be decided in consultation with the State government.

## 5.0 SERVICES TO BE OFFERED

### 5.1 FITNESS TESTING OF VEHICLES

Following Tests shall be conducted:

- **Side Slip Test :**
  - Measures alignment of wheels on axle (toe in or toe out) in mm/m
- **Brake Test :**
  - Measures break force per wheel
  - bind per wheel
  - Ovality per wheel
  - Imbalance per axle

- Also calculate braking efficiency for axle / vehicle

- **Suspension Test :**

- Measures road contact value per wheel
- Tyre rigidity per wheel
- Frequency at lowest road contact value

- **Emission Test :**

- Measures Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>)
- Oxygen (O<sub>2</sub>)
- Hydrocarbons (HC)
- Optional: Nitrogen (di)oxide (NO<sub>x</sub>)
- Also calculates Lambda value

- **Diesel Smoke Test :**

- Measures opacity of diesel smoke with free acceleration method.
- RPM can be measured with wireless rpm device

- **Head Light Beam Test :**

- Measures horizontal alignment
- Vertical alignment
- Light intensity of low beam, high beam and auxiliary lamps.

- **Speedometer :**

- Checks the accuracy of the speedometer of a vehicle.
- Can also be used to check speed limiter and speed warning devices.

- **Sound Level Test :**

- Checks the sound level of a vehicle's exhaust system.

- **Visual Inspection :**

- Inspection of all above and under carriage items, such as condition of windows, wind screen wipers, tyres, etc. All failed items can be selected on a special membrane keyboard, or on a touch screen monitor.

- **Emission Exhaust Blower**

- To be installed inside the equipment shed for safe air

- **Test report / certificate:**

- At the end of the inspection a full test report will be printed. All measuring values and judgments are in the report, so the driver of a failed vehicle can see immediately why his vehicle failed the inspection.



- **Test of EV**

- Suitable tests as per CMVR to be conducted for E-vehicles.

## **6. Eligibility Criteria for bidder**

Interested Private Parties who want to become “Automatic Vehicle Testing Center” operators and are having experience in the following areas as enumerated in point 7, are invited to submit their proposal as “Expression of Interest (EOI)”. In case of a joint venture or consortium, unless otherwise specified in the bid data sheet, all parties shall be jointly and severally liable for performance of the Contract. OEM, who wishes to participate, shall do so;

1. On their own

1. By forming joint venture or consortium with their partner.
2. A bidder cannot submit more than one bid. Any subcontractor if any, of any bidder cannot become a bidder simultaneously. Any bidder cannot become a subcontractor of any other bidder simultaneously
3. The bidder or its consortium members should not be blacklisted / debarred from participating in the Government Tenders / EOIs by any Central/ State Government/ PSUs or any other Government Organisations in India/ Abroad. A self declaration in this regard from all members of Joint Venture/ Consortium members, duly attested by notary should be submitted along-with their proposal.

## **7. Technical and Financial Criteria:**

- The Bidder i.e. Private Party whether participating alone or in consortium or joint venture should have atleast 5 (five) years’ experience in operation of test lane equipments for light as well as heavy duty vehicles for such testing centres anywhere in world.
- The Bidder i.e. Private Party whether participating alone or in Consortium or Joint Venture should have experience of operation at-least 50 lane years. Lane year will be calculated by adding number of years of operation of each lane. (e.g. lane year =number of lane L1 X number of years + number of lane L2 X number of years + ....).
- The Bidder i.e. Private Party whether participating alone or in Consortium or Joint Venture should submit documentary evidence of relevant experience as cited above with the details of each project including Project wise names and contact details of the customers.

- The bidder to provide turnover details of last five financial (i.e. 2015-16, 2016-17, 2017-18, 2018-19 & 2019-20). Out of above, the bidder should have achieved a turnover of at least Rs. 10.00 Crores in two financial years individually.

#### 8. Last Date of Submission:

The Proposal shall be submitted on or before **16<sup>th</sup> March, 2021** up to **16.00 hr.** EOI received after the last date shall not be considered and no further action will be taken on such EOIs. No request for accepting EOI after the due date expiry will be entertained for any reason whatsoever.

#### Guidelines to bidder for sending EOI :

- Bidder shall enclose a covering letter on letter head while sending the EOI and also enclose this EOI attested with authorized signature and firm stamp.
- The interested Bidder shall send in a sealed envelope clearly super scribing the envelope “EOI for Selection of “Automatic Vehicle Testing Center” Operators for Setup and operations of Vehicle Testing & Certification Centers” on below address addressing Mr.Ashish Kumar (Sr.Manager-I&C).  
**Address** - International Centre for Automotive Technology, Plot No.26, Sector 3, IMT Manesar, Gurugram, Haryana- 122050
- Organization already signed MOU with “NATRiP through ICAT” need not apply.
- The bidder or any of his consortium member MUST have an representative office in INDIA for coordination purpose with valid GST and PAN number.
- Bidders are requested to fill and duly sign, stamp all the Annexure given in “form A”.
- The EOIs received within the due date will be evaluated strictly as per laid down criteria. Therefore, before sending the EOI the bidder must satisfy that they fulfill all the eligibility criteria. The related proof of experience, details of office set-up etc., must be enclosed / detailed out for evaluating the EOI.
- In case desired documents/proofs are not enclosed, the EOI shall be rejected and any clarifications or information sent subsequently will not be entertained.
- ICAT will have the right to reject any or all EOIs, received in response to this invitation and its decision in this regard shall be final and binding.
- Short listed bidder will be invited for presentation before selection.
- The Bidders are requested to raise their queries, if any, by email at

ashish.kumar@icat.in on behalf of ICAT.

- A pre bid query session will be held on 2<sup>nd</sup> March, 2021 at 11am, bidders are requested to send queries on email mentioned on above clause.

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**Form A) Bidder's Organization, Company Profile**  
(To be scanned and uploaded)

The Bidder is requested to provide the information required in the current document in order to demonstrate its structure that it has enough capacity for successfully achieving this Project, as requested in "Clause 7 Technical and Financial Criteria". In case of consortium, the bidder is required to furnish details of his partner/partners (maximum two including leader). The document should clearly indicate name of the lead partner of the consortium.

**1.1 Company Information**

*[Bidder is requested to fill the following information as "General Company Information"]*

Bidder Identification	
a) Name of Company	
b) Registered address (in full)	
c) Details of registration (in full)	
d) Principal place of business	
e) Telephone number	
f) Facsimile number	
g) Website	
h) Person to contact in connection with this Bid (Name, Designation, Contact No)	
i) Name and Address of Bankers	
Business Organization	
a) Date incorporated	
b) Where incorporated	
c) Parent/Leader company (if any) and its involvement in the project	
d) Subsidiary of	
e) Major subsidiaries and locations of other offices	
f) Brief description of company's principal activities with emphasis on scope of work (Use separate sheets as required)	
g) Has your company ever been black listed or terminated for default by an Indian government entity	[If yes, provide detail in an attachment to this form]

## 1.2 Organization Structure

- Please provide in the current chapter, the Organization Chart showing company structure, including positions of directors and managers and location of all other offices in the world.

Please provide in the current chapter, a statement about the total number of employees of the Bidder, their skill sets with specific information on the employees based in India

## 1.3 Financial Information

[Bidder is requested to fill the following for “Financial Company Information”]

Year	2015-16	2016-17	2017-18	2018-19	2019-20 (unaudited report information can be mentioned)
Annual Turnover					
Annual Turnover pertaining to the equipment (in tender) range					
Annual Turnover in India					
Total R&D expenses (% of Annual Turnover)					
Net Profit (% of Annual Turnover)					

## 1.4 Consortium Information

In case of application under ‘Consortium’ additional documents:

Sr. No.	Description of Document	No. of pages	Remarks, if any
1	MOU between consortium members		
2	Company Profile with details of address for communication, contact person & his contact details, web-site etc. of members other than those submitted above		
3	Financial results for last five years, of members other than those submitted above		

## 1.5 Bidder Experience

[In response to requirement appearing in clause 7 “Technical and Financial Criteria”, Bidder shall provide the details of all projects handled by it during last Five years related to the operation and setup of vehicle inspection center, where the Bidder has met specifications and requirements laid down in this EOI and accuracies similar to the requirements appearing in “clause 5 and 7”, as per the table below.]

<i>S. No.</i>	<i>Description of Equipment/ project</i>	<i>Year of Install ation/ Operation</i>	<i>Country</i>	<i>Role- Supplier</i>	<i>Name and Contact Details of the Client</i>
<i>1</i>					
<i>2.....</i>					

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