



**TRANSPORT COMMISSIONER,  
ODISHA**

**RFB No.: LX-126/2023/ 13526 /TC**

**dated 07.09.2023**

**REQUEST FOR BID**

FOR

SELECTION OF SUCCESSFUL BIDDER FOR UPGRADATION OF EXISTING INSPECTION AND CERTIFICATION CENTRE AT ARILO UNDER RTO, CUTTACK TO AUTOMATED TESTING STATION, ESTABLISHMENT OF TWO-WHEELER TEST LANE AND OPERATION AND MAINTENANCE OF ATS

**Issued By  
Transport Commissioner, Odisha**



## DISCLAIMER

1. The information contained in this RFB provided to Bidder(s) whether verbally or in documentary or any other form, by and on behalf of Transport Commissioner, Odisha on the terms and conditions set out in this RFB and such other terms and conditions subject to which such information is provided.
2. The information contained in this RFB is being provided for the limited purposes of enabling the interested parties (“Bidders”) to submit a binding proposal (“Bid”) for performing, executing and implementing the Works and for no other purpose. In no circumstances shall Transport Commissioner, Odisha, incur any liability arising out of or in respect of the issue of this RFB, or the selection procedure.
3. The possession of the RFB or use in any manner contrary to any applicable law is expressly prohibited. The Bidders shall inform themselves and shall observe any applicable legal requirements.
4. The information does not purport to be comprehensive or to have been independently verified. Nothing in this RFB shall be construed as legal, financial or tax advice. Transport Commissioner, Odisha, will not be liable for any costs, expenses, however so incurred by the Bidders in connection with the preparation and submission of the Bids.
5. Transport Commissioner, Odisha, reserves the right to amend this RFB and any information contained herein at any time by notice, in writing/email, to the Bidders.
6. Nothing in this RFB is, nor shall be relied upon as, a promise or representation as to Transport Commissioner, Odisha’s ultimate decision in relation to the selection process of the successful Bidder for the execution of the Contract Transport Commissioner, Odisha. The Bidder(s) shall not, therefore, assume that they will have the opportunity to revise their Bids following submission except as provided in this RFB. However, Transport Commissioner, Odisha, reserves the right to change the basis of or the procedures (including the timetable) relating to the bidding process, reject any, or all, of the Bids, not to invite a Bidder to proceed further, not furnish a Bidder with additional information nor otherwise to negotiate with a Bidder at any time. Transport Commissioner, Odisha, does not undertake to accept the lowest or indeed any Bid.
7. No person other than the one authorized by Transport Commissioner, Odisha, to give any information or to make any representation not contained in this RFB and, if given or made, any such information or representation shall not be relied upon as having been so authorized.
8. Canvassing in any form shall result in rejection of the bid.
9. This RFB is confidential and personal to each Bidder. The Bidders shall note that are required to sign and submit as part of the Technical Bid, as provided in “Form B” of this RFB, a Letter of Undertaking to Transport Commissioner, Odisha, which, inter alia, prohibits disclosure of any information as therein defined to any person or body corporate except as permitted by such Letter of Undertaking. The Bidders shall promptly return this RFB to Transport Commissioner, Odisha, upon request or as specified in this RFB and shall not retain any copies thereof nor use the same for any purpose whatsoever other than for submission of the Bid to Transport Commissioner, Odisha, for the Works. Any failure to furnish or comply with the terms of the Letter of Undertaking shall entitle Transport Commissioner, Odisha, to disqualify the relevant Bidder.



10. Any summaries or descriptions of documents or contractual arrangements contained in any part of this RFB are only indicative and cannot be and are not intended to be comprehensive, nor any substitute for the underlying documentation (whether existing or to be concluded in the future), and are in all respects qualified in their entirety by reference to them.
11. Transport Commissioner, Odisha, do not accept any responsibility for the legality, validity, effectiveness, adequacy or enforceability of any documentation executed, or which may be executed, in relation to the Works. Transport Commissioner, Odisha, shall enter into a contract with the successful Bidder for performance, execution and implementation of the Works (“Contract”). No legal or other obligation shall arise between the successful Bidder and Transport Commissioner, Odisha unless and until the Contract has been formally executed by Transport Commissioner, Odisha and the successful Bidder and any conditions precedent to the effectiveness of the Contract have been fulfilled. Transport Commissioner, Odisha reserves the right not to proceed with the bidding process and to cancel the selection procedure, or any part thereof, at any time.
12. Nothing in this RFB shall constitute the basis of the Contract which may be concluded in relation to performance, execution and implementation of the Works nor shall such documentation/information be used in construing the Contract. Each Bidder must rely on the terms and conditions contained in the Contract, when, and if, finally executed, subject to such limitations and restrictions which may be specified in such Contract. Any reference to this RFB in the Contract with Transport Commissioner, Odisha or any correspondence between Transport Commissioner, Odisha and the Bidder shall not be construed as this RFB forming part of such contract.
13. The Bidder is prohibited from any form of collusion or arrangement by a Bidder (or its advisers or consultants) in an attempt to influence the selection and award process. Giving or offering of any gift, bribe or inducement or any attempt to any such act on behalf of the Bidder towards any officer/employee of Transport Commissioner, Odisha or to any other person in a position to influence the decision of Transport Commissioner, Odisha any other person associated with the bidding process, for showing any favor in relation to this Bid or any other contract, shall render the Bidder to such liability/penalty as Transport Commissioner, Odisha, may deem proper, including but not limited to rejection of the Bid and forfeiture of the Earnest Money Deposit.
14. All documents and communication will be in English only. Any document which is submitted in any other language, other than English will be acceptable only if accompanied by self- certified English translated version. Transport Commissioner, Odisha will have the right to verify the same independently.
15. Laws of the Republic of India are applicable to this RFB. The courts at Cuttack, Odisha shall have exclusive jurisdiction in relation to any disputes arising from this RFB.
16. Each Bidder’s acceptance of delivery of this RFB constitutes its agreement to, and acceptance of, the terms set forth in this Disclaimer. By acceptance of this RFB, the recipient agrees that this RFB and any information herewith supersedes document(s) or earlier information, if any, in relation to the subject matter hereof.
17. All disputes shall be subject to the exclusive jurisdiction of Courts at Cuttack only.

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## DEFINITIONS

The following words and expressions shall, unless repugnant to the context or meaning thereof, have the meaning hereinafter respectively ascribed to them:

- (i) **“Applicable Laws”** means all laws in force and effect as of the date hereof and which may be promulgated or brought into force and effect hereinafter in India including any revisions, amendments or re-enactments including without limitation rules, regulations and notifications made there under and judgments, decrees, injunctions, writs, orders and notifications issued by any court of record or any appropriate authorities, as may be in force and effect during the subsistence of the Contract.
- (ii) **“Authorized Signatory”** means the Bidder’s duly authorized representative having the Power of Attorney (PoA) to do in its name and on its behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of its Bid in response to this RFB proposed by the Transport Commissioner, Odisha through its Transport Commissioner (the " Transport Commissioner, Odisha "), including but not limited to signing and submission of Bid and other documents and writings, participate in Pre-Bid and other conferences and providing information/ responses to the Transport Commissioner, Odisha, representing it in all matters before the Transport Commissioner, Odisha, signing and execution of all contracts including the Contract Agreement and undertakings consequent to acceptance of its Bid, and generally dealing with the Transport Commissioner, Odisha in all matters in connection with or relating to or arising out of its Bid for the said Project.
- (iii) **Acceptance Tests”** means the tests of Equipment as per the agreed plan with the Transport Commissioner, Odisha or their authorized representative.
- (iv) **“Affected Party”** means a Party whose performance of its obligations under the Contract is prevented, hindered or delayed in whole or in part by reason of Force Majeure.
- (v) **“I&C Centre”** means **Inspection and Certification Centre**.
- (vi) **“ATS”** means Automated Testing Station.
- (vii) **“Successful Bidder”** includes (without limitation to) any person, company, firm, organization, consortium with whom Transport Commissioner, Odisha has entered into a Contract for execution of the Works and the permitted legal successors in title to the Bidder, but not any assignee of the Bidder
- (viii) **“Bidder's Documents”** means in addition to the RFB, those documents to be prepared by the Bidder under the Contract including without limitation, such technical documents specified in Technical Conditions of Contract and such data, drawings, designs, design information, calculations, schedules, specifications, plans, inspection and test plans, manuals, programmes, erection and test data and all other information and documents including all eye readable or computer or other machine readable data relating to the Execution of the Works or otherwise for the performance of the Contract.
- (ix) **“Bidder's Insurances”** means the insurance policies to be purchased and maintained in full by the Bidder.
- (x) **“CMVR”** means Central Motor Vehicles Rules, 1989 as amended from time to time.
- (xi) **“Change in Law”** means the occurrence of any of the following after the due date of Bid:
  - (a) the enactment of any new Indian law;
  - (b) the repeal, modification or re-enactment of any existing Indian law;
  - (c) the commencement of any Indian law which has not entered into effect until the date of Bid;
  - (d) a change in the interpretation or application of any Indian law by a judgement of a court of record which has become final, conclusive and binding, as compared to such interpretation or application by a court of record prior to the date of Bid; or
  - (e) any change in the rates of any of the Taxes that have a direct effect on the Project.
- (xii) **“Completion of the Works”** means the execution of Works as specified in the **“Section 4 Scope of Works”** of this RFB, to the satisfaction of Transport Commissioner, Odisha and





the Transport Commissioner, Odisha has issued completion certificate in this regard.

- (xiii) **“Competent Authority”** means Transport Commissioner, Odisha
- (xiv) **“Confidential Information”** means everything contained in this RFB and the consequent Contract, all documentation, data, particulars of the Works and/or the Project Facility and/or the Project and technical or commercial information made by (or on behalf of) Transport Commissioner, Odisha or obtained directly or indirectly by the Bidder or which is generated by the Bidder or any sub Bidder or any information or data that the Bidder receives or has access to as a result of the Contract, other than information:
- (a) which is generally available in the public domain other than by any unauthorized actions or fault of the Bidder; or
- (b) which is in the possession of the Bidder with a right to disclose;
- (xv) **“Contract”** means the written agreement in the **Form N** of this RFB signed between the Transport Commissioner, Odisha and the Successful Bidder, and includes the RFB along with its enclosures, annexure, schedules, addendum/ corrigendum, clarifications, issued from time to time during the Bid process
- (xvi) **“Commencement Date”** shall mean the actual date of commencement of operation of the ATS.
- (xvii) **“DoT”** means the Transport Commissioner, Odisha.
- (xviii) **“Encumbrance”** means any encumbrance such as mortgage, charge, pledge, lien, hypothecation, security interest, assignment, privilege or priority of any kind having the effect of security or other such obligations and shall include without limitation any designation of loss payees or beneficiaries or any similar arrangement under any insurance policy pertaining to the Project Facility and/or the Works, physical encumbrances and encroachments on the Project Site.
- (xix) **“Equipment”** means any apparatus/machine, manufactured indigenously or abroad, procured for the implementation of the Works as per Scope of Work specified in Section 4 of this RFB.
- (xx) **“Execution of the Works”** means the design, procurement, civil work, supply, assembly, erection, installation, testing, commissioning, trial runs and completion of the Works and the correction of defects in the Works and all works and things required to be undertaken pursuant to this RFB and the consequent Contract.
- (xxi) **“Force Majeure Period”** means the period commencing from the date of occurrence of a Force Majeure and ending on the date on which the Affected Party, acting in accordance with the Good Industry Practice, resumes or should have resumed such of its obligations the performance of which was excused in accordance with the Contract.
- (xxii) **“GoI”** means Government of India
- (xxiii) **“Govt. of Odisha”** means Government of Odisha.
- (xxiv) **“Good Industry Practice”** means the exercise of the highest degree of skill, diligence, prudence, safety and foresight in compliance with the undertakings and obligations under the Contract which would be expected from a skilled and experienced person engaged in the planning, design, execution, testing, implementation, operation and maintenance or supervision or monitoring thereof or any of them of works of the type, nature and scope similar to that of the Works.
- (xxv) **“Intellectual Property”** means copyright, all rights conferred under statute, common law or equity in relation to inventions (including patents), registered and unregistered trademarks and service marks, registered and unregistered designs, circuit layouts, confidential information, proprietary information and all other rights resulting from intellectual activity in the industrial, scientific, literary or artistic fields.
- (xxvi) **“Liquidated Damages”** means damages described in this RFB to be paid by the Successful Bidder to the Transport Commissioner, Odisha as compensation.
- (xxvii) **“Maintenance Spare Parts”** means the maintenance spare parts for the Equipment and includes the critical, replacement and breakdown spare parts.
- (xxviii) **“MoRTH”** means Ministry of Road Transport and Highways, Government of India.



- (xxix) **“Performance Standards”** means such performance standards for the operation and maintenance of the Project Facility as may be applicable pursuant to the Contract.
- (xxx) **“Pre-Dispatch Test”** means test by the Successful Bidder at manufacturing site ensuring the quality check of the equipment.
- (xxxi) **“Project”** means Purchase, Supply, Installation & Commissioning of Vehicle Testing Equipment and Civil Work for Equipment Foundation as well as Operation & Maintenance of Automated Testing Station (ATS) on the terms and conditions contained in this RFB and in the consequent Contract.
- (xxxii) **“Project Facility”** means the facilities as specified in the RFB, being developed in accordance with the Project and includes all its buildings, equipment, facilities, hardware, software and systems and includes without limitation, where the circumstances so require, any expansion thereof from time to time.
- (xxxiii) **“Project Facility Insurance”** means the insurance policies to be purchased and maintained in force by the Successful Bidder.
- (xxxiv) **“Punch List Items”** means items of works of a minor or snagging nature which do not affect the performance of the Equipment, where agreed with Transport Commissioner, Odisha which remain incomplete at the Date of Completion of the Works.
- (xxxv) **“Quality Assurance Plan”** means that plan referred to in this Section.
- (xxxvi) **“RFB”** means Request for Bid issued by the Transport Commissioner, Odisha through tender for the selection of Successful Bidder for Supply, Installation & Commissioning of Vehicle Testing Equipment And Civil Work For Equipment Foundation as well as Operation & Maintenance of Automated Test Station (ATS) and includes the Bid document along with its Sections, Forms, Annexure, Addendum, Corrigendum et-cetera.
- (xxxvii) **“Related Works”** means works other than the Works, performed or undertaken by Transport Commissioner, Odisha or other Bidders or Successful Bidders of Transport Commissioner, Odisha or any Bidder employed in connection with the Project Facility and/or services related thereto or by public or private utilities or by other authorities or by any Relevant Authority, either prior to, concurrently or sequentially with the Works at, on, over or adjacent to the Project Site in connection with or related to the Project Facility and which may be connected to, associated with, ancillary to or otherwise related to or relevant to the Works.
- (xxxviii) **“Relevant Authority”** includes the Department of Customs and Excise, the Ministry of Finance, the Department of Heavy Industry, Ministry of Heavy Industries and Public Enterprises or any other subdivision or instrumentality thereof, any local authority, or any authority empowered by the Applicable Laws.
- (xxxix) **“Spare Parts”** means such Maintenance Spare Parts as are required for successful and uninterrupted operation of the ATS.
- (xl) **“Technical Conditions of Contract”** means the document entitled Technical Conditions of Contract, as included in the Contract, and any additions and modifications to such document in accordance with the Contract. Such document includes the design and /or other technical specifications for the Works.
- (xli) **“Termination Date”** means the date specified in the notice of Termination given by either Party to the other Party, from which the Contract shall stand terminated.
- (xlii) **“Testing Plans”** means those plans referred to in this RFB which set out the tests and inspections required to be performed by the Bidder in accordance with the Technical Conditions of Contract and the means by which the Bidder intends to conduct and satisfy such tests and inspections.
- (xliii) **“Training Plan”** means plan proposed by the Bidder in Form (J) Clause 6 of this RFB and as approved by the Transport Commissioner, Odisha.
- (xliv) **“Warranty”** means an assurance from the Bidder/Equipment Manufacturer for uninterrupted performance of the Equipment after the acceptance of the Equipment, as per the performance parameters specified under the Contract and includes any alteration, repair or replacement of any defective or damaged part/ design or material used for the Equipment at the cost of the Bidder over the Warranty Period for ensuring such uninterrupted



performance.

- (xlv) “**Works**” means the Scope of Work as specified in the **Section 4** of this RFB.
- (xlv) “**ATS Cuttack**” means existing Inspection and Certification centre at cuttack, Odisha.

## SECTION – 1: INTRODUCTION

- 1.1** Transport Commissioner, Odisha has decided to upgrade the existing Inspection & Certification Centre at Cuttack to Automated Testing Stations (ATS). The Existing I&C center was established under Ministry of Road Transport and Highways (MoRTH) pilot project. The International Centre for Automotive Technology (ICAT), Manesar, Gurugram (Haryana) is engaged by Transport Commissioner, Odisha to provide consultancy services for selection of Successful Bidder through physical tender for Up- Gradation of existing I&C equipment, supply of additional vehicle Testing equipment, IT Equipment as per the requirement of CMVR Chapter XI, establishment of Two wheeler Test lane including civil work, Supply, Installation & Commissioning of testing equipment as well as Operation & Maintenance of the said Automated Testing Station (ATS).
- 1.2** Transport Commissioner, Odisha invites tender for selection of Successful Bidder for the said work as per clause above on the terms and conditions contained in this RFB and in the consequent Contract. Brief Scope of Work and the timeline for tender is given in the table below.

**Table-1**

Sr. No.	Subject	Detail Description
1	2	3
1	<b>Name &amp; Address of the tender inviting Authority</b>	Transport Commissioner, Odisha <b>Address:</b> 6th Floor, Rajaswa Bhawan, Chandini Chowk, Cuttack, Odisha 753002 Tel : +91-671-2507042 Email : addl.comm.tech@gmail.com
2	<b>Project Officer in-charge</b>	Additional Commissioner Transport (Technical) Email : addl.comm.tech@gmail.com
3	<b>Contact Person for Queries</b>	Joint Commissioner Transport (Technical) Email : addl.comm.tech@gmail.com
4	<b>Mode of Tendering</b>	Offline Mode, Tender document shall be published on <a href="http://www.odishatransport.gov.in">www.odishatransport.gov.in</a>
5	<b>Scope of Work and nature of this RFB</b>	(a) Up- Gradation of existing I&C vehicle testing equipment as per the specifications prescribed in Section 7 of this RFB, supply of additional vehicle Testing equipment, IT Equipment (including Software & hardware) as per the requirement of CMVR Chapter XI, (b) Construction of Two-wheeler Test Lane comprising of Test shed, electrical, plumbing, equipment foundation, trimix flooring, epoxy coating on the flooring, conduiting for cables including 3 phases & Single phase cables, Compressor piping, Drainage, Water Supply, Sewage, Internal and External Electrification and other allied works for establishment of two wheeler test lane. (c) Supply, installation and commissioning of testing equipment for Two Wheeler Test Lane. (d) Comprehensive Maintenance Contract for 5 years after completion of warranty period of 2 years for all testing equipment, utilities, Software & hardware installed for Two-wheeler test lane. (e) Comprehensive Maintenance Contract for 5 years after completion of warranty period of 2 years for the new testing

		<p>equipment , utilities, Software &amp; hardware installed afresh for LMV, HVM test lane.</p> <p>(f) Comprehensive Maintenance Contract for 7 years for all existing testing equipment , utilities, Software &amp; hardware already installed for LMV, HVM test lane including the upgraded testing equipment.</p> <p>(g) Upkeep, monitoring &amp; maintenance of all existing utilities and infrastructure.</p> <p>(h) Operation &amp; Maintenance of the said Automated Testing Station (ATS) on the terms and conditions contained in this RFB and in the consequent Contract.</p> <p>(i) Statutory and local bodies approvals/ clearances.</p> <p>(j) Preparation of Manuals &amp; imparting induction training and refresher training to the officers of Motor Vehicles Department, Government of Odisha.</p> <p>(k) Payment of all statutory dues towards electricity, water, internet, telephone and all other operational charges are as required for operation of the ATS to conduct the functional tests.</p> <p>(l) Payment of Statutory Audit fees &amp; Consultancy fees</p> <p>(m) The Successful Bidder shall perform, execute and implement the works as per Scope of Work given in Section 4 of this RFB.</p>
6	<b>Earnest Money Deposit (EMD) Refundable</b>	<b>EMD of Rs. 10,00,000 /- (Rs. Ten Lakhs only)</b> shall be paid in shape of Demand Draft issued by any nationalized bank drawn in favor of Transport Commissioner, Odisha payable at Cuttack.
7	<b>Bid Processing Fee (Non-refundable)</b>	<b>Rs 10,000/- (Rupees Ten Thousand Only)</b> Bid Processing Fee plus taxes as applicable Bid Processing Fee shall be paid in shape of Demand Draft issued by any nationalized bank drawn in favor of Transport Commissioner, Odisha payable at Cuttack.
8	<b>Start Date of Downloading of Bid Document</b>	From <b>1100 hrs on 09.09.2023</b> From <a href="http://www.odishatransport.gov.in">www.odishatransport.gov.in</a>
9	<b>Last Date of submission of pre-bid Queries</b>	Up to <b>22.09.2023 1700 hrs</b> through e-mail to “ <a href="mailto:addl.comm.tech@gmail.com">addl.comm.tech@gmail.com</a> ” In the prescribed format only.
10	<b>Pre-Bid Meeting</b>	On <b>03.10.2023</b> through Virtual Mode. The time and VC link shall be informed by 02.10.2023 to the intended bidders through mail.
11	<b>Date of Submission of Bids</b>	Up to <b>12 Noon on 18.10.2023</b> in person to be dropped in the tender box available at Transport Commissioner’s office. No tender shall be received by post/courier/mail



12	<b>Opening of Technical Bids</b>	<b>4 PM on 18.10.2023</b> at the Office of Transport Commissioner, 6th Floor, Rajaswa Bhawan, Cuttack, Odisha 753002
3	<b>Publication of Results of the Technical Bid</b>	On <b>26.10.2023</b> and the <b>result shall be published</b> on the portal <a href="http://www.odishatransport.gov.in">www.odishatransport.gov.in</a>
14	<b>Opening of financial Bids</b>	Will be intimated through REGISTERED E-MAIL to the Bidders who qualify in the evaluation of Technical Bid
15	<b>Bid Validity</b>	<b>180 days</b> from the last date of Bid Submission. The authority reserves the right to extend the Bid Validity after its expiry.

## SECTION – 2: INSTRUCTIONS TO BIDDERS

2.1 The RFB can be downloaded directly from the portal [www.odishatransport.gov.in](http://www.odishatransport.gov.in)

### 2.2 PREPARATION OF BIDS/PROPOSALS

- (a) The Bidder shall ensure all the requirements specified in this RFB are duly complied.
- (b) The Bidders are expected to carefully examine all the contents of this RFB and take them fully into account before submitting their Bids. Failure to comply with the requirements as detailed in this RFB shall be at the Bidder's own risk. Bids which are not responsive to the requirements & conditions of the RFB will be summarily rejected.
- (c) While all efforts have been made to avoid errors in the drafting of the RFB, the Bidders are advised to check the same carefully. No claim on account of any errors detected in the RFB shall be entertained.
- (d) Bidders should examine the clauses and conditions mentioned in this RFB carefully and thoroughly before submitting their bids. For any clarifications, the bidder must send their queries in the prescribed format through email before the pre-bid meeting.
- (e) The Bid prepared by the Bidder and all correspondence and documents relating to the tender exchanged between the Bidder and Transport Commissioner, Odisha shall be in the English language only.
- (f) All the pages of the Bid shall be duly stamped and signed by the authorized signatory of the Sole/Lead bidder. **Authorized signatory of the Lead Bidder shall have to sign the Bid Documents of the Consortium Partners.** Any Bid not complying with the terms and conditions as set out in this RFB and / or not signed by authorized signatory will liable to be rejected.
- (g) The Bidder must obtain for himself on his own responsibility and at his own expenses all the information which may be necessary for the purpose of preparation and submission of the Bid, means of access to the site, nature of the Works and all matters pertaining thereto.
- (h) Bidders are advised to visit the existing I&C centre at Arilo, Cuttack under RTO, Cuttack before submission of bid to understand the current status of the site.
- (i) The Bidder shall fill the '**Contact Details Form**' issued with this bidding document. Transport Commissioner, Odisha would use these details to communicate with the Bidder.
- (j) The cost incurred for Bid Proposal Preparation, Site Visit or any other activities will be borne by the bidder. The Transport Commissioner is not responsible for arranging any activity or entertain any of the bidder during the bidding process.

### 2.3 SCOPE OF WORK

- (a) The scope of Work shall be as described under "**Section 4 Scope of Work and Supply of Equipment**".
- (b) The Successful Bidder shall perform, execute and implement the Works strictly in accordance with the terms and conditions of the RFB and the consequent Agreement. The Successful Bidder shall co-operate with any other contractors appointed by the Transport Commissioner, Odisha for carrying out works not covered under the scope of this project at the project site to ensure that the Works proceed smoothly without any delay and to the satisfaction of Transport Commissioner, Odisha.
- (c) The Work shall be carried out strictly in compliance with the requirements mentioned in the RFB.
- (d) Any subcontracting by the Successful Bidder for execution and implementation of the Works shall be with the prior permission of Transport Commissioner, Odisha.
- (e) No sub-contracting shall be allowed for the Operation of centre to conduct functional tests and maintenance of the testing equipment and utilities.
- (f) The Successful Bidder shall make his own arrangements to obtain all materials required for performing, executing and implementing the Works, as per scope of work of this RFB.

### 2.4 EARNEST MONEY DEPOSIT (EMD)

- (a) The Bids shall be accompanied by an EMD of Rs 10,00,000/- (Rs Ten Lakhs Only). EMD shall



- be paid in shape of demand draft drawn in favor of Transport Commissioner, Odisha issued by any nationalized bank payable at Cuttack and shall be attached along with the Technical Bid of the tender.
- (b) A Bid which is not accompanied by Earnest Money Deposit as per this RFB shall be construed as non-compliant bid and shall be summarily rejected.
  - (c) EMD of the unsuccessful Bidders in Technical Bid will be returned by the Transport Commissioner, Odisha after finalization of Technical Bid.
  - (d) EMD of the unsuccessful Bidders in Financial Bid, will be returned after the submission of Performance Bank Guarantee by the Successful Bidders as per this RFB.
  - (e) No interest shall be paid to any Bidder against the submitted EMD.
  - (f) In case of the extension of the Bid validity period as per this RFB, the validity of the EMD shall be extended for a further period as required by Transport Commissioner, Odisha.
  - (g) Transport Commissioner, Odisha shall have right to forfeit EMD of the Bidder, in case such Bidder: –
    - (i) has withdrawn its Bid during the validity period of the Bids and any extensions thereto without the written consent of Transport Commissioner, Odisha;
    - (ii) alters the quoted rates/conditions in the Bid after opening of the Financial Bid;
    - (iii) fails to deposit the Performance Bank Guarantee within the period specified in the RFB;
    - (iv) has provided wrong or false information;
    - (v) fails to comply with the conditions of Consortium as specified in this RFB.
  - (h) Transport Commissioner, Odisha shall have right to forfeit Performance Bank Guarantee of the Bidder, in case such Bidder:
    - (i) fails to start the work as specified in this RFB or fails to execute the Contract within a period of 30 days from the date of issue of the Letter of Award;
    - (ii) has provided wrong or false information;
    - (iii) fails to comply with the conditions of Consortium as specified in this RFB.

## 2.5 BID PROCESSING FEE

- (a) The Bidders shall deposit bid processing fee of **Rs 10,000/- (Rupees Ten Thousand only) Bid Processing Fee plus taxes as applicable**
- (b) The Bid Processing Fee is non-refundable.
- (c) A Bid which is not accompanied by Bid Processing Fee as per this RFB shall be construed as non-compliant bid and shall be summarily rejected.
- (d) Bid Processing Fee shall be paid through demand draft drawn in favour of Transport Commissioner, Odisha payable at Cuttack issued by any nationalized bank and shall be attached along with the technical bid of the tender.

## 2.6 SUBMISSION OF BIDS

- (a) The Bidders will submit physically as details specified in the Bid Datasheet and as per the procedure given below.
- (b) Two separate sealed bids

**Envelope 1 – Superscript “Technical Bid for SELECTION OF SUCCESSFUL BIDDER FOR UPGRADATION OF EXISTING INSPECTION AND CERTIFICATION CENTRE AT CUTTACK TO AUTOMATED TESTING STATION, ESTABLISHMENT OF TWO-WHEELER TEST LANE AND OPERATION AND MAINTENANCE OF ATS”**

Technical Bid envelope shall have below listed documents.

a- Tender Fees

b- EMD

c- Technical Bid documents along with Supporting Documents as defined in this RFB.

**Envelope 2 – Superscript “Financial Bid for SELECTION OF SUCCESSFUL BIDDER FOR UPGRADATION OF EXISTING INSPECTION AND CERTIFICATION CENTRE**





***AT CUTTACK TO AUTOMATED TESTING STATION, ESTABLISHMENT OF TWO-WHEELER TEST LANE AND OPERATION AND MAINTENANCE OF ATS***

Financial Bid envelope shall have one Financial Proposal only as per the prescribed format provided in the RFB. No other documents to be submitted with Financial Proposal.

**Envelope 3** – Both the Financial Bid and Technical Bid will be packed with a single envelope in hard copy only. The Name of the Tender and Detailed Address of the Bidder must be super scripted on the envelope. The bid shall be submitted on the below address. No Bid shall be received through Posts/Courier/Mail.

Address: TRANSPORT COMMISSIONER, ODISHA,  
6<sup>TH</sup> FLOOR, RAJASWA BHAWAN, CUTTACK, PIN-753002.

- (c) A CD Drive/Pen Drive with all the scanned technical bid document along with the hard copy of bid also to be submitted by the bidder. The Bidder shall ensure that CD Drive/Pen Drive submitted by them is free from any malware/virus/trojan etc.
- (d) The Bids shall be submitted only on the Bid Submission Date and time given in the RFB or its extended date notified through corrigendum. No bid shall be received after the submission date & time.
- (e) The proposal and all correspondence and documents shall be written in English language. In case of accompanying literature or brochures etc being in a language other than English language, a certified translation should accompany the documents as a part of the RFP. All proposals and accompanying documentation will become the property of the department and will not be returned.
- (f) Once the Bid submission date and time is over, the bidders cannot submit their Bid. The bidders shall only be held responsible for any delay and whatsoever reason in submission of Bid.
- (g) The Transport Commissioner, Odisha, reserves the rights to modify, change, amend & remove any conditions, clauses and information provided in this RFB. Any modification, changes or removal of any clause shall be notified by issuance of suitable corrigendum or addendum. And such corrigendum or addendum or both shall be hosted in the web portal [www.odishatransport.gov.in](http://www.odishatransport.gov.in) before bid submission date.

**(h) Deadline for Submission of BIDS**

Bids must be submitted by the Bidders on the mentioned address in clause (a) not later than the date and time specified in this Tender document.

The Transport Commissioner, Odisha may extend this deadline for submission of Bids by amending the Tender document, in which case all rights and obligations of the department and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended, Bids should be submitted on or before the date and time as mentioned in tender document.

**(i) Late Bids**

The concerned Bidder/Consortium will be held responsible if BIDS or any of the documents are not submitted in time due to any reasons. No bids and documents will be accepted after due date and time as mentioned in this RFB.

**(j) Receipt and opening of proposal by the Purchaser**

- (i) Bidder are advised to submit their proposal in Two- Bid' system with Technical and Financial bids separately.
- (ii) Please note that prices should not be quoted in the Technical Bid. The Prices should be quoted in the Financial Bid only. On receipt of the bid in hard copy the technical proposals will be opened first by Tender Evaluation Committee (TEC) members in the office of Transport Commissioner, Odisha.
- (iii) The Transport Commissioner, Odisha or the tender committee or the authorized officers by Transport Commissioner will open all technical proposals, in the presence of Bidder or their authorized representatives at on the date and time mentioned in tender document. The Interested Bidder's representatives who are/ will be present at the time of technical bid opening shall record their attendance on the attendance sheet.



In the event of the specified date of the Proposal proposed technical bid opening date being declared as a holiday in that case authority shall fix up another date and shall intimate to the bidder on their registered e-mail ID. Authorization letter (on letterhead of the bidder) and Legal Identification Proof photo copy shall be submitted while attending the meeting associated with this bid process.

- (iv) The bidder names & the presence and other details as the Transport Commissioner, Odisha at its discretion may consider appropriate, will be announced at the opening of the technical proposal. The names of such Bidders not meeting the qualification requirement shall be notified subsequently.

After evaluation of technical proposal, the Transport Commissioner shall notify those Bidder whose proposal were considered nonresponsive to the conditions of the RFB and those bidders who are not meeting the Qualification Requirements indicating that they did not technically qualify for this bid process. The Transport Commissioner will simultaneously notify the bidders on the Tender portal ([www.odishatransport.gov.in](http://www.odishatransport.gov.in)), whose technical bid proposal was evaluated and has been qualified for opening of the financial bid proposal.

- (k) Seeking any revision of rates or backing out of the bid claiming for not having referred to any or all the document provided in the Bid Document will be construed as plea to disrupt the bidding process and in such cases the EMD shall be forfeited.
- (l) The Bidder will not be able to submit his bid after expiry of the date and time of submission of Bid. The Transport Commissioner, Odisha reserves the right to extend the bid submission date by issuance of corrigendum.
- (m) Bids only in the prescribed format available on the website [www.odishatransport.gov.in](http://www.odishatransport.gov.in) will be considered.
- (n) The cost of tender documents is non-refundable.
- (o) The Technical Bid and Financial Bid shall be duly signed by the Bidder itself or by a person authorized by the Bidder. The authorization letter along with legal identity proof shall be submitted along with the Technical Bid.

## 2.7 TECHNICAL AND FINANCIAL BID CONDITIONS

### **Part –1: The Technical Bid Conditions**

- (a) Transport Commissioner, Odisha will not be responsible for delay submission by any Bidder, due to any reason. Bidders are required to submit their Bids physically at the office of the Transport Commissioner, Odisha located at 6th floor, Rajaswa Bhawan, Cuttack, Odisha, PIN-753002 before the closure of bid submission date and time. One Bidder/consortium member can submit only one bid. A bidder/any member of consortium cannot submit multiple bids in any manner.
- (b) The qualification conditions of Technical Bid and the necessary documents to be submitted along with Technical Bid, are given in the table below:

Table-2

S.No.	Qualification Conditions	Documents to be submitted along with Technical Bid
1	2	3
1	<ul style="list-style-type: none"> <li>➤ The Bidder may be Sole Bidder or a joint venture/consortium.</li> <li>➤ The Sole Bidder or members of a joint venture/consortium shall be a company registered under Company Act 1956/2013 or a LLP (Limited Liability Partnership) or a registered Partnership Firm under Partnership Act 1932 or a Proprietorship firm registered under Shop &amp; Establishment Act.</li> <li>➤ In case of Consortium, the maximum numbers of members are restricted to three only and the member with highest financial equity share in the Consortium shall be nominated as the Lead member, who shall have an equity share of not less than 51% in the Consortium during the entire project tenure.</li> <li>➤ The Lead Member of Consortium must have office in India.</li> <li>➤ Lead member of Consortium shall not be permitted to participate either in an individual capacity or as a member of another Consortium in the same tender.</li> <li>➤ No consortium shall be formed after submission of bid.</li> </ul>	<p>Notarized copy of the Certificate of Incorporation of the company issued by Registrar of Companies and also attach copy of Company's Articles of Association as well as Memorandum of Association</p> <p style="text-align: center;"><i>or</i></p> <p>Notarized copy of the Certificate of Incorporation of LLP issued by Registrar of Companies, and self-certified copy of deed of LLP duly uploaded on the MCA (Ministry of Corporate Affairs) website.</p> <p style="text-align: center;"><i>or</i></p> <p>Notarized Copy of Registration Certificate of Partnership registered under the Partnership Act 1932 and self-certified copy of all partnership deeds.</p> <p style="text-align: center;"><i>or</i></p> <p>Notarized copy of the original Certificate of Incorporation in case of Foreign Bidder / Consortium Member with English translation (if required).</p> <p style="text-align: center;"><i>or</i></p> <p>Notarized copy of the original Certificate of Shop &amp; Establishment Act</p> <p style="text-align: center;"><i>or</i></p> <p>Notarized copy of the original Registration of Udyam Aadhar.</p>
		<p><b>In case of Consortium:</b></p> <p>(a) Notarized Copy of the MOU in <b>Form (D)</b> of this RFB clearly specifying complete details of the members of the Consortium, their share and responsibility in the Consortium etc. particularly with reference to financial, technical, and other obligations.</p> <p>(b) Notarized proof of the Lead Bidder having details of office in India.</p> <p>Bid shall be submitted in the name of consortium, however the Lead member of the consortium will be responsible and accountable for execution of the work as defined in the RFB.</p>

S. No.	Qualification Conditions	Documents to be submitted along with Technical Bid
1	2	3
2	<p>a. The sole bidder/ Any member of the consortium should have minimum three (3) years of experience in last ten (10) years of presence in handling industrial automation process/ process operation or allied experience.</p> <p>b. The equipment manufacturer engaged with the bidder should be an OEM/ Authorized OEM dealer / partner.</p> <p>c. The equipment manufacturer should have experience of supply of equipment globally consisting of major equipment Roller Brake Tester, Speedometer Tester, Headlight Tester, Suspension Tester, Side slip Tester, Axle play detector.</p>	<p>a. <b>Form (C)</b> of this RFB, duly signed by authorized signatory and relevant documents for experience to be attached with the form.</p> <p>b. <b>Form (C)</b> of this RFB, Details of equipment manufacturer to be provided.</p> <p>c. Bidder shall submit Notarized <b>Form (Q) References</b>. The bidder shall submit a proof of notary certified copy of the original Work done completion certificates issued by the Government authorities / PSUs of relevant business in India.</p> <p>d. The Equipment manufacturer/ Supplier as the case maybe, shall fill and submit notarized <b>Form (Q) References</b>, where the manufacturer has successfully manufactured &amp; supplied Test Lane equipment for Inspection stations. The Equipment manufacturer/ Supplier shall submit a proof (notary certified copy of the original work done completion certificates issued by the Government authorities / PSUs of relevant business in India.</p>
3	<p>The Sole Bidder / Lead Bidder of the Consortium shall have an average annual turnover of not less than Rs 10.00 (Ten) Crores in the last 3 Financial years. (i.e. 2019-20, 2020-21 &amp; 2021-22) and should have a positive profit after tax deduction in the last three financial years.</p>	<ul style="list-style-type: none"> <li>▪ Turnover Certificate of all the said three financial years duly audited by a Chartered Accountant with UDIN.</li> <li>▪ Certified Copy of the audited profit / loss statement of all the said three financial years by a Chartered accountant with UDIN, as applicable.</li> </ul>
4	<p>The Sole/Lead Bidder shall have positive net worth during the last financial year (i.e. 2019-20, 2020-21 &amp; 2021-22).</p>	<p>Net worth certificates duly audited &amp; certified by a Chartered Accountant with UDIN.</p>
5	<p>The Sole/Lead Bidder shall have a valid GST and a valid PERMANENT ACCOUNT NUMBER (PAN).</p>	<p>Notarized Copy of GST Registration and PAN.</p>
6	<p>The Sole Bidder/all members of the Consortium shall not be under ban or debarment or blacklisting by Govt. of Odisha or any other Ministry/Department of the Govt. of India/State Govt. or any other country in the last five years from the date of publication of this Bid.</p>	<p><b>Notarized Affidavit.</b> Format for Non-blacklisting</p>



7	<p>The Sole Bidder/ all members of the Consortium shall submit a Power of Attorney (PoA) in the name of its employee as Authorized Signatory in Form (E).</p> <p>In case of Consortium, Power of Attorney to be submitted by all members in favor of the Lead Member of Consortium as their authorized signatory in Form (E-1).</p> <p>If the Sole /Lead Bidder is a Company registered under Company Act, PoA shall be duly passed through resolution in the Board Meeting of the Company.</p>	<p><b>Duly notarized Form (E) and Form (E-1),if applicable.</b></p>
8	<p>The Sole Bidder / Lead Bidder of the Consortium shall give unconditional compliance of all the terms and conditions as mentioned in the tender document and clause by clause compliance for the technical specifications as prescribed in this tender.</p>	<p><b>Duly Notarized Affidavit.</b></p>
9	<p>The Sole Bidder / all members of the Consortium shall give affidavit that he has not been convicted by any Court of Competent Jurisdiction in the last five years from the date of publication of this Bid.</p>	<p><b>Notarized Affidavit.</b></p>
10	<p>The Sole Bidder / Lead Bidder of the Consortium shall submit duly notarized Letter for Submission of Technical Proposal.</p>	<p><b>Form (A) of this RFB</b> on the Letter Head of the Bidder duly signed by authorized signatory and duly notarized.</p>
11	<p>The Sole Bidder / Lead Bidder of the Consortium shall submit representations and warranties.</p>	<p><b>FORM (A-1)</b> duly notarized.</p>
12	<p>The Sole Bidder / Lead Bidder of the Consortium shall furnish an undertaking for confidentiality.</p>	<p><b>Form (B)</b> of this RFB, duly signed by authorized signatory and duly notarized.</p>
13	<p>The Sole Bidder / Lead Bidder of the Consortium shall submit Bidder's Organization and Firm's Profile.</p>	<p><b>Form (C)</b> of this RFB, duly signed by authorized signatory.</p> <p>Detailed Information about Consortium shall be in <b>Form (D)</b></p> <p>Duly notarized Copy of MoU in the case of Consortium to be submitted along with Technical Bid.</p>
14	<p>As per the specifications mentioned in the Section 7, the Sole Bidder / Lead Bidder shall submit the detailed technical specifications.</p>	<p><b>Form (H)</b> of this RFB, duly signed by authorized signatory, to be uploaded along with Technical Bid.</p>



15	The Equipment Manufacturer of testing lane equipment shall submit an undertaking that it shall provide Warranty of minimum 2 year from the date of commissioning of the Equipment and thereafter CMC services of its Equipment uninterruptedly for a period of 5 (five) years from the date of expiry of warranty.	<b>Form (I) of this RFB</b> duly notarized.
16	As per Ministry of Finance, Department of Expenditure, Public Procurement Division Order (Public procurement No. 1) F.No.6/18/2019-PPD dated 23rd July, 2020 regarding Restrictions under Rule 144 (xi) of General Finance Rules (GFRs), 2017, any Bidder (including members of consortium) from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority. In work contracts, including turnkey contracts, contractors shall not be allowed to sub-contract to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.  <i>Explanation: for this provision, Competent Authority means the concerned Ministry/Department of Government of India.</i>	(a) If applicable, a certificate of compliance regarding this order shall be submitted by the bidder along with technical bid.  The Sole Bidder/ Lead Bidder shall submit the declaration duly notarized about the country of origin for the quoted Equipment in Technical Bid.
17	Proof of EMD Payment	Demand draft details shall be quoted in <b>Form (F)</b>  (b) In case of Consortium, EMD shall be submitted only in the name of the lead member and not in the name of constituent member.
18	Proof of Bid Processing Fee Payment	Demand draft details shall be quoted in <b>Form (F-1)</b>  In case of Consortium, Bid Processing Fee shall be submitted only in the name of the lead member and not in the name of constituent member.
19	Bid shall be valid for a period of <b>180 days</b> from the last date of submission of Bids.	The Sole Bidder / Lead Bidder of the Consortium shall submit <b>Notarized Affidavit</b> in this regard.

S. No.	Qualification Conditions	Documents to be submitted along with Technical Bid
1	2	3
20	The Bidder shall not have a conflict of interest in the procurement in question	A <b>Notarized Affidavit</b> in this regard is to be made by the Sole Bidder/all members of the Consortium.
21	Description of Approach, Methodology Work and Training Plan	<b>Form (J)</b> of this RFB, duly signed by authorized signatory.
22	This RFB and its Addendum/Corrigendum documents shall be stamped and signed by the authorized signatory of Sole/Lead Bidder	Stamped and signed Bid Document.
23	Declaration on non-involvement of legal litigation by bidder or any member of the bidder (in case of consortium/partnership)	<b>Notarized Affidavit. (Format to be added)</b>

Note: (a) All Forms of this RFB, required in support of Technical Bid Conditions, have to be filled in and submit by the Bidder.

### **Part-2: The Financial Bid Conditions**

- (a) The Bidder shall submit Financial Bid as per requirements of this RFB.
- (b) The Vehicle Fitness Inspection Test Fee as well as Fitness Certificate Issuance Fee, shall be collected by the Transport Commissioner, Odisha.
- (c) In Financial Bid, the Bidder shall quote “**the Project Cost**” as per **Form (L) of this RFB in excel sheet**. The Form (L) comprises Schedule I, II, III, IV and V. The summary of cost of Schedule I to IV is the Project Cost i.e. **Schedule V of Form (L)**. **All five Schedules are given in Form (L)**. **The project cost i.e. Schedule V** is given in the following table:

**Table-3**

<b>SCHEDULE V: PROJECT COST</b>				
Sl. No.	Schedule	Description of item	Total Amount in Figures including taxes (In INR)	Total Amount in Words including taxes (In INR)
1	I	Cost of Existing Equipment Up-gradation, additional equipment, IT equipment and Two wheeler test lane equipment		
2	II	Cost of Installation and Commissioning of all equipment		
3	III	Cost of structural Design, Construction of Two wheeler Test lane comprising of Test shed, electrical, plumbing, equipment foundation, trimix flooring, epoxy coating on the flooring, conduiting for cables including 3 phase & Single phase cables, Compressor piping, Drainage, Water Supply, Sewage, Internal and External Electrification		
4	IV	Cost of Operation for 7 (Seven) Years and comprehensive maintenance contract		
5	TOTAL PROJECT COST (in Figures)			

	(Sum of Schedule I, II, III and IV)	
6	TOTAL PROJECT COST (in Words) (Sum of Schedule I, II, III and IV)	

**Selection of Successful bidder shall be carried out as per provision laid down in Section- 9 Evaluation parameters.**

## 2.8 MANNER OF SUBMISSION

- (a) The Bid shall be submitted through offline mode and the sealed bid shall be submitted at the 6<sup>th</sup> Floor, Rajaswa Bhawan, STA, Odisha, Cuttack within the due date and time of submission.
- (b) Transport Commissioner, Odisha may, at its discretion, extend the deadline for submission of Bids by issuing a corrigendum, in which case all rights and obligations of Transport Commissioner, Odisha and the Bidders previously subject to the original deadline, will thereafter be subject to the extended deadline.
- (c) Transport Commissioner, Odisha reserves the right to, without limitation, without incurring any obligation or liability vis-à-vis any Bidder and without expressing any cause or reason thereof, at any time and at its sole discretion annul bidding process, independently verify, disqualify, reject and/or accept any and all Bids or other information and/or evidence submitted by or on behalf of any Bidder, including without limitation pursuant to and/or in connection with:
  - (i) Receipt of a Bid after the submission deadline.
  - (ii) Failure to submit necessary supporting documentation following a specific request by Transport Commissioner, Odisha.

## 2.9 CONDITIONS GOVERNING CONSORTIUM

- (a) In case of Consortium, the maximum number of members are restricted to three only and the member with highest equity share in the Consortium shall be nominated as the Lead member, who shall have an equity share of not less than 51% in the Consortium during the entire project tenure. The Lead Member shall have office in India with valid GST number. The information about the Consortium needs to be furnished in **Form (D) of this RFB**.
- (b) Lead member of Consortium shall not be permitted to participate either in an individual capacity or as a member of another Consortium in the same tender. The tender form shall be submitted only in the name of the Lead member and not in the name of any constituent member. EMD shall be submitted only in the name of the lead member and not in the name of constituent member.
- (c) A copy of Memorandum of Understanding (MoU) executed by the Consortium members shall be submitted by the Lead Member along with the tender. The complete details of the members of the Consortium, their share and responsibility in the Consortium etc. particularly with reference to financial, technical and other obligations shall be furnished in the MoU. The sample of MoU is annexed as **Form-D**.
- (d) Once the tender is submitted, the MoU shall not be modified / altered / terminated during the validity of the tender. The MoU shall be furnished with the roles and responsibilities of each member of the consortium with respect to Scope of Work, as defined in this RFB.
- (e) After the contract has been awarded, alteration/change in the constitution of Consortium shall not be allowed during the current contract period except replacement of any present member of consortium with another member having the same or higher technical qualification.
- (f) On issue of LOA (Letter of Award), a Joint Venture (JV) Agreement among the members of the Consortium (to whom the work has been awarded) shall be executed and got registered before the Registrar of the Companies under Companies Act or before the Registrar/Sub-Registrar under the Registration Act, 1908. This Agreement shall be submitted by the Consortium to Transport Commissioner, Odisha, before signing the contract agreement for the work. In case the Bidder fails to observe/comply with this stipulation, the full Earnest Money Deposit (EMD) shall be forfeited, and other penal actions shall be taken against member of the Consortium and the Consortium. No consortium shall be formed after submission of bid.
- (g) This Joint Venture (JV) Agreement shall have, inter-alia, following Clauses:





- 1) **Joint and Several Liability** - Members of the Consortium to which the contract is awarded shall be jointly and severally liable to Transport Commissioner, Odisha for execution of the project in accordance with this RFB. The Consortium members shall also be liable jointly and severally for the loss, damages caused to Transport Commissioner, Odisha during the course of execution of the contract or due to non-execution of the contract or part thereof.
  - 2) **Duration of the Joint Venture Agreement** - It shall be valid during the entire currency of the contract including the period of extension, if any and the maintenance period after the work is completed.
  - 3) **Governing Laws-** The Agreement shall in all respect be governed by and interpreted in accordance with Indian Laws.
  - 4) **Authorized Member** - Consortium members shall authorize one of the members on behalf of the Consortium to deal with the tender, sign the agreement or enter into contract in respect of the said tender, to receive payment, to witness joint measurement of work done, to sign measurement books and similar such action in respect of the said tender/contract. All notices/correspondence with respect to the contract would be sent only to this authorized member of the Consortium.
  - 5) No member of the Consortium shall have the right to assign or transfer the interest right or liability in the contract without the written consent of the other members and that of Transport Commissioner, Odisha in respect of the said tender/contract.
- (h) Documents to be enclosed by the JV Firm along with the tender:**
- (I) In case one or more of the members of the Consortium is/are partnership firm(s), following documents shall be submitted:
    - (i) Notary certified copy of the Partnership Deed,
    - (ii) Consent of all the partners to enter into the Agreement on stamp paper of appropriate value (in original).
    - (iii) Power of Attorney (duly notarized as per prevailing law) in favor of one of the partners of the partnership firm to sign the Agreement on behalf of the partnership firm and create liability against the firm.
  - (II) In case one or more members is/are limited companies, the following documents shall be submitted:
    - (i) Notary certified copy of resolutions of the Directors of the Company, permitting the company to enter into an agreement, authorizing MD or one of the Directors or Managers of the Company to sign Agreement, such other documents required to be signed on behalf of the Company and enter into liability against the company and/or do any other act on behalf of the company.
    - (ii) Copy of Memorandum and Articles of Association of the Company. If documents are in language other than English, then both, original document & notarized copy of its English translation need to be submitted.
    - (iii) Power of Attorney (duly notarized as per prevailing law) by the Company authorizing the person to act as Lead Member.
  - (III) **In case one or more of the members of the Consortium is/are proprietorship firm, following documents shall be submitted:**
    - (i) Notary certified copy of the Certificate of Registration.
    - (ii) Consent of all the partners to enter into the Agreement on stamp paper of appropriate value (in original).
    - (iii) Power of Attorney (duly notarized as per prevailing law) in favour of one of the partners to sign the Agreement on behalf of the **proprietorship** firm and create liability against the firm.
  - (i) All the Members of Consortium shall certify individually that they are not banned or black listed or debarred by GOVT. OF ODISHA or any other Ministry/Department of the Govt. of India/State Govt. or any other country from participation in tenders/contract in the last five years from the date of publication of this Bid either in their individual capacity as members of the Consortium or the Consortium in which they were/are members.
  - (j) In case the Bidder fails to comply with the conditions governing Consortium, the full Earnest Money

Deposit (EMD) shall be forfeited.

## 2.10 FRAUD AND CORRUPT PRACTICES

- (a) The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Bidding Process and subsequent to the issue of the Letter of Award (LoA) and during the subsistence of the Contract Agreement.
- (b) Notwithstanding anything to the contrary contained herein, or in the LoA or the Contract Agreement, the Transport Commissioner, Odisha may reject a Bid, or withdraw the LoA, or terminate the Contract Agreement, as the case may be, without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice, restrictive practice or collusion in the Bidding Process. In such an event, the Transport Commissioner, Odisha shall be entitled to forfeit and appropriate the EMD or Performance Bank Guarantee, as the case may be, as Damages, without prejudice to any other right or remedy that may be available to the Transport Commissioner, Odisha under the Bid documents and/ or the Contract Agreement, or otherwise.
- (c) Without prejudice to the rights of the Transport Commissioner, Odisha herein above and the rights and remedies which the Transport Commissioner, Odisha may have under the LoA or the Contract Agreement, or otherwise, if a Bidder is found by the Transport Commissioner, Odisha to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice, restrictive practice or collusion during the Bidding Process, or after the issue of LoA or the execution of Contract Agreement, such Bidder shall not be eligible to participate in any tender or RFB or RFP issued by the Govt. of Odisha during the period of three years from the date of issuance of such debarment/blacklisting order.
- (d) For the purposes of this Clause, the following terms shall have the meaning hereinafter respectively assigned to them:

**"Corrupt"** means

- (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bidding Process (for avoidance of doubt, offering of employment to, or employing, or engaging in any manner whatsoever, directly or indirectly, any official of the Transport Commissioner, Odisha who is or has been associated in any manner, directly or indirectly, with the Bidding Process or the LOA or has dealt with matters concerning the Contract Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the Transport Commissioner, Odisha, shall be deemed to constitute influencing the actions of a person connected with the Bidding Process); or
- (ii) save and except as permitted under this Clause, engaging in any manner whatsoever, whether during the Bidding Process or after the issue of the LOA or after the execution of the Contract Agreement, as the case may be, any person in respect of any matter relating to the Project or the LOA or to the Contract Agreement, who at any time has been or is a legal, financial or technical adviser of the Transport Commissioner, Odisha in relation to any matter concerning the Project;

**"Fraudulent"** means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bidding Process;

**"Coercive"** means impairing or harming, or threatening to impair or harm, action directly or indirectly, any person or property to influence any person's participation or in the Bidding Process;

**"Undesirable"** means establishing contact with any person connected with or employed or engaged by the Transport Commissioner, Odisha with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bidding Process.

**"Restrictive"** means forming a cartel, or arriving at any understanding or arrangement among Bidders, with the objective of, restricting or manipulating a full and fair competition in the Bidding Process.

**"Collusion"** is a secret agreement between two or more parties to limit open competition by deceiving, misleading, or defrauding others of their legal rights, or to obtain an objective



forbidden by law typically by defrauding or gaining an unfair market advantage.

**2.11 AMENDMENT TO RFB**

- (a) Transport Commissioner, Odisha reserves the right to revise the scope of work or specifications considered necessary in the bid process through Addendum/ Corrigendum before the last date of submission of bids.
- (b) Addendum/Corrigendum to the RFB may be issued by Transport Commissioner, Odisha prior to the last date of submission of the Bid to clarify the documents or to reflect any modifications etc.
- (c) All such Addendum/Corrigendum shall be treated as an integral part of the RFB.
- (d) All such Addendum/Corrigendum shall be notified only on the portal.
- (e) In order to afford prospective Bidders reasonable time for preparing their tenders after taking into account such amendments, Transport Commissioner, Odisha may, at its discretion, extend the deadline for submission of tenders.
- (f) In case after issuance of Addendum/Corrigendum, any Bidder who has already submitted its Bid, does not resubmit its Bid, it shall be deemed that such Bidder does not intend to modify its Bid on the basis of the Addendum/Corrigendum and the Addendum/Corrigendum have been taken into account.

**2.12 VALIDITY OF BIDS**

- (a) Bids shall be unconditional, firm and remain valid and open for acceptance for a period of **180 days** from the last date of submission of Bids and shall be extendable for further period of 60 days on the request of the Transport Commissioner, Odisha. Any Bid having validity lower than that specified above shall be rejected by Transport Commissioner, Odisha as being non responsive.
- (b) If a Bidder withdraws or revokes his offer after last date of submission of Bids, the Bidder is liable to be disqualified and the Earnest Money Deposit submitted by such Bidder shall liable to be forfeited. The Bidder shall not be allowed to carry out any revision/correction/modification in his Bid after the last date of submission of Bids.
- (c) In case Transport Commissioner, Odisha calls the Bidder for clarifications, then this shall not amount to cancellation or withdrawal of original offer. Transport Commissioner, Odisha reserves the right to finalize the technical evaluation by seeking clarifications, till the start date/time of the financial bid opening and prior to declaration of technical evaluation.

**2.13 CLARIFICATIONS TO BIDDER’S PRE-BID QUERIES**

- (a) Pre-bid meeting on scheduled date and time will be held with the prospective Bidders for any clarifications regarding this RFB.
- (b) The Bidders may submit their Pre-bid queries, if any, only by email to: **addl.comm.tech@gmail.com before the date and time prescribed in this RFB.**
- (c) The queries shall be sent in the following format **in excel file: Queries in other formats except excel file will not be accepted or entertained.**

**Table-4**

Company Name : M/S				
SL. No.	RFB Page No	Relevant Section / Form/Annexure of RFB	Relevant Content from RFB	Bidder’s Query/Comment

- (d) Transport Commissioner, Odisha reserves the right not to respond to questions raised or provide clarifications sought, in their sole discretion, if it is considered that it would be inappropriate to do so. Nothing in this section shall be taken or read as compelling or requiring Transport Commissioner, Odisha to respond to any question or to provide any clarification.

**2.14 BID EVALUATION PROCESS**

- (a) Opening of Bids
  - The bids that are submitted successfully shall be opened as per date and time given in Bid Data Sheet, as per the

procedure only in the presence of bidders or their respective duly authorized representatives.

- Total transparency will be observed and ensured while opening the Proposals/Bids.
- Transport Commissioner, Odisha reserves the right to postpone or cancel the Bid opening schedules.
- Bid opening will be conducted in two stages i.e: Technical Evaluation and Financial Evaluation
- In the first stage, Responsive Proposals (the proposal accompanied with EMD, Tender Fee, Technical Bid envelope, Financial Bid envelope will be considered as responsive proposal) would be opened. Further Evaluation of Technical Proposals of Bidders will be opened and evaluated.
- In the second stage, Commercial Proposal of those Bidders whose Technical Proposals will be qualified, would be opened.
- In the event of the specified date of Bid opening being declared as Government holiday, the bids shall be opened at the same time and location on the next working day. In addition to that, if the representative(s) of any Bidder remain(s) absent, Transport Commissioner, Odisha will continue the process and open the bids of the all the other Bidders, whose representatives are present.
  - (b) The Bid shall be opened by the Bid Evaluation Committee constituted by the Transport Commissioner, Odisha.
  - (c) Any bid submitted without EMD and Bid processing fee will be disqualified.

## 2.15 TECHNICAL BID EVALUATION

- (a) All valid bids shall be evaluated and the technical qualification of a bid shall be determined, as specified in “Section 9 - Evaluation Parameters”.
- (b) Financial bids of technically qualified Bidders shall be opened only.

## 2.16 FINANCIAL BIDS OPENING

The Financial Bids of Bidders, who qualify in the evaluation of Technical Bids, shall be opened on the appointed date and time in the presence of the qualified Bidders or their authorized representatives (with duly signed authority letter) who choose to be present at the time of opening of bid.

## 2.17 FINANCIAL BID EVALUATION

All valid Financial Bids shall be evaluated as per “Section 9 - Evaluation Parameters”.

## 2.18 DETERMINATION OF THE SUCCESSFUL BIDDER

The successful bid shall be determined as per “Section 9 - Evaluation Parameters”.

## 2.19 RIGHT of TRANSPORT COMMISSIONER, ODISHA TO ACCEPT OR REJECT ANY OR ALL BIDS

Transport Commissioner, Odisha reserves the right to accept or reject any bid, and to annul the tender process and reject all Bids, at any time prior to award of Contract without assigning any reasons for such acceptance / rejection, 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 actions of Transport Commissioner, Odisha. The Bidders shall not have any cause of action or claim against Transport Commissioner, Odisha for rejection of their bids.

## 2.20 PROCESS TO BE CONFIDENTIAL

- (a) Except the public opening of Bids, 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.
- (b) Any effort by a Bidder to influence Transport Commissioner, Odisha 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 the rejection of the Bid.

## 2.21 ACKNOWLEDGEMENT BY BIDDERS

**It shall be deemed that by submitting the Bid, the Bidder has:-**

- (a) made a complete and careful examination of the RFB;
- (b) received all relevant information requested from the Transport Commissioner, Odisha;
- (c) accepted the risk of inadequacy, error or mistake in the information provided in the RFB or furnished by or on behalf of the Transport Commissioner, Odisha relating to any of the matters referred IN THIS RFB;
- (d) satisfied itself about all matters, things and information including matters above hereinabove



necessary and required for submitting a Bid, execution of the Project in accordance with the Bid documents and performance of all of its obligations there under;

- (e) acknowledged and agreed that inadequacy, lack of completeness or incorrectness of information provided in the Bid documents or ignorance of any of the matters referred to RFB shall not be a basis for any claim for compensation, damages, extension of time for performance of its obligations, loss of profits etc. from the Transport Commissioner, Odisha, or a ground for termination of the Contract Agreement by the Bidder;
- (f) agreed to be bound by the undertakings provided by it under and in terms hereof.
- (g) stamp & sign all the pages of the bid document as acceptance.

The Transport Commissioner, Odisha shall not be liable for any omission, mistake or error in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to the RFB or the Bidding Process, including any error or mistake therein or in any information or data given by the Transport Commissioner, Odisha.

## 2.22 EXCLUSION OF BIDS / DISQUALIFICATION

- (i) A Transport Commissioner, Odisha shall exclude / disqualify a Bid, if: -
  - (a) the information submitted, concerning the qualifications of the Bidder, is false or constituted a misrepresentation; or
  - (b) the information submitted, concerning the qualifications of the Bidder, is materially inaccurate or incomplete; and
  - (c) the Bidder is not qualified as per qualification/ eligibility criteria mentioned in the Bid document;
  - (d) the Bid materially departs from the requirements specified in the Bid document or it contains false information;
  - (e) a Bidder, in the opinion of the Transport Commissioner, Odisha, has a conflict of interest materially affecting fair competition.
- (ii) A Bid shall be excluded/ disqualified as soon as the cause for its exclusion/ disqualification is discovered.

## 2.23 CANCELLATION OF PROCUREMENT PROCESS

- (a) The Transport Commissioner, Odisha may, for reasons to be recorded in writing, cancel the process of procurement initiated by it at any time prior to the acceptance of the Successful Bid; or after the Successful Bid is accepted in accordance with the provisions of this RFB.
- (b) The Transport Commissioner, Odisha shall not open any Bids or proposals after taking a decision to cancel the procurement and shall return such unopened Bids or proposals.
- (c) The decision of the Transport Commissioner, Odisha to cancel the procurement shall be immediately communicated to all Bidders that participated in the procurement process.
- (d) If the Bidder, whose Bid has been accepted as Successful, fails to sign any written contract Agreement as required, or fails to provide any required security for the performance of the contract, the Transport Commissioner, Odisha may cancel the procurement process.
- (e) If any procurement process has been cancelled, it shall not be reopened but it shall not prevent the Transport Commissioner, Odisha from initiating a new procurement process for the same subject matter of procurement, if required.

## 2.24 CODE OF INTEGRITY FOR BIDDERS

- (a) No person participating in a procurement process shall act in contravention of the code of integrity prescribed by the Government of Odisha.
- (b) The code of integrity includes provisions for: -
  - (i) prohibiting other Bidders to apply for submitting Bid;
  - (ii) any offer, solicitation or acceptance of any bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process;
  - (iii) any omission, including a misrepresentation that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
  - (iv) any collusion, bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;



- (v) improper use of information shared between the Transport Commissioner, Odisha and the Bidders with an intent to gain unfair advantage in the procurement process or for personal gain;
  - (vi) any financial or business transactions between the Bidder and any officer or employee of the Transport Commissioner, Odisha;
  - (vii) any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
  - (viii) any obstruction of any investigation or audit of a procurement process;
- (c) Without prejudice to the provisions below, in case of any breach of the code of integrity by a Bidder, the Transport Commissioner, Odisha may take appropriate measures including: -
- (i) exclusion of the Bidder from the procurement process;
  - (ii) forfeiture of EMD;
  - (iii) forfeiture of any Performance Bank Guarantee relating to the procurement;
  - (iv) recovery of payments made by the Transport Commissioner, Odisha along with interest thereon at bank rate;
  - (v) cancellation of the relevant contract and recovery of compensation for loss incurred by the Transport Commissioner, Odisha;
  - (vi) debarment of the Bidder from participation in future procurements of the Transport Commissioner, Odisha for a period of three years.

## 2.25 DISCLOSURE OF CONFLICT OF INTEREST

The Bidder shall not have a conflict of interest in the procurement in question. A declaration in this regard is to be made by Bidder. All Bidders found to have a conflict of interest shall be disqualified.

## 2.26 PUNISHMENT FOR NON-COMPLIANCE OF PROCUREMENT PROCESS

A Bidder, in addition to the recourse available in this RFB for forfeiting EMD or PBG or Both, shall liable to be punished as per other applicable laws, if it:-

- (a) Withdraws from the procurement process after opening of financial Bids;
- (b) Withdraws from the procurement process after being declared the Successful Bidder;
- (c) Fails to enter into procurement contract after being declared the Successful Bidder;
- (d) Fails to provide Performance Bank Guarantee or any other document required in terms of the Bid documents after being declared the Successful Bidder.

## 2.27 REPRESENTATIONS AND WARRANTIES OF THE BIDDER

The Bidder represents and warrants to Transport Commissioner, Odisha that:

- (a) It is duly organized, validly existing and in good standing under the laws of India or in the country of its incorporation;
- (b) It has full power and authority to execute, deliver and perform its obligations under the Contract and to carry out the transactions contemplated hereby;
- (c) It has taken all necessary corporate and other action under Applicable Laws and its constitutional documents to authorize the Execution, delivery and performance of the Contract;
- (d) It has the financial standing and capacity to Execute the Works;
- (e) The Contract constitutes its legal, valid and binding obligation enforceable against it in accordance with the terms hereof;
- (f) It is subject to the Applicable Laws with respect to the Contract and it hereby expressly and irrevocably waives any immunity in any jurisdiction in respect thereof;
- (g) It has complied with all Applicable Laws and has not been subject to any fines, penalties, injunctive relief or any other civil or criminal liabilities which in the aggregate have or may have Material Adverse Effect upon the Works;
- (h) No representation or warranty by the Bidder contained herein or in any other document furnished by it to Transport Commissioner, Odisha in relation to Applicable Clearances contains or will contain any untrue statement of material fact or omits or will omit to state a material fact necessary to make such representation or warranty not misleading;
- (i) No bribe or illegal gratification has been paid or will be paid in cash or kind by or on behalf of the Bidder to any person to procure the Contract or any other benefit under the Contract to procure other Contracts in relation to which the Bidder may be a party in relation to the Project.

- (j) Without prejudice to any express provision contained in the Contract, the Bidder acknowledges that prior to the execution of the Contract, it has, after a complete and careful examination, made an independent evaluation of the Project Site, the Technical Conditions of Contract and any information provided by or on behalf of Transport Commissioner, Odisha and has made an inspection of the Project Site and has determined to its satisfaction the nature and extent of risks and hazards as are likely to arise or may be faced by the Bidder in the course of performance of its obligations hereunder.

## 2.28 GENERAL CONDITIONS

### (a) CONFIDENTIALITY

- i. The Bidder shall disclose to Transport Commissioner, Odisha any Confidential Information and other information as Transport Commissioner, Odisha may reasonably require for verifying the Bidder's compliance with the Contract. Further, the Bidder shall not, without the previous written consent of Transport Commissioner, Odisha, use, copy, publish, disclose or otherwise deal with, nor cause nor permit its Sub Bidders or any persons for whom it is contractually or otherwise responsible for, to use, copy, publish, disclose or otherwise deal with any Confidential Information, otherwise than for the performance of its obligations under the Contract.
- ii. The Bidder shall not without the prior written permission of the Transport Commissioner, Odisha Representative:
  - (i) Disclose the Contract or any provision thereof or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of Transport Commissioner, Odisha in connection therewith, to any person other than a person employed by the Bidder in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purpose of such performance;
  - (ii) Make use of any document or Confidential Information enumerated in the Contract, except for the purpose of the Contract; and
  - (iii) Communicate or use in advertising, publicity, sales, releases or in any other medium, photographs or other reproduction of the Works under this Contract or description of the Project Site, dimensions, quantity, quality or other information, concerning the Works.
- iii. Any document, other than the Contract and enumerated in the Contract shall remain the property of Transport Commissioner, Odisha and shall be returned (in all copies) to Transport Commissioner, Odisha on completion of the Bidder's performance under the Contract, if so required by the Transport Commissioner, Odisha.

### (b) BIDDER'S GENERAL RESPONSIBILITIES

- i. Subject to and in accordance with the terms and conditions of the Contract, the Bidder shall to the satisfaction of Transport Commissioner, Odisha, execute the Works and carry out its other obligations under and/or in relation to the Contract and provide all personnel and labour, including the supervision thereof, materials, offices, workshops, tools, machinery, equipment and all other resources and things, whether of a temporary or permanent nature, required herein, and shall assume full responsibility for the same so as to meet the Time for Completion.
- ii. The Bidder shall at its own expense:
  1. Take full responsibility for the adequacy, stability and safety of the Works, labour, equipment and of all on-site and off-site operations and methods of manufacture, construction, and installation, commissioning, testing and reliability and acceptance procedures. (It is related to the equipment installation, commissioning & testing of equipment);
  2. Do everything necessary (including the payment of all relevant fees) to acquire and maintain all Applicable Clearances. (For Erection & operation if any clearances required, the successful Bidder should obtain them from concerned authorities); Transport Commissioner, Odisha will provide all the applicable clearances for erection of the equipment. The selected Bidder has to obtain the applicable clearances for operating the ATS.
  3. At all times ensure that it has sufficient, suitable and qualified personnel at the Project Site and in sufficient number to undertake the responsibilities imposed upon the Bidder under the Contract and to provide full attention to the Execution of the Works.

**(c) INDEMNITY**

- i. The Bidder shall at all times save harmless and indemnify Transport Commissioner, Odisha from and against all claims, liabilities, expenses, costs, damages and losses suffered or incurred by Transport Commissioner, Odisha including consequential losses and damages which may arise out of or in connection with any defect, damage during transportation, inadequacy or unsuitability of the design, manufacture, workmanship or materials or failure to meet in any or all respects the requirements of the Contract or the remedying thereof either by the Bidder, or Transport Commissioner, Odisha.
- ii. Transport Commissioner, Odisha rights under this Section are without prejudice to any other right which it may have whether at law or otherwise.

**(d) SPARE PARTS**

The Bidder shall be responsible, at its own cost, for the provision of the Spare Parts. Such cost shall include all costs such as customs duty for imported Spare Parts, left behind items, replacement or breakdown spare parts as well as costs for storage and insurance costs in relation to the maintenance of the Spare Parts in storage.

**(e) INSURANCES****i. Project Facility Insurances**

The Bidder shall at its cost and expense, purchase and maintain in force with reputable insurers, the Project Facility Insurances.

**ii. Bidder Insurances**

The Bidder shall at its cost and expense, purchase and maintain in force with reputable insurers, the Bidder's Insurance like Accident Insurance of manpower.

**iii. Required Insurances**

The terms of the Required Insurances shall entitle Transport Commissioner, Odisha to maintain the policies in force after termination of the Bidder's employment under the Contract.

**iv. Equipment Insurances**

Pre-Dispatch Equipment Insurance / Transit Insurance till commissioning and acceptance shall be borne by the bidder.

**2.29 FORCE MAJEURE****(a) Force Majeure - Obligations of the Parties**

"Force Majeure" shall mean any event beyond the control of Transport Commissioner, Odisha or of the Bidder, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected, and which could not have been prevented by exercise of reasonable skill and care and Good industry practices and shall include, without limitation, the following:

- (i) War, hostilities, invasion, act of foreign enemy and civil war;
- (ii) Rebellion, revolution, insurrection, mutiny, conspiracy, riot, civil commotion and terrorist acts;
- (iii) Strike, sabotage, unlawful lockout, epidemics, quarantine and plague;
- (iv) Earthquake, fire, flood or cyclone, or other natural disaster.

As soon as reasonably practicable but no more than 48 (forty-eight) hours following the date of commencement of any event of Force Majeure, an Affected Party shall notify the other Party of the event of Force Majeure setting out the date, nature, extent, proof and the damage caused by the Force Majeure event.

**(b) MEETINGS WITH TRANSPORT COMMISSIONER, ODISHA**

As soon as reasonably practicable and in any case within [5 (five)] days of notification by the Affected Party in accordance with the preceding Clause, the Parties shall along with Transport Commissioner, Odisha and others, meet and hold discussions and where necessary conduct physical inspection and/or survey of the Works to assess the impact and formulate mitigation measures for the Force Majeure Event.

**(c) PERFORMANCE OBLIGATIONS**

- (i) If the Affected Party is rendered wholly or partially unable to perform any of its obligations under the Contract because of an event of Force Majeure, it shall be excused





from performance of such obligations to the extent it is unable to perform provided that in case the Affected Party is the Bidder, the Bidder shall be entitled to an extension of time.

- (ii) When the Affected Party is able to resume performance of its obligations under the Contract, it shall give to the other Party written notice to that effect forthwith and shall promptly resume performance of its obligations hereunder.
- (iii) The Affected Party shall continue to perform such of its obligations which are not affected by the event of Force Majeure and which are capable of being performed in accordance with the Contract.

**(d) LIABILITY FOR OTHER LOSSES, DAMAGES ETC.**

**Save and except as expressly provided** in this RFB, neither Party hereto shall be liable in any manner whatsoever to the other Party in respect of any loss, damage, cost, expense, claims, demands and proceedings relating to or arising out of occurrence or existence of any event of Force Majeure.

**(e) EXCEPTIONS TO FORCE MAJEURE**

None of the following events shall be construed to relieve any Party of its obligations hereunder by reason of Force Majeure:

- (i) any changes in market conditions including without limitation changes that affect the supply prices of the Goods;
- (ii) Commercial impracticability.

**(f) DISPUTE RESOLUTION PROCEDURE**

**(i) Amicable Resolution and Arbitration**

- (1) The Department and the Successful Bidder shall make every effort to resolve amicably by direct negotiations any disagreement or dispute, arising between them under Contract.
- (2) If after 30 days from the commencement of such direct negotiations, the dispute is not resolved, it shall be finally settled by binding arbitration under "The Arbitration and Conciliation Act, 1996".
- (3) The Arbitrator shall be done by tri-party arbitration process i.e. each party appointing one arbitrator and both arbitrators appointing one neutral arbitrator.
- (4) "The Arbitration and Conciliation Act 1996", the rules made thereunder and any statutory modification or re-enactments thereof, shall apply to the arbitration proceedings.

**(ii) Enforcement of Award**

The Parties agree that the decision or award resulting from arbitration shall be final and binding upon the Parties and shall be enforceable in accordance with the provisions of the Arbitration and Conciliation Act

**(iii) Performance during Arbitration**

Pending the submission of and/or decision on a Dispute and until the arbitral award is published, the Parties shall continue to perform their respective obligations under the Contract without prejudice to a final adjustment in accordance with such award.

**(iv) Legal Jurisdiction**

Any dispute arising out of the Contract shall be subject to the jurisdiction of Courts of Law located at Cuttack only.

**(g) TERMINATION**

**i. Termination for Default of the Bidder**

- (1) In the event of any of the defaults specified below shall have occurred and the Bidder fails to rectify the default within a Period of 30 (thirty) days from the date of issuance of notice to rectify the defects, the Bidder shall be deemed to be in default of this Agreement unless such Default has occurred as a result of a Force Majeure Event:
  - (i) The Bidder is in Material Breach\* of the Contract;
  - (ii) The Bidder is adjudged bankrupt or insolvent or if a trustee or receiver is appointed for the Bidder or for any of its property that has a material bearing on the Project;
  - (iii) Any petition for winding up of the Bidder is admitted by a court of competent jurisdiction or the Bidder is ordered to be wound up by court except for the purpose of amalgamation or reconstruction provided that, as part of such amalgamation or



reconstruction, the property, assets and undertaking of the Bidder are transferred to the amalgamated or reconstructed entity and that the amalgamated or reconstructed entity has unconditionally assumed the obligations of the Bidder under the Contract and provided that:

- (a) The amalgamated or reconstructed entity does have the technical capability and operating experience necessary for the performance of its obligations under the Contract;
- (b) The amalgamated or reconstructed entity does have the financial standing to perform its obligations under the Contract; and
- (c) The Contract remains in full force and effect.

\***“Material Breach”** shall mean occurrence of any of the following events:

- (a) The Bidder fails to commence the services as per the terms of the Agreement after a period of 270 days from the date of issuance of Letter of Award (LoA); or
  - (b) The Bidder, without the prior written approval from the Transport Commissioner, Odisha fails to render the services as per the Agreement for a continuous period of 180 days at the Centre during the Contract Period; or
  - (c) The Bidder has delayed payment of any undisputed amount for a period of 45 (forty-five) days from the date the said amount is due; or
  - (d) If the Bidder fails to deliver any or all quantities of the service within the time period specified in the contract, or any extension thereof granted by Transport Commissioner, Odisha; or
  - (e) If the Bidder is found to be engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract; or
  - (f) If the Bidder commits breach of any conditions of the Contract.
- (2) In the event of the Bidder being in default under any of the provisions hereof, Transport Commissioner, Odisha shall be entitled to terminate the Contract forthwith by issuing a Termination Notice to the Bidder and upon issue of such Termination Notice by Transport Commissioner, Odisha, the Contract shall stand terminated forthwith, provided that before issuing the Termination Notice, the Transport Commissioner, Odisha shall in writing issue the Termination Notice and grant 30 (thirty) days’ time to the Bidder to make its representation, if any, against such Notice and shall after the expiry of said 30 (thirty) days period, whether or not it is in receipt of such representation, in its sole discretion issue the Termination Notice.
- (3) Upon Termination:
- Upon Termination for any reason whatsoever, the Bidder shall, to the extent instructed by the Transport Commissioner, Odisha:
- (a) cease all further work as instructed by the Transport Commissioner, Odisha in the Termination Notice and the Bidder shall carry out works for the sole purpose of securing, preserving and protecting that part of the Works already Executed and any work required to leave the Project Site and the Works in a clean and safe condition;
  - (b) repatriate the Bidder's and Sub-Contractor's personnel from any part of the Project Site and the Works;
  - (c) promptly and in an orderly manner deliver to Transport Commissioner, Odisha, subject to the Intellectual Property Rights of the Bidder, all documents relating to the Works which are for the time being under the control of the Bidder.
- (4) Upon termination the Equipment installed at the ATS shall be handed over to the Transport Commissioner, Odisha by the Successful Bidder.
- (5) If Transport Commissioner, Odisha terminates the Contract on account of default of Bidder, amount of Performance Bank Guarantee may be forfeited.

**ii. Termination for Convenience of Government of Odisha**

- (a) The Transport Commissioner, Odisha, by a written notice of at least 30 days sent to the Successful Bidder, may terminate the Contract at any time for its convenience. The Notice of termination shall specify that termination is for the convenience of Govt. of Odisha and the date upon which such termination becomes effective.



- (b) Upon Termination on account of Convenience of Transport Commissioner, Odisha, the Bidder will be entitled to the compensation to be determined by a Committee headed by Principal Secretary, Transport Commissioner, Odisha comprising of officers from the Department of Finance, Law and PWD. The committee will decide the compensation amount after due consideration of the material facts of the loss to the Bidder for the remaining duration of the Contract.

#### (h) PATENT / INTELLECTUAL PROPERTY RIGHTS (IPR) / COPY RIGHTS

If the bidder intends to use any third-party tools or methodology or any proprietary tools, during the Project, for the project, the bidder is required to confirm that there are no infringements of any Patent or intellectual and industrial property rights or copyrights as per the applicable laws of relevant jurisdictions and **Ministry of Electronics and Information Technology (MeitY)**. During the Operation phase, the responsibility to maintain the IPR of the Application(s) provided by the selected bidder would lie with the selected bidder and the bidder will transfer the IPR to Transport Commissioner, Odisha during the Transfer stage or during Exit Management process or after the contract with Transport Commissioner, Odisha ends or after the complete project duration or intermediary due to unavoidable circumstance like poor delivery, no progress, showstopper, etc. If there is transfer of IPR for the application from Transport Commissioner, Odisha to any other firm/corporate/PSUs/Govt. Departments, the same can be transferred after mutual discussion.

Following conditions will also apply:

- **Ownership and Title:** Title to the minor enhancements, point updates and documentation, including ownership rights to patents, copyrights, trademarks, and trade secrets therein shall be the exclusive property of Transport Commissioner, Odisha.
- **Confidentiality:** The Bidder hereby acknowledges that the minor enhancements, point updates, and documentation may contain information that may be trade secret and proprietary to the Transport Commissioner, Odisha. The Bidder must agree for not to disclose such information except to persons and organizations expressly authorized by the Authority to receive such information. The Bidder shall not remove or alter any copyright notices or proprietary legends affixed by the Authority to such minor enhancements, point updates or documentation.
- **Copies:** The Bidder shall make available to the Authority an additional copy of the minor enhancements, point updates and documentation for back-up use on the computer.
- **Limitation of Damages:** The Bidder shall not be liable for any failure to perform its services because of circumstances beyond the control of Bidder, where such circumstances shall include (without limitation) wars or revolutions, fires, natural disasters, terrorism, declarations of government election, epidemics, quarantine restrictions and freight embargoes, and misuse of the Software by the Transport Commissioner, Odisha.

The Bidder along with the OEM will be responsible to provide full documentation and sample codes used in the project by way of open APIs, SDKs and other tools, documentation etc., so that the customer/nominated agency on their behalf can carry out any customization, software development, changes in UI/UX etc. as may be needed as per their needs. In addition, the bidder along with the OEM must provide an undertaking to enter into a software escrow agreement without any pre- conditions which is to cover server & client-side codes as below –

- a. **Server software:** Source code of the dataflow of the software architecture including interconnects of all the necessary modules and model files for customization.
- b. **Authority software:** Source code of the Authority software to interface for GUI customization.

Similarly, The Source code of all the software code, data, algorithms, documentation, manuals, any other documents generated as a part of implementation of this project shall solely vest with the Transport Commissioner, Odisha. Authority shall have rights to use the Source Code of ATS project. This would be restricted to the internal use by client only. Entire source code would be handed over to Authority after completion of entire project and before final payments has been made to the bidder. The bidder must take the approval of this from Authority if it wants to use the source code that has been

developed specifically for this Authority even after the expiration of contract agreement or period.

All IPR including the source code and materials developed or otherwise obtained independently of the efforts of a Party under the Agreement including any enhancement or modification thereto shall remain the sole property of that Party. During the performance of the services for the agreement, each party grants to the other party (and their sub-contractors as necessary) a non-exclusive license to use, reproduce and modify any of its pre-existing work provided to the other party solely for the performance of such services for duration of the Term of the Agreement. Except as may be otherwise explicitly agreed to in a statement of services, upon payment in full, the Implementation Agency should grant Authority a non- exclusive, perpetual, fully paid-up license to use the pre-existing work in the form delivered to Authority as part of the service or deliverables only for its internal business operations. Under such license, neither of parties will have any right to sell the pre-existing work of the other party to a Third Party. Authority's license to pre-existing work is conditioned upon its compliance with the terms of the Agreement and the perpetual license applies solely to the pre-existing work that bidder leaves with Authority at the conclusion of performance of the services.

**(i) FORFEITURE OF PERFORMANCE BANK GUARANTEE**

Transport Commissioner, Odisha may forfeit Performance BankGuarantee amount in full or part in the following cases:-

- i. when any of the terms and conditions of this RFB/Contract is breached by theBidder;
- ii. when the Bidder fails to implement the project or execute the scope of work as defined in this RFB, satisfactorily.



## **SECTION – 3: EXECUTION OF AGREEMENT**

### **PERFORMANCE BANK GUARANTEE (PBG)**

- 3.1** Performance Bank Guarantee shall be submitted by the Successful Bidder within 15 days from the date of issuance of LoA in the format prescribed in **Form G** of this RFB.
- 3.2** Performance Bank Guarantee shall be 10% of project cost, as quoted by the Successful Bidder in its Financial Bid. It shall be in shape of Bank Guarantee from any Nationalized Bank of India in favor of Transport Commissioner, Odisha. PBG shall be valid up to the period of one year after the date of expiry of the contract period.
- 3.3** The Performance Bank Guarantee of the Successful Bidder will be returned after one year from date of expiry of the contract period upon satisfactory performance of operation of ATS, or after the satisfactory third party Audit by competent Independent Agency, whichever is later.
- 3.4** No interest shall be payable on the PBG.
- 3.5** The Performance Bank Guarantee of the Successful Bidder will be forfeited if the Successful Bidder fails to comply with the terms and conditions of this RFB and consequent contract.
- 3.6** A written notice of at least 15 days will be given to the Successful Bidder as opportunity of hearing before PBG is forfeited.

### **ACCEPTANCE OF THE SUCCESSFUL BID AND AWARD OF CONTRACT**

- 3.7** The selection of successful bidder shall be carried out as per provision given in Section -9 Evaluation parameter in this RFB.
- 3.8** A Bid shall be treated as Successful only after the approval of the Competent Authority.
- 3.9** As soon as the Bid is approved by the Competent Authority, its written intimation duly signed by Procuring Authority with seal in the form of LOA shall be sent to the concerned Successful Bidder by email and shall be asked to execute an Agreement in the format given in this RFB on a non-judicial stamp of requisite value, and submit the amount of Performance Bank Guarantee within fifteen days from the date on which the Letter of Award is mailed to the Successful Bidder.

### **EXECUTION OF AGREEMENT**

- 3.10** The Agreement shall be signed on the format (**Form N**) provided in this RFB.
- 3.11** The Successful Bidder will be required to execute the Agreement on a non-judicial stamp of requisite value at its cost and to be purchased from anywhere in Odisha only.
- 3.12** The Successful Bidder shall sign the Agreement within 15 days from the date on which the Letter of Award is mailed to the Successful Bidder. The contract shall come into force from signing of the Agreement or from such subsequent date as may be decided by the Transport Commissioner, Odisha.
- 3.13** If the Successful Bidder fails to sign the Agreement, or fails to furnish the required Performance Bank Guarantee within specified period, the Transport Commissioner, Odisha shall forfeit the EMD or PBG as per the provisions of this RFB. In addition to this, other lawful actions may also be initiated by the Transport Commissioner, Odisha.

### **CONTRACT PERIOD**

- 3.14** The contract period shall start from the date of the signing of the agreement with DoT and will be valid up to 7 (Seven) years from the date of commencement of the operation of the ATS.
- 3.15** The terms of payment shall be as described in “**Section 11 – Terms of Payment**”

## SECTION – 4: SCOPE OF WORK & SUPPLY OF EQUIPMENT

### 4.1 THE SUCCESSFUL BIDDER SHALL PERFORM, EXECUTE AND IMPLEMENT THE FOLLOWING WORKS:

- (a) The given tender is on the design and build basis, and the successful bidder has to provide the detail design and drawings based on the layout given in the link. The above work comprises of prefabricated shed construction along with the required structures for the machine installations.
- (b) Below are the few points mentioned as the scope of work for the successful bidder; however this should not be considered exhaustive but tentative.
- (c) Structural Design of Two-wheeler test lane based on the layout provided in below link, construction Test Lane shed comprising of electrical, plumbing, equipment foundation, trimix flooring, epoxy coating of 3mm on the flooring, conduiting for cables including 3 phase & Single phase cables, Compressor piping, Drainage, Water Supply, Sewage, Internal and External Electrification.
- (d) Two-Wheeler Test Shed layout:  
[https://drive.google.com/drive/folders/13mOAbfXc61\\_pxulr2wcDZuhPC-o9De7s?usp=sharing](https://drive.google.com/drive/folders/13mOAbfXc61_pxulr2wcDZuhPC-o9De7s?usp=sharing)
- (e) The existing land is developed land; the successful bidder can undertake the soil inspection and related survey if required by them at their own cost.
- (f) Bidder shall design the structure and the same structural design shall be vetted by any government recognized institution such as IIT etc.
- (g) PEB Design shall be as per ASI.
- (h) Bidder shall provide Structural design calculations including STAAD. Pro 3D analysis along with Base Plate Sizes and Anchor Bolt Plan, GA drawings along with BOM, 3.Erection Methodology to the Transport Commissioner, Odisha.
- (i) Bidder shall erect the structural items such as columns, rafters, beams, Purlins, tie rods, sheets, wall cladding/roofing insulation, hardware etc. after vetting by ICAT & followed by approval from the Transport Commissioner, Odisha for drawings / BOM.
- (j) Raw materials for steel sections, sheets etc. shall be of reputed make such as Jindal, RINL, SAIL, Tata steel etc.
- (k) Turbo ventilators on Roof to be designed for four air changes.
- (l) 2mm thick Polycarbonate Day lighting panels sheets to be provided as shown on drawing. Safety net to be provided below day lighting panels.
- (m) Roof panel shall be screw down system, 0.50 mm thick Pre-Coated Bare Galvalume Roof and roof insulation shall be of fiber glass wool insulation WMP 50 of 24 kg/cu. m. density and 50 mm thick with white backing having embedded mesh with ultimate White Lamination.
- (n) Bidder shall also supply the J bolts/nuts/washers, alignment plates and other related hardware that are used for positioning and anchoring of the PEB structures to the RCC foundation.
- (o) Bidder shall also carry out necessary finishing activities such as painting touch up etc.
- (p) Upkeep of existing building shall be responsibility of the successful bidder.
- (q) Up-gradation of existing vehicle testing equipment as per Section 4A of this RFB.
- (r) Purchase, Supply and installation of all necessary vehicle testing and related equipment to successfully operate the Center.
- (s) Upgradation of existing software & hardware as per the standard prescribed under chapter XI of CMVR and in case of any changes of Law the same shall be upgraded during the contract period.
- (t) All the equipment must meet the Environmental, Health and Safety aspects.
- (u) Undertaking from the Equipment Manufacturer of testing lane equipment installed as new equipment or upgraded equipment regarding uninterrupted Warranty for minimum 2 Years and CMC services of its Equipment installed at the ATS for the period of 5 (five) years from the date of expiry of the warranty.
- (v) Undertaking from the Equipment Manufacturer of testing lane equipment already installed and

- don't required for any upgradation regarding uninterrupted CMC services for the period of 7 (seven) years from the date of signing contract agreement.
- (w) Uninterrupted Operation and comprehensive maintenance of hardware, software, and all other existing utilities installed at the center, for a period of 7 years from the date of signing of the contract agreement.
  - (x) Purchase, Supply, installation, operation and maintenance of Desktop Computers, Servers, Printers and other necessary IT equipment and related consumables.
  - (y) CMC for 7 years for installed testing equipment at site.
  - (z) Warranty of 2 years and CMC of 5 years of the new installed equipment.
  - (aa) Deployment of technically qualified and good character manpower for successful and uninterrupted operation of the test equipment for conducting functional test at the Center.
  - (bb) Conducting Motor Vehicle functional inspection tests only as per the provisions of the Central Motor Vehicles Rules (CMVR) 1989 and Odisha Motor Vehicles Rules 1993, as amended time to time.
  - (cc) All Visual inspection tests i.e., Pre automated test inspection & during Automated test shall be done by the officials empowered & appointed by Transport Commissioner, Odisha such as MVI/AMVI/Jr MVI.
  - (dd) Perform additional vehicle inspection tests as directed by the Transport Commissioner, Odisha from time to time.
  - (ee) Must possess required security certifications for integration with VAHAN database and to ensure that the security certificate is valid during the contract period for uninterrupted integration with VAHAN database.
  - (ff) To host the database at state data center of the state and to ensure that the functional test results of each functional test as prescribed under CMVR are stored in the state data center on real time basis.
  - (gg) All connections between the supplied equipment cables & control panel as well as internal wiring, cabling of equipment shed area and cables from main panel to equipment shed are the responsibility of the Successful Bidder.
  - (hh) To maintain proper ventilation inside the test center, suitable exhaust gas handling system shall be supplied for two wheeler test lane, installed and commissioned by the Successful Bidder.
  - (ii) Audit and assessment of testing station shall be conducted every six months, and such other time as directed by the Transport Commissioner, Odisha.
  - (jj) Capturing GPS coordinated date and time and picture of registration plate of the vehicle through GPS enabled camera having built-in Wi-Fi and GPS support.
  - (kk) Phase-wise training of officials of Transport Department, Odisha.
  - (ll) Housekeeping and security of the Center with necessary manpower and other requirements.
  - (mm) Lane management software and System upgradation with the latest software version.
  - (nn) All necessary hardware/software for PASS Sticker to the vehicles passing the fitness test.
  - (oo) Calibration of installed equipment as per defined calibration frequencies.
  - (pp) Purchase and maintain in force with reputable insurers the Project Facility Insurances and other required insurances.
  - (qq) Bidder shall comply with all the applicable requirements of G.S.R 652(e) Dated 23<sup>rd</sup> September 2021, G.S.R 797 (e) Dated 31<sup>st</sup> October 2022 issued by MoRTH, GOI as well as any future amendments in CMVR, 1989.
  - (rr) Any other requirements as desired by the Transport Commissioner, Odisha.

#### 4.2 SUCCESSFUL BIDDER'S RESPONSIBILITIES

- (a) The Successful Bidder shall be responsible for performing, execute and implement all the works as specified in this RFB. This will include inter alia design and construction of civil foundation work of testing lane equipment, pre-dispatch functional testing, shipment, installation and commissioning of the testing equipment, and integration of systems, system checking for all the equipment listed in this RFB, operation and maintenance of the ATS throughout the contract period.

- (b) The respective Successful Bidder shall be responsible for the warranty of all the supplied equipment as well as the Comprehensive Maintenance Contract throughout the contract period, and shall ensure the smooth and uninterrupted operation of the ATS.
- (c) Any statutory dues like utility bill payments (electricity, network, etc.) should be paid in time and receipt of the payment should be submitted along with the invoice.
- (d) The successful bidder will be responsible for all of its manpower, tools and tackles deployed at the center. The bidder should ensure that the resources deployed by him shall not involved in any misconduct, mishaps or incident and should not indulge in any manipulations, malpractices and any criminal activities.

#### 4.3 EQUIPMENT TO BE SUPPLIED

- (a) The equipment supplied shall conform to CMVR norms and shall be upgraded in case of amendments made in the CMVR norms throughout contract period by the Successful Bidder at its own cost.
- (b) If any software modification is required, it shall be updated, and the cost incurred on that shall be borne by the Successful Bidder.
- (c) Procurement & Installation of any additional equipment after the date of signing the agreement arising due to any amendment in CMVR 1989, shall be done by the bidder subject to condition that Transport Commissioner, Odisha shall issue necessary instruction for such procurement and the cost of such procurement including installation (if any) shall be borne by Transport commissioner, Odisha.
- (d) The Successful Bidder shall have to integrate the additional equipment at its own cost with no additional cost for integration & operations.
- (e) iCAT shall certify that all materials supplied by the successful bidder are up to standard by conducting pre-dispatch and post installation inspection.
- (f) In case of any additional equipment are required to be procured and installed due to the change in the law then iCAT shall also certify the quality and standard of the additional equipment by conducting pre-dispatch & post installation inspection.
- (g) All payments related to the procurement & installation of new equipment/additional equipment (if any) shall be processed only after receipt of the above inspection report from iCAT.

#### 4.4 LIST OF EQUIPMENT

- (a) Technical specifications of the Equipment are given in “Section 7” of this RFB.
- (b) List and quantity of equipment are given in the following table:

**Table-5**

S. No.	Scope of Supply	QUANTITY
<b>1</b>	<b>Common Equipment</b>	
i.	Bogie Roller Set for 1 lane (Embedded for heavy commercial vehicles with multi axles having more than one live axle)	1
ii.	Free wheel Trolley for 1 lanes (Portable for All wheel Drive Light Commercial vehicles)	1
iii.	Toeing Trolley for three-wheeler	1
iv.	Calibration Equipment set for two-wheeler test lane	1
v.	Automatic Tyre pressure filler and indicator for Two wheeler test lane	1
vi.	Number Plate Reader Camera (Digital Camera with on line connectivity to the PC)	1
vii.	Exhaust gas handling system	1



2	<b>IT Platform– Equipment Details</b>	<ul style="list-style-type: none"> <li>☞ <b>Server:</b> 1 nos.</li> <li>☞ <b>Desktops:</b> 2 Nos.</li> <li>☞ <b>Printers:</b> 1 Nos.</li> <li>☞ <b>TV for Two wheeler Test lane:</b> 1 Nos.</li> <li>☞ <b>Smart TV for CCTV Viewing:</b> 1 (one)</li> <li>☞ <b>Audio paging:</b> 1 (one)</li> <li>☞ <b>LAN Network:</b> Necessary LAN network hardware with cables needs to be provided by the successful bidder.</li> <li>☞ <b>Speed dome camera:</b> 1 (one)</li> <li>☞ <b>GPS enabled camera:</b> 5 Nos.</li> <li>☞ <b>CCTV:</b> 6 Nos. (2 Nos. for 2 wheeler test lane and 4 Nos. for existing underbody pit)</li> </ul>
3	<b>Two Wheeler Inspection Lane</b>	
i.	Roller brake tester	1
ii.	Semi- Automatic Head light tester	1
iii.	Exhaust gas analyzer	1
iv.	OBD scan tool	1
v.	Test fingers	1
vi.	Insulation tester	1

#### 4.5 CONNECTIONS, POWER PANELS & EXHAUST GAS HANDLING SYSTEM

- (a) All connections between the supplied equipment cables & control panel are the responsibility of the Successful Bidder. Each equipment shall be supplied with all cables, connectors, etc. required for the equipment operation.
- (b) Cables from main panel to equipment shed area, Internal wiring and cabling of equipment shed area shall be done by the Successful Bidder.
- (c) To maintain proper ventilation inside the test Center, suitable exhaust gas handling system shall be supplied, installed and commissioned by the Successful Bidder at its own cost. Minimum requirements of Exhaust gas handling system are as follows.
  - (i) Two wheeler Lane:  
 Vehicle Exhaust Flow: 550m<sup>3</sup>/hr  
 Vehicle Exhaust Temperature: 80<sup>0</sup>C to 100<sup>0</sup>C
- (d) Exhaust gas handling system should be designed considering above vehicle exhaust flow and temperature. Dilution of the vehicle exhaust to be carried out considering vehicle exhaust temperature. Suitable extraction unit to be provided by the Successful Bidder along with each blower. Suction Velocity of exhaust at the end of extraction unit is to be in the range of 13-15 m/s. Suitable standard flexible hoses with required length need to be provided by the Successful Bidder. While all Exhaust gas handling system in working condition, noise level should be below 80dB inside the test shed.
- (e) Successful bidder shall provide the documentary proof for to the abovementioned requirement in clause (d).

#### 4.6 SOFTWARE

- (a) The Successful bidder shall supply token software, which shall integrate with the existing

vehicle testing software provided by M/s VTEQ.

- (b) Required protocol for integration shall be provided by Transport Commissioner, Odisha.
- (c) Detailed features of Token software to be supplied provided in Section 4b of this RFB.
- (d) For two wheeler test lane testing software shall be provided by the equipment supplier which shall be integrated with the token software.
- (e) The Successful Bidder shall ensure the system up-gradation with the latest software version including AMC free of cost throughout the contract period. The referred system up-gradation shall be applicable in the event of:
  - (i) Critical releases on the software
  - (ii) New Operating System adoption
  - (iii) Accumulation of minor upgrades in the software
  - (iv) Any changes in the test limits or test procedure or reporting requirement
- (f) If Hardware up-gradation is required in order to achieve the software up-gradation, this shall also be done by the Successful Bidder at its own cost. Transport Commissioner, Odisha shall not bear any cost arising from system up-gradation.
- (g) The Successful Bidder is also responsible for completing the tests for commissioning the upgraded software. This software should have provision to match and compile the data of any new software developed by any other agency in other Centers in the country. If any up-gradation of the software system is required for integration with other external software the Successful Bidder shall accordingly do the needful.
- (h) This center may be linked to other centers and centralized server for networking. In this case, data generated through this center needs to be shared on this network. Also, some data can be sent through central server to the center for configuration. The center software should have the facility to share its data and accept external data through networking. The Successful Bidder shall provide all necessary support in this networking activity by sharing necessary details related to data / data structure / web services / APIs etc. Also, Successful Bidder shall upgrade its software at its cost, if required, to support this activity.
- (i) Each test lane should be designed to facilitate 3 to 4 individual test positions to achieve the maximum test throughput. The Successful Bidder may suggest the number of test positions 3 to 4 in each test lane based on the layout to achieve the maximum throughput. In general, throughputs of 10 vehicles per hour for the light commercial vehicle lane and 6 vehicles per hour per lane for the heavy commercial vehicle lane shall be achievable with trained inspectors.
- (j) The Transport Commissioner, Odisha is using VAHAN/ SARATHI software developed by NIC for registration of vehicles and issuance of driving licenses. The Successful Bidder is required to integrate the software to link with VAHAN database/ electronic portal setup by central government for vehicle data. Feasible access will be given to the VAHAN database/ electronic portal setup by central government or by Transport Commissioner, Odisha, Odisha. In case if the link is not available, lane software should operate in manual mode. That means it should be possible to run the lane operating software with manual data entry of vehicle details.
- (k) Lane operating software shall have security locks for operator and vehicles. At each test station, test operation will commence after scanning the Operator ID Card, Vehicle Registration Certificate (RC) & Registration Number Plate. The test report should be generated automatically after completion of all tests.
- (l) Software – The Successful Bidder shall also have software having following features:
- (m) Software to be installed on the LAN.
- (n) Update the software as and when required and provide all necessary protocols to Transport Commissioner, Odisha.
- (o) Data management in the software like data storage, mining, archiving etc.

#### 4.7 CALIBRATION

- (a) Each equipment supplied by the Successful Bidder with all the required calibration tools and certificates.
- (b) The calibration of all the existing equipment to be upgraded by the bidder shall be responsibility of the bidder. Calibration tool of each equipment are available at site.
- (c) All measuring devices shall be calibrated and traceable calibration certificates shall be made available to the Transport Commissioner, Odisha, and shall be included in the documentation delivered by the Successful Bidder. Calibration plan shall also be provided.
- (d) Arrangement of calibrated material for the pre-dispatch inspection and final acceptance is the responsibility of the Successful Bidder.
- (e) Calibration tools and plan need to comply with International Standards and Accreditation. Calibration facility and traceability to national and international laboratories shall also be provided.
- (f) The Smoke Meter (Opacimeter) and Gas Analyzers shall comply with CMVR 1989/TAP 115/116 or AIS 137. For the remaining equipment, in case of non-availability of recognized accreditation agency, the Bidder shall submit thorough explanations of the calibration procedure used.
- (g) Calibration equipment shall also be available with the Bidder in order to maintain the required performances of all the testing equipment included in this RFB.
- (h) After the expiry of the Calibration Certificate, validity of the master tools and the certificate shall be renewed by the Successful Bidder at its own cost from the NABL accredited agencies like ICAT or other agencies authorized for the same.
- (i) The Successful Bidder at his own cost will carry out calibration of installed equipment as per below defined calibration frequencies in order to maintain their required performance:

Sr. No.	Equipment	Calibration Frequency
1	Exhaust Gas Analyzer	4 months
2	Smoke Meter (Opacimeter)	4 months
3	Sound Level Meter	1 year
4	Roller Brake Tester	1 year
5	Speedometer Tester	1 year
6	Side Slip Tester	1 year
7	Suspension Tester	1 year
8	Headlight Tester	1 year

#### 4.8 CLIMATIC CONDITIONS

The Successful Bidder shall be responsible for the performances of the equipment as per the climatic conditions mentioned in “**Section 5 – Site(s) Description**”

#### 4.9 HEALTH & ENVIRONMENTAL REQUIREMENTS

All the equipment must meet the Environmental, Health and Safety aspects (CE or equivalent). The Successful Bidder is expected to provide all safety systems. The necessary certificates shall be kept all the time at the ATS by the Successful Bidder. In case of hazardous material, the Successful Bidder shall also keep Material Safety Data Sheet (MSDS) at the ATS. All the certificates kept at the ATS can be checked by the Transport Commissioner, Odisha at any time.

#### 4.10 DOCUMENTATION

- (a) At the time of equipment delivery, the Successful Bidder is required to provide, for each equipment, at least a manual in English containing: description of the equipment with

detailed drawings, instructions on the operation of the system, detailed software control commands, safety systems, calibration plan and procedure, and possible causes, and full maintenance plan and procedure details.

- (b) Calibration certificates shall be included in the documentation.
- (c) Documentation shall be delivered in Two Hard Copies and in Two Soft Copies (CD orDVD format)

#### 4.11 ACCEPTANCE TESTS

- (a) Before dispatch, the Bidder shall ensure the inspection of the equipment and only proper and quality tested equipment shall be delivered to the installation site.
- (b) Certificates of calibration from recognized accreditation agency shall be submitted.

#### 4.12 PROJECT IMPLEMENTATION TEAM

The Successful Bidder shall designate a Project leader who shall be overall responsible for execution of the project and shall act as a single point of contact with Transport Commissioner, Odisha. The Project leader shall be a person with adequate experience in installation of equipment and operation of the ATS.

#### 4.13 TRAINING PLAN AND TRAINING SUPPORT

- (a) The Successful Bidder shall give detailed information on the Training Plan with respect to (i) Pre-acceptance Training, (ii) Installation and Commissioning Training and (iii) Operational and Maintenance training.
- (b) **Such training will be given to officials and staff of Transport Commissioner, Odisha by the Successful Bidder.**
- (c) The expenses incurred for the training shall be borne by the Successful Bidder.

#### 4.14 SERVICE SUPPORT AND STOPPAGE OF SERVICE

- (a) Any machine/equipment in a test lane should not break-down for more than **96 hrs**, after which a penalty of Rs.5000/- (Five Thousand) **per day per lane** shall be imposed on the Successful Bidder. Such penalty amount in a month shall not exceed the Operation cost for the said month. In case service is disrupted for more than 30 days due to fault of the successful bidder, the agreement shall be terminated.
- (b) The Bidder is expected to operate with the efficiency of typically seven to eight vehicles per hour for Heavy Commercial Lanes and ten to twelve vehicles per hour for Light commercial Lanes capable of 24x7 operations. These are the expected no. of vehicles that can be taken for testing in the LD & HD lanes respectively.
- (c) The Successful Bidder is required to have a service support set up in India with sufficient trained manpower.
- (d) The Successful Bidder shall make an automated system of reporting, recording and rectification of the breakdown at its own cost. As and when required by the Transport Commissioner, Odisha the necessary report shall be shared by the Successful Bidder.

#### 4.15 WARRANTY & COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (AMC)

- (a) The warranty of 2 years and AMC of 5 years of the all installed equipment shall be the responsibility of the Successful Bidder.
- (b) The Equipment Manufacturer of testing lane equipment shall submit an undertaking in **Form (I) of this RFB** that it shall provide Warranty and AMC services of its Equipment uninterruptedly to the DoT for the period of 5 (five) years from the date of commissioning of the Equipment.
- (c) The Successful Bidder shall ensure 95% uptime of all equipment.
- (d) Any preventive maintenance and / or repair for breakdown shall be carried out by the Successful Bidder at its own cost. No charge on this account (including cost of calibration, spare parts, wear parts, consumables to be changed during maintenance, travel and accommodation expenses, etc.) will be borne by Transport Commissioner, Odisha.
- (e) The preventive maintenance will be carried out by the Successful Bidder, at a frequency specified by the Equipment Manufacturer. At every three months, the Successful Bidder shall be required to inspect the equipment and submit a report on overall health &

maintenance status of the equipment to the Transport Commissioner, Odisha. In case of non compliance of this clause by the Successful Bidder, 10% of the operation cost of that particular month shall be deducted as penalty from the monthly operational invoice(s) of the bidder till the compliance of this clause which shall not be more than 30 days.

- (f) **Spares, Consumables & Wear Parts:** The Successful Bidder is required to have critical/essential spare parts and consumables stored at the ATS.

#### 4.16 OPERATIONS AND OPERATION COST

- (a) The Successful Bidder on its own cost will appoint required operational manpower as per applicable Indian Labour Law. The safety of the operational staff will also be taken into consideration by the Successful Bidder.
- (b) The cost of operation shall include the following services:
- (i) Manpower for Operation of test lane equipment.
  - (ii) Manpower and consumables for maintenance of the test lane equipment.
  - (iii) Consumables including electricity, gases, fuel, spares and all other associated costs etc.
  - (iv) Training of officials and staff of Transport Commissioner, Odisha after installation of equipment.
  - (v) All other services which include housekeeping, security and maintenance of Construction, utilities and manpower for administration, drivers and operators required for lane operation.
  - (vi) If any major repairs are required for infrastructure set up by the Transport Commissioner, then the same must be duly approved by the Transport Commissioner and the repair work will be executed by the bidder and the cost of repair will be borne by the Transport Commissioner.
- (c) Manpower management
- (i) The Successful Bidder shall deploy required manpower like Trained Technicians, Supervisors at the ATS for operation of the equipment as per required manpower prescribed in this RFB, testing of vehicles and generating a Test report on minimum wage act.
  - (ii) The minimum requirement and minimum qualifications for manpower are given in Section 6 of this RFB for ATS.
  - (iii) The Successful Bidder is expected to provide qualified manpower for carrying out vehicle testing as per CMVR 1989 as amended.
  - (iv) The Successful Bidder shall provide CV's of the personnel deployed at the ATS.
  - (v) The Successful Bidder shall maintain the record of manpower working at the ATS.
  - (vi) The Successful Bidder is required to comply with the legal requirements of deployed manpower as per applicable laws.
  - (vii) The Successful Bidder is required to ensure safety norms as per regulations of Odisha Factories & Boilers Act, Hazardous Waste Disposal, CPCB norms at the respective ATS.
- (d) The Successful Bidder will be required to maintain the landscaping / horticulture.
- (e) Test Runs – The Successful Bidder shall periodically carry out in-service checks on quarterly basis on all lanes to ensure smooth and correct running for lanes without hampering the routine operations.

#### 4.17 QA/QC DOCUMENT

The Bidder is required to establish QA/QC document for following operations:

- (i) Test procedures for testing vehicles in the lane.
- (ii) Calibration procedure and plan.
- (iii) Maintenance procedure and plan.
- (iv) Data Management (Data storage, mining, archiving, etc.) & Networking.

- (v) Optimization for vehicle through-put, Plan a detail flow of the Testing process to be followed including customer handling process.
- (vi) Test report customization and generation.
- (vii) Interact with Vehicle operators for testing vehicles.
- (viii) Check relevant documentation.

#### 4.18 IMPLEMENTATION SCHEDULE

This work plan and implementation schedule shall be included as given in the table below:

S.No.	Activity	Timeline for the Bidder
1	Signing of Agreement (between Transport Commissioner, Odisha and Successful Bidder)	<b>T</b>
2	Issuance of work order	<b>T + 7 days</b>
3	Handing over the site to the Successful Bidder with power supply by Transport Commissioner, Odisha	<b>T + 15 days</b>
4	Completion of construction of two-wheeler shed area	<b>T + 120 days</b>
5	Upgradation of existing equipment and delivery of equipment at site by Successful Bidder	<b>T + 120 days</b>
6	Installation of equipment by Successful Bidder	<b>T + 120 days</b>
7	Deployment of operating manpower along with their CVs by the Successful Bidder	<b>T + 30 days</b>
The successful bidder shall start the operation with existing infrastructure immediately after deployment of manpower.		
8	Application for Pre Commissioning Audit of equipment by the Successful Bidder to ICAT	<b>T + 130 days</b>
9	Pre Commissioning Audit Report by ICAT to the Successful Bidder and a copy to the Transport Commissioner, Odisha	<b>T + 140 days</b>
10	Commencement of operation of the ATS	<b>T + 40 days</b>

- **Training of officials, operators and any authorized personnel authorized by the Transport Commissioner will be provided by the bidder as and when required.**

#### 4.19 AUDIT AND ASSESSMENT

- (a) The performance and functioning of Automated Testing Station shall be monitored through periodic audits and Assessment, at every six months.
- (b) Pre-Commissioning Audit will be done as follows:-
  - i. At the time of completion of construction of two wheeler test lane shed
  - ii. Commissioning of Acceptance of Equipment
  - iii. Pre-Commissioning Audit report will be submitted in Form 66 of CMVR, 1989.
- (c) The Transport Commissioner will conduct Pre-commissioning and periodic audits and assessments of by the International Center for Automotive Technology (ICAT) and the cost of **Rs Two Lakh plus applicable taxes per audit shall** be borne by the Successful Bidder. The audit amount will increase @10 percent after two years of audit. Boarding and lodging of two persons of ICAT shall also be paid by the Successful Bidder. GST and any other applicable taxes/charges as per law with



- regard to the payment of ICAT shall be borne by the Successful Bidder.
- (d) The expenses on audit and assessment shall be part of the Financial Bid.
- (e) For the purpose of payment to ICAT as per this clause , the ICAT will submit the invoice with a copy Audit and Assessment Report to the Transport Commissioner Odisha and after due verification the Transport Commissioner Odisha will make payment to the ICAT. Such payment will be adjusted from the quarterly operational bill(s) of the Successful Bidder.
- (f) The audit and assessment of ATS shall cover the following aspects, namely: -
- (i) Test equipment completeness;
  - (ii) Equipment calibration at the required frequency at least once a year or as per manufacturer's recommendation, whichever is earlier;
  - (iii) Testing procedures as specified under this RFB;
  - (iv) Calibration process of machinery;
  - (v) Manpower as per specified qualification under this RFB;
  - (vi) Sample check of at least three vehicles from each lane;
  - (vii) Data integrity; and
  - (viii) Functioning of all the Closed-Circuit Televisions installed at the ATS.
- (g) The Transport Commissioner, under exceptional circumstances, may also conduct surprise audits and assessments of ATS once a year and the cost of such audit and assessment shall be borne by the Successful Bidder.
- (h) The Bidder's officials of the ATS shall be responsible for enabling and cooperating with the inspection at any point of time during office hours.
- (i) The audit and assessment report, including surprise audit and assessment, in **Form 67** of CMVR, 1989 along with the photographic evidence, shall be given to the Transport Commissioner.
- (j) Where any discrepancy pointed out during the audit and assessment, the same shall be rectified by the Successful Bidder within ten working days from the date of issuance of the audit and assessment report. Failure to rectify the discrepancy will attract penalty of Rs 5000/- (Five Thousand only) per day. Such penalty amount in a month shall not exceed the operation cost of the particular month. The rectification report shall be submitted to the audit and assessment agency for approval and Transport Commissioner for information. If discrepancy is not resolved by the successful bidder within 30 days in addition to levy of penalty, this agreement shall be cancelled.
- (k) The Audit and Assessment agency, if it so desires, may undertake re-audit and re-assessment for validation and approval. Cost towards the same shall be borne by successful bidder.
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## SECTION – 4A: Existing Vehicle Testing Equipment Status and specification to be upgraded

### a. LCV Lane

#### 1. Roller Brake Tester:

##### a. Equipment Details

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	VTEQ	VTEQ
ii.	Model	BRAK3014	BRAK3014
iii.	Serial No.	18029003	18029002

##### b. Equipment specifications

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Maximum measurable brake load is at least of 6kN	12kN	No
(b)	Difference in left and right braking efficiency	Available	No
(c)	Brake load resolution $\leq 100\text{N}$	10N	No
(d)	Suitable roller diameter, length and separation as per the Matrix given in clause (7) of this rule	Ok, as per requirement	No
(e)	Provision for either lifting or braking of roller for easy exit of vehicle	No Provision provided	<b>Yes, Provision for braking or lifting of roller to be provided</b>
(f)	Approximate Testing speed: 5 km/h $\pm$ 1 km/h	5.4 km/h	No
(g)	<b>Roller surface</b>	VTEQ procedure provided. No certification from any international certified agency or NABL accredited lab is provided.	<b>Yes, Bidder shall be responsible to get the required certification for the same. In case roller surface don't comply with the minimum requirement. Bidder shall change the roller or do the required coating on the roller.</b>
	(i) Minimum frictional coefficient 0.6 (Supporting documents from Internationally certified agencies or NABL accredited labs in India for confirmation of minimum frictional coefficient of roller surface need to be provided).		
	(ii) Service life: Minimum 25000 hrs (Self-declaration from OEM specifying required useful life of rollers without any damage need to be provided).	Mentioned in Brochure	No
(h)	Measurement accuracy: within $\pm 100\text{N}$	$\pm 100\text{N}$	No

##### c. Calibration of roller brake tester:

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 028C0114 (Brake arm), 037C0314(Standard weight)
- Master calibrator's calibration certificate: Valid Till: 09/01/2024
- Calibration Certificate: valid till: 28/09/2023



## 2. Axle weight Measurement equipment:

### a. Equipment Details

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	VTEQ	VTEQ
ii.	Model	EUSA 3014	EUSA 3014
iii.	Serial No.	18036005	18036004

### b. Equipment specifications

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Weighing scale for measurement of each axle weight is required. The system should determine this by adding together the axle weight, tare weight/ Kerb weight of the vehicle. Axle weight measurement system can be separate or integrated within either Suspension Tester or Roller Brake Tester equipment	Integrated with suspension Tester	No
(b)	Measuring Range: 0 - 3000 kg	0-3000Kg	No
(c)	Resolution 5kg	5Kg	No
(d)	Accuracy $\pm$ 1% of reading	$\pm$ 1%	No

### c. Calibration of axle weight measuring equipment:

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 037C0314, 010C0414(Standard weight), 006C1114 (Calibration lever)
- Master calibrator's calibration certificate: Valid Upto: 09/01/2024
- Calibration Certificate: Valid upto: 28/09/2023

## 3. Suspension Tester:

### a. Equipment Details

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	VTEQ	VTEQ
ii.	Model	EUSA 3014	EUSA 3014
iii.	Serial No.	18036005	18036004
iv.	Installation Certificate	IMPC/PVB/2019-20/15	IMPC/PVB/2019-20/15
v.	Date of Installation	05/11/2019	05/11/2019

### b. Equipment specifications

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
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(a)	Amplitude of excitation: 6.5 mm +/- 5 mm	6 mm	No
(b)	Measurement accuracy - ± 1% of wheel load	± 1%	No

**c. Calibration of Suspension Tester:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 037C0314, 010C0414(Standard weight), 006C1114 (Calibration lever)
- Master calibrator's calibration certificate: Valid Upto: 09/01/2024
- Calibration Certificate: Valid upto: 28/09/2023

**4. Side slip Tester :**

**a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	VTEQ	VTEQ
ii.	Model	SLIP 3010	SLIP 3010
iii.	Serial No.	18040013	018040012

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Suitable dimension of track plate length, weight and height	Ok as per requirement	No
(b)	Measuring range: ± 20 m/km	± 20 m/km	No
(c)	Measuring resolution: 1 m/km	1 m/km	No
(d)	Accuracy shall be ±1.0m/km	±0.1m/km	No

**c. Calibration of Side slip tester:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 7308423 (Dial Gauge)
- Master calibrator's calibration certificate: Valid Till: 09/08/2024
- Calibration Certificate: Valid till: 28/09/2023

**5. Joint Play Tester:**

**a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	VTEQ	VTEQ
ii.	Model	Axle 3011	Axle 3011
iii.	Serial No.	18061006	18061005

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Maximum Force per plate is at least of 6 kN	12.5 kN	Yes, Maximum Force per plate to be restricted as per requirement

(b)	Maximum movement on each side: 50 - 80 mm (Hydraulic)	100mm	<b>Yes, Maximum movement on each side to be restricted as per requirement</b>
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**c. Calibration of Joint play tester:**

- Availability of Calibration tool: (Yes/No): No
- Serial Number of calibrator: Not Applicable
- Master calibrator's calibration certificate: Not Applicable
- Calibration Certificate: Not Applicable

**6. Electronic Steering Gear Play Detector: Not Available**

**a. Equipment specifications**

Sr. No.	Requirement
(a)	Capable of measuring angular movement up to $\pm 30^\circ$
(b)	Recording mechanism to measure wheel movement against steering movement
(c)	Measurement accuracy - $\pm 2\%$ of full-scale deflection

**7. Semi- Automatic Head light tester:**

**a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	VTEQ	VTEQ
ii.	Model	PLA25 DR	PLA25 DR
iii.	Serial No.	KB160047.008	KB.160047.006

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Light Intensity range measure (min): 0-100,000 cd	0-125000cd	No
(b)	Illumination Intensity range measure: 0-200 lux	0-200 lux	No
(c)	Headlight tester must have auto focusing ability and should be capable of measuring headlamp with their Centres 500 mm to 1200 mm above ground level	230-1400	No
(d)	Vertical and horizontal measuring range: $\pm 50$ cm/10 m ( $\pm 5\%$ )	$\pm 100$ cm/10 m	No
(e)	Intensity maximum deviation: $\pm 5\%$ of reading.	$\pm 5\%$	No
(f)	Headlamp tester to be placed on a perfectly level surface/ rails.	On rails	No
(g)	Maximum deviation of inclination measurement (vehicle orientation): $\pm 0.1\%$	$\pm 0.1\%$	No

**c. Calibration of Semi- Automatic Head light tester:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: EP140112.006
- Master calibrator's calibration certificate: Valid Till: 14/01/2024
- Calibration Certificate: Valid Till: 18/09/2023

**8. Opacimeter:****a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	Crypton	Crypton
ii.	Model	DX 260	DX 260
iii.	Serial No.	013845	013839

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Equipment to meet specifications as per MoRTH / Central Motor Vehicles Rules, 1989 / TAP 115 / 116 or AIS 137 (part 8)	Type Approval certificate available	No

**c. Calibration of Opacimeter:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: DIE 1011
- Master calibrator's calibration certificate: Valid till 07/11/2024
- Calibration Certificate: Valid Till: 04/08/2023

**9. Exhaust gas analyzer:****a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	Crypton	Crypton
ii.	Model	D682	D682
iii.	Serial No.	4033FB19/001	4033MY19/003

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	The equipment should measure gas emissions of gasoline, CNG, LPG as per Central Motor Vehicles Rules, 1989 / TAP 115/116 or AIS 137 (part 8)	Type Approval certificate available	No
(b)	Threshold limits as per relevant provisions in rule 115	Ok as per requirement	No
(c)	Measuring resolution to be as follows: (i). CO: 0.01% (ii). CO <sub>2</sub> : 0.1% (iii). HC: 1 ppm (iv). O <sub>2</sub> : 0.02% for measured values ≤ 4% values & 0.1% for measured values ≥ 4% (v). Lambda: 0.001 RPM counter: 10 rpm	Ok as per requirement	No
(d)	The maximum deviation allowed in the rpm counter shall be ± 20 rpm or ±2% of the reading, whichever is greater.	Ok as per requirement	No
(e)	Probe to be mechanically clamped to the tail pipe for suitable analysis of exhaust gas.	Ok, as per requirement	No

(ii) Ambient air quality should not be disturbed due to exhaust gas emissions. Suitable mechanism to be incorporated for extraction of exhaust gas from the shed		
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**c. Calibration of Exhaust gas analyzer:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrators: 8270
- Master calibrator's calibration certificate: Valid Till:09/03/2024
- Calibration Certificate: Valid Till: 04/08/2023

**10. Speedometer Tester/ Speed Governor Tester:**

**a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	VTEQ	VTEQ
ii.	Model	Road 3010	Road 3010
iii.	Serial No.	18080001	18080002

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Suitable dimension of track weight, roller diameter and axle separation, as per the Matrix given in clause (7) of this rule	Ok as per requirement	No
(b)	Provision for lifting and braking of roller for easy exit of vehicle	Both Provision are available	No
(c)	Measuring range: 20 – 160 km/h	20-160 Km/h	No
(d)	Resolution: 1 km/h	1Km/h	No
(e)	Accuracy $\pm 1$ % of indicated reading	$\pm 1$ % of FS	No

**c. Calibration of Speedometer Tester/ Speed Governor Tester:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 140807025
- Master calibrator's calibration certificate: Valid Till:09/08/2024
- Calibration Certificate: Valid Till:28/09/2023

**11. Sound level meter:**

**a) Equipment Details**

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	Cesva	Cesva
ii.	Model	SC- 102	SC- 102
iii.	Serial No.	T245801	T245806

**b) Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Recommended as per IEC 60651/ IEC 61672-1	Ok as per requirement	No

(b)	Measuring level: $\geq 30$ dB to $\leq 120$ dB	Ok as per requirement	No
(c)	Frequency A & C	Available	No
(d)	Accuracy - $\pm 1.5$ dB	$\pm 1$ dB	No
(e)	Tripod stand mounted	Available	No
(f)	Build battery for power source of charging from outlet of 220V AC and USB	Available	No
(g)	Resolution: 0.1 dB	0.1 db	No

**c. Calibration of Sound level meter:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 901865
- Master calibrator's calibration certificate: Valid Till:09/08/2024
- Calibration Certificate: Valid Till:28/09/2023

**12. OBD Scan Tool: Not Available**

**a. Equipment specifications**

Sr. No.	CMVR specification Requirement
(a)	Compliant to: OBDII/EOBD/HDOBD/WWH-OBD Scan-Tool in accordance with SAE J1979, SAE J1939 and ISO 27145
(b)	Must support all OBD modes
(c)	Diagnostics Communication mediums supported: KWP2000 (K-Line, CAN TP2.0 and ISO-CAN), UDS (ISO-CAN)

**13. Test Fingers (for Electric & Hybrid Electric Power train vehicles only): Not Available**

**a. Equipment specifications**

Sr. No.	CMVR specification Requirement
(a)	IPXXB & IPXXD test fingers

**14. Insulation Tester (for Electric & Hybrid-Electric Power train vehicles only): Not Available**

**a. Equipment specifications**

Sr. No.	CMVR specification Requirement
(a)	Rated measuring voltage: upto 1000V DC/AC (45 to 65 Hz)
(b)	Measuring range: 10k $\Omega$ to 100M $\Omega$ or better
(c)	Accuracy: upto 10M $\Omega$ $\pm 2\%$ of reading & above 10M $\Omega$ $\pm 5\%$ of reading

**15. Free Roller Set (For Speedometer test on All Wheel Drive vehicles)**

**a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 1	Lane 2
i.	Make	VTEQ	Not Available
ii.	Model	LIBE3000	N/A
iii.	Serial No.	7965	N/A

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
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(i)	The device shall be portable to accommodate large variations in wheelbase of the vehicle	Ok as per requirement	No
(ii)	It shall allow driven axels to turn without touching the floor. It shall be composed of a chassis with free turning wheels mounted onto it	Ok as per requirement	No
(iii)	The device shall be designed to ensure safety of nearby people and vehicles so a proper restraint system shall be proposed	Ok as per requirement	No

## 16. Toeing trolley or rail Trolley (For front wheel of 3-Wheeled vehicle)

### a. Equipment Details

Sr. No.	Particulars	Details	
		Lane 1 (Available)	Lane 2 (Not Available)
i.	Make	Not Mentioned	N/A
ii.	Model	Not Mentioned	N/A
iii.	Serial No.	Not Mentioned	N/A
iv.	Installation Certificate	N/A	N/A
v.	Date of Installation	N/A	N/A

### b. Equipment specifications

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(i)	Toeing trolley should be capable of safe movement of front wheel of 3-wheelers by sliding over the inspection pit.	Provided	Yes
(ii)	Locking mechanism should be provided for loading & unloading of front wheel of 3-wheelers on the trolley.	Locking Mechanism is not working properly	<b>Yes, To be repaired by the bidder</b>

## b. HCV Lane

### 1. Roller Brake Tester:

#### a. Equipment Details

Sr. No.	Particulars	Details	
		Lane 3	Lane 4
i.	Make	VTEQ	VTEQ
ii.	Model	BRAK7011	BRAK7011
iii.	Serial No.	18027003	18027008

#### b. Equipment specifications

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Maximum measurable brake load is at least of 40 kN.	40 kN	No
(b)	Difference in left and right braking efficiency	Available	No
(c)	Brake load resolution $\leq 100N$	10N	No
(d)	Suitable roller diameter, length and separation as per the Matrix given in clause (7) of this rule	Ok as per requirement	No
(e)	Provision for lifting and braking of roller for easy exit	No provision for lifting and braking of roller provided	<b>Yes, Braking of roller is required.</b>

	of vehicle		
(f)	Approximate Testing speed: minimum 2.5 km/h	3km/h	Yes
(g)	<b>Roller surface</b>	VTEQ procedure provided. No certification from any international certified agency or NABL accredited lab is provided.	<b>Yes, Bidder shall be responsible to get the required certification for the same. In case roller surface don't comply with the minimum requirement. Bidder shall change the roller or do the required coating on the roller.</b>
	(i) Minimum frictional coefficient 0.6 (Supporting documents from Internationally certified agencies or NABL accredited labs in India for confirmation of minimum frictional coefficient of roller surface need to be provided).		
	(ii) Service life: Minimum 25000 hrs (Self-declaration from OEM specifying required useful life of rollers without any damage need to be provided)	Mentioned in VTEQ brochure	No
(h)	Measurement accuracy: within $\pm 2\%$ of the measured value	$\pm 2\%$	No

**c. Calibration of roller brake tester:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 010C0414, 037C0314 (Standard weight), 05C0514 (calibration lever)
- Master calibrator's calibration certificate: Valid Till: 09/01/2024
- Calibration Certificate: Valid Till: 28/09/2023

**2. Axle weight Measurement equipment:**

**a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 3	Lane 4
i.	Make	VTEQ	VTEQ
ii.	Model	BRAK7011	BRAK7011
iii.	Serial No.	18027003	18027008

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Weighing scale for measurement of each axle weight is required. The system should determine this by adding together the axle weight, tare weight/ Kerb weight of the vehicle. Axle weight measurement system can be separate or integrated within Roller Brake Tester equipment.	Integrated with Brake Tester	No
(b)	Measuring Range: 0 - 15000 kg	3,500-18,000kg	<b>Yes, as per requirement</b>
(c)	Resolution 5kg	5Kg	No
(d)	Accuracy $\pm 1\%$ of reading	$\pm 1\%$	No



**c. Calibration of axle weight measuring equipment:**

- Availability of Calibration tool: (Yes/No): No, Reference weight used for calibration
- Serial Number of calibrator: N/A
- Master calibrator's calibration certificate: N/A
- Calibration Certificate: N/A

**3. Side slip Tester :****a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 3	Lane 4
i.	Make	VTEQ	VTEQ
ii.	Model	SLIP 7010	SLIP 7010
iii.	Serial No.	18043004	18043003

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Suitable dimension of track plate length, weight and height	Ok as per requirement	No
(b)	Measuring range: $\pm 20$ m/km	$\pm 20$ m/km	No
(c)	Measuring resolution: 1 m/km	1 m/km	No
(d)	Accuracy shall be $\pm 1.0$ m/km	$\pm 1.0$ m/km	No

**c. Calibration of Side slip Tester:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 7308423 (Dial Gauge)
- Master calibrator's calibration certificate: Valid Till: 09/08/2024
- Calibration Certificate: Valid till: 28/09/2023

**4. Joint Play Tester:****a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 3	Lane 4
i.	Make	VTEQ	VTEQ
ii.	Model	AXLE 7011	AXLE 7011
iii.	Serial No.	18062004	18062005

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Maximum Force per plate is at least of 30 kN	40.5 kN	Yes, Maximum force per plate to be restricted as per requirement
(b)	Maximum movement on each side: 100 mm (Hydraulic)	100mm	No

## 5. Electronic Steering Gear Play Detector: Not Available

### a. Equipment specifications

Sr. No.	Existing equipment specification
(a)	Capable of measuring angular movement up to $\pm 30^\circ$
(b)	Recording mechanism to measure wheel movement against steering movement
(c)	Measurement accuracy - $\pm 2\%$ of full-scale deflection

## 6. Semi Automatic Head light tester:

### a. Equipment Details

Sr. No.	Particulars	Details	
		Lane 3	Lane 4
i.	Make	VTEQ	VTEQ
ii.	Model	PLA25 DR	PLA25 DR
iii.	Serial No.	KB160047.004	KB160047.002

### b. Equipment specifications

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Light Intensity range measure (min): 0-100,000 cd	0-125,000 cd	No
(b)	Illumination Intensity range measure: 0-200 lux	0-200 lux	No
(c)	Headlight tester must have auto focusing ability and should be capable of measuring headlamp with their Centres 500 mm to 1200 mm above ground level	230-1400	No
(d)	Vertical and horizontal measuring range: $\pm 50$ cm/10 m ( $\pm 5\%$ )	$\pm 100$ cm/10 m	No
(e)	Intensity maximum deviation: $\pm 5\%$ of reading.	$\pm 5\%$	No
(f)	Headlamp tester to be placed on a perfectly level surface/ rails.	On rails	No
(g)	Maximum deviation of inclination measurement (vehicle orientation): $\pm 0.1\%$	$\pm 0.1\%$	No

### c. Calibration of Semi Automatic Head light tester:

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: EP140112.006
- Master calibrator's calibration certificate: Valid Till: 14/01/2024
- Calibration Certificate: Valid Till: 18/09/2023

## 7. Opacimeter:

### a. Equipment Details

Sr. No.	Particulars	Details
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		Lane 3	Lane 4
i.	Make	VTEQ	VTEQ
ii.	Model	DX 260	DX 260
iii.	Serial No.	013836	013847

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(b)	Equipment to meet specifications as per MoRTH / Central Motor Vehicles Rules, 1989 / TAP 115 / 116 or AIS 137 (part 8)	Type Approval Certificate available	No

**c. Calibration of Opacimeter:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: DIE 1011
- Master calibrator's calibration certificate: Valid till: 07/11/2024
- Calibration Certificate: Valid Till: 04/08/2023

**8. Exhaust gas analyzer:**

**a. Equipment Details**

Sr. No.	Particulars	Details	
		Lane 3	Lane 4
i.	Make	VTEQ	VTEQ
ii.	Model	D680	D680
iii.	Serial No.	4033MY19/006	4033MY19/002

**b. Equipment specifications**

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	The equipment should measure gas emissions of gasoline, CNG, LPG as per Central Motor Vehicles Rules, 1989 / TAP 115/116 or AIS 137 (part 8)	Type Approval Certificate available	No
(b)	Threshold limits as per relevant provisions in rule 115	Ok as per requirement	No
(c)	Measuring resolution to be as follows: (i). CO: 0.01% (ii). CO <sub>2</sub> : 0.1% (iii). HC: 1 ppm (iv). O <sub>2</sub> : 0.02% for measured values ≤ 4% values & 0.1% for measured values ≥ 4% (v). Lambda: 0.001 RPM counter: 10 rpm	Ok as per requirement	No
(d)	The maximum deviation allowed in the rpm counter shall be ± 20 rpm or ±2% of the reading, whichever is greater.	Ok as per requirement	No
(e)	Probe to be mechanically clamped to the tail pipe for suitable analysis of exhaust gas. Ambient air quality should not be disturbed due to exhaust gas emissions. Suitable mechanism to be incorporated for extraction of exhaust gas from the shed	Ok, as per requirement	No

**c. Calibration of Exhaust gas analyzer:**

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 8270

- Master calibrator's calibration certificate: Valid Till:09/03/2024
- Calibration Certificate: Valid Till: 04/08/2023

## 9. Speedometer Tester/ Speed Governor Tester:

### a. Equipment Details

Sr. No.	Particulars	Details	
		Lane 3	Lane 4
i.	Make	VTEQ	VTEQ
ii.	Model	ROAD 700	ROAD 700
iii.	Serial No.	18083001	18083002

### b. Equipment specifications

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Suitable dimension of track weight, roller diameter and axle separation, as per the Matrix given in clause (7) of this rule	Ok as per requirement	No
(b)	Provision for lifting and braking of roller for easy exit of vehicle	Lifting and braking both provision are available	No
(c)	Measuring range: 25 — 100 km/h	Max 100 km/h	No
(d)	Resolution: 1 km/h	1 km/h	No
(e)	Accuracy $\pm 1$ % of indicated reading	$\pm 1$ % of FS	No

### c. Calibration of Speedometer Tester/ Speed Governor Tester:

- Availability of Calibration tool: (Yes/No): Yes
- Serial Number of calibrator: 140807025
- Master calibrator's calibration certificate: Valid Till:09/08/2024
- Calibration Certificate: Valid Till:28/09/2023

## 10. Sound level meter:

### a. Equipment Details

Sr. No.	Particulars	Details	
		Lane 3	Lane 4
i.	Make	CESVA	CESVA
ii.	Model	SC-102	SC-102
iii.	Serial No.	T245803	T245802

### b. Equipment specifications

Sr. No.	CMVR specification Requirement	Existing equipment specification	Upgradation required
(a)	Recommended as per IEC 60651/ IEC 61672-1	Ok as per requirement	No
(b)	Measuring level: $\geq 30$ dB to $\leq 120$ dB	Ok as per requirement	No
(c)	Frequency A & C	Available	No
(d)	Accuracy - $\pm 1.5$ dB	$\pm 1$ dB	No
(e)	Tripod stand mounted	Available	No

(f)	Build battery for power source of charging from outlet of 220V AC and USB	Available	No
(g)	Resolution: 0.1 dB The location of the Sound Level Meter to be clearly marked on the test station.	0.1 db	No

- **Calibration of Sound level meter:**
  - Availability of Calibration tool: (Yes/No): Yes
  - Serial Number of calibrator: 901865
  - Master calibrator's calibration certificate: Valid Till:09/08/2024
  - Calibration Certificate: Valid Till:28/09/2023

### 11. OBD Scan Tool: Not Available

#### a. Equipment specifications

Sr. No.	Existing equipment specification
(a)	Compliant to: OBDII/EOBD/HDOBD/WWH-OBD Scan-Tool in accordance with SAE J1979, SAE J1939 and ISO 27145
(b)	Must support all OBD modes
(c)	Diagnostics Communication mediums supported: KWP2000 (K-Line, CAN TP2.0 and ISO-CAN), UDS (ISO-CAN)

- **Test Fingers (for Electric & Hybrid Electric Power train vehicles only)**

#### a. Equipment specifications

Sr. No.	CMVR specification Requirement
(a)	IPXXB & IPXXD test fingers

### 12. Insulation Tester (for Electric & Hybrid-Electric Power train vehicles only): Not Available

#### a. Equipment specifications

Sr. No.	Requirement
(a)	Rated measuring voltage: upto 1000V DC/AC (45 to 65 Hz)
(b)	Measuring range: 10kΩ to 100MΩ or better
(c)	Accuracy: upto 10MΩ ±2% of reading & above 10MΩ ±5% of reading

### 13. Bogie Roller Set (For Roller Brake Test or Speedometer Test on multi-axle HCV with more than one live axle)

#### a. Equipment Details

Sr. No.	Particulars	Details	
		Lane 3	Lane 4 (Not Available)
i.	Make	VTEQ	N/A
ii.	Model	LIBE 7000	N/A
iii.	Serial No.	18084001	N/A

#### b. Equipment specifications

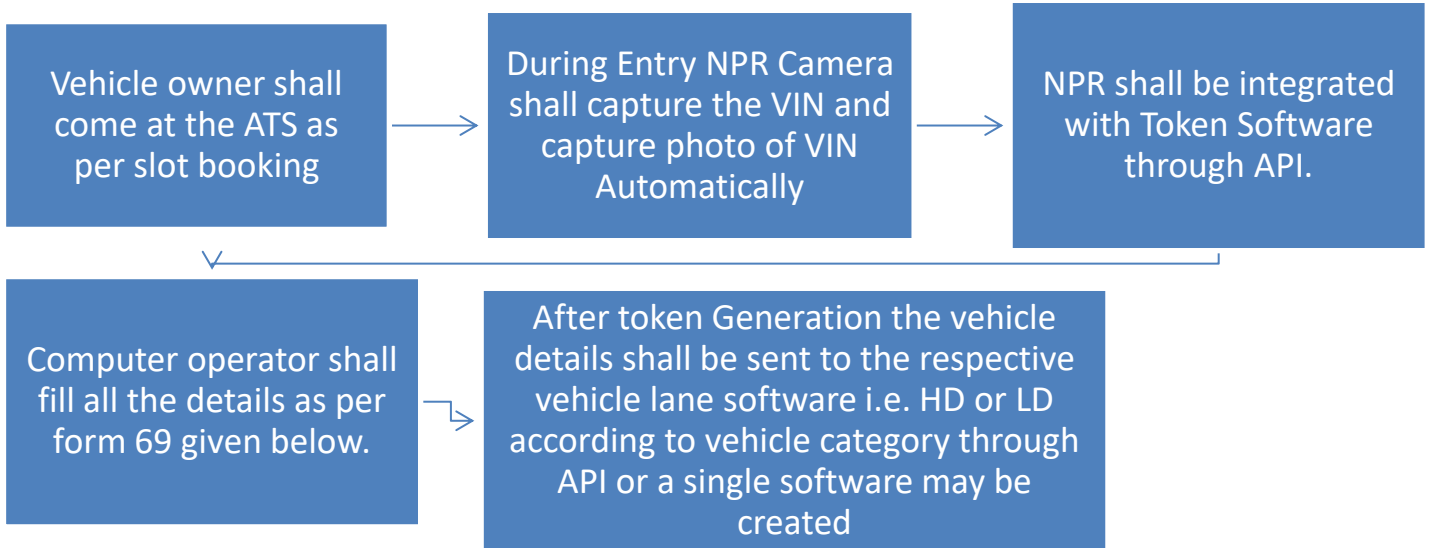


<b>Sr. No.</b>	<b>CMVR specification Requirement</b>	<b>Existing equipment specification</b>	<b>Upgradation required</b>
(i)	Proper braking mechanism for locking of rollers during exit of vehicle shall be provided	Pneumatic Brakes available	Yes
(ii)	The bogie rollers are to be suitably designed to accommodate varying distances between axles and are to be embedded suitably to test both brake and speedometer	Available	Yes

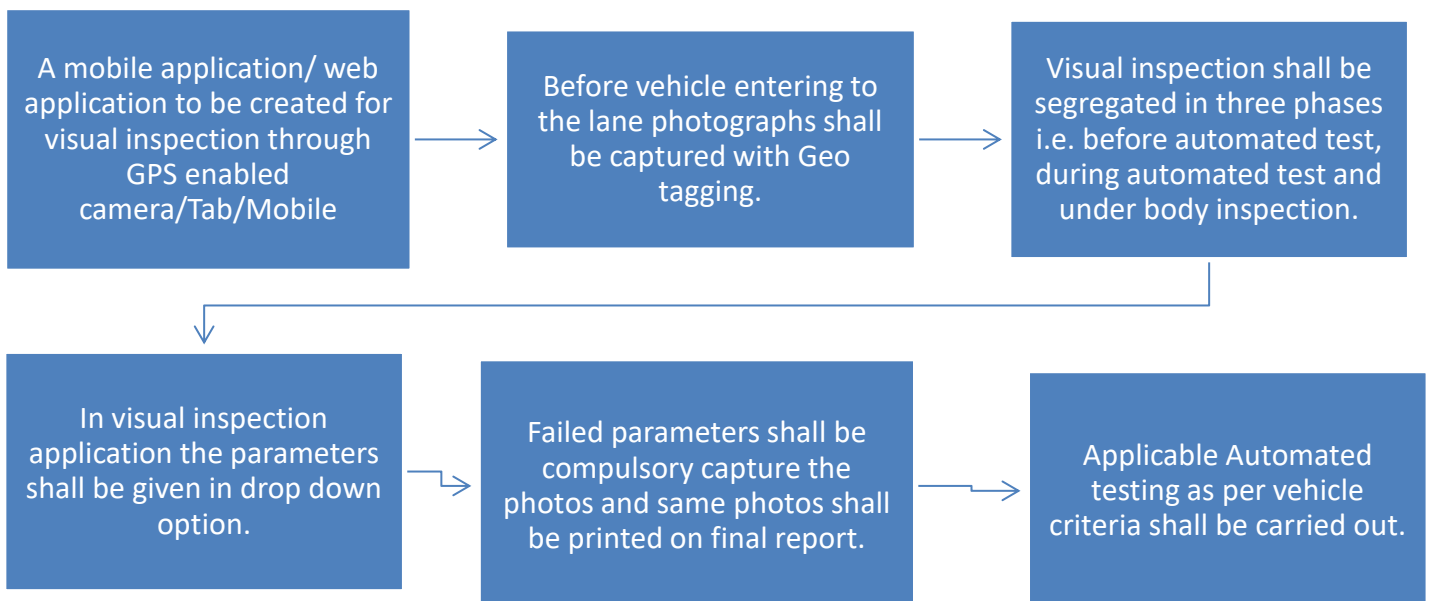


### SECTION – 4B: Token Software features and details

1. Process flow to be opted by the operator for testing of vehicle at ATS as below



Details of Vehicle										
Registration no.	Vehicle Class	Make	Model	Engine Number	Chassis Number	Fuel Type	Emission Norms	Speed Governor number (if any)	GVW (kg)	Year of Mfg.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)





## At first Page of Test Report

Name, logo & details of the ATS Operator

QR Code		<GPS coordinated date and time> <Picture of the Registration Plate of the Vehicle>
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## At Last Page of Test Report

(5). Inspection Photos (to be uploaded):


### 2. Token Software features and requirements

- i. Inward of vehicle with required information as per form 69 (Test Report Format)
- ii. Integration with NPR camera for fetching vehicle identification number
- iii. The software should be capable of fetching required vehicle data from NIC database when given access by the NIC, NPR shall read the vehicle registration number and download all the data from vahan server/ electronic portal setup by central government.
- iv. Till the time access is not granted by the NIC the NPR camera shall capture all the vehicle number plate and provide all the registration number in Txt. Or similar format read by the software through API. Also NPR should capture the number plate image which shall be printed in report along with the GPS coordinates of the captured image.
- v. Scheduling and lane management.
- vi. Integration with vehicle testing software.
- vii. Visual inspection of vehicle
- viii. Collection of Automated testing data from vehicle testing software
- ix. Compilation of all the automated and visual test data
- x. Generate Report as per form 69 of CMVR
- xi. Integration with vahan server/ electronic portal setup by central government or State Government.
- xii. Digital signature on Test report generated through remote application interface
- xiii. Upload the test report in vahan server/ electronic portal setup by central government in the format specified by NIC
- xiv. MIS features such as: Monthly/Yearly/ Daily reports, Equipment wise report, Data mining, Data visualization through Various Charts and reports etc.

## Token Software modules

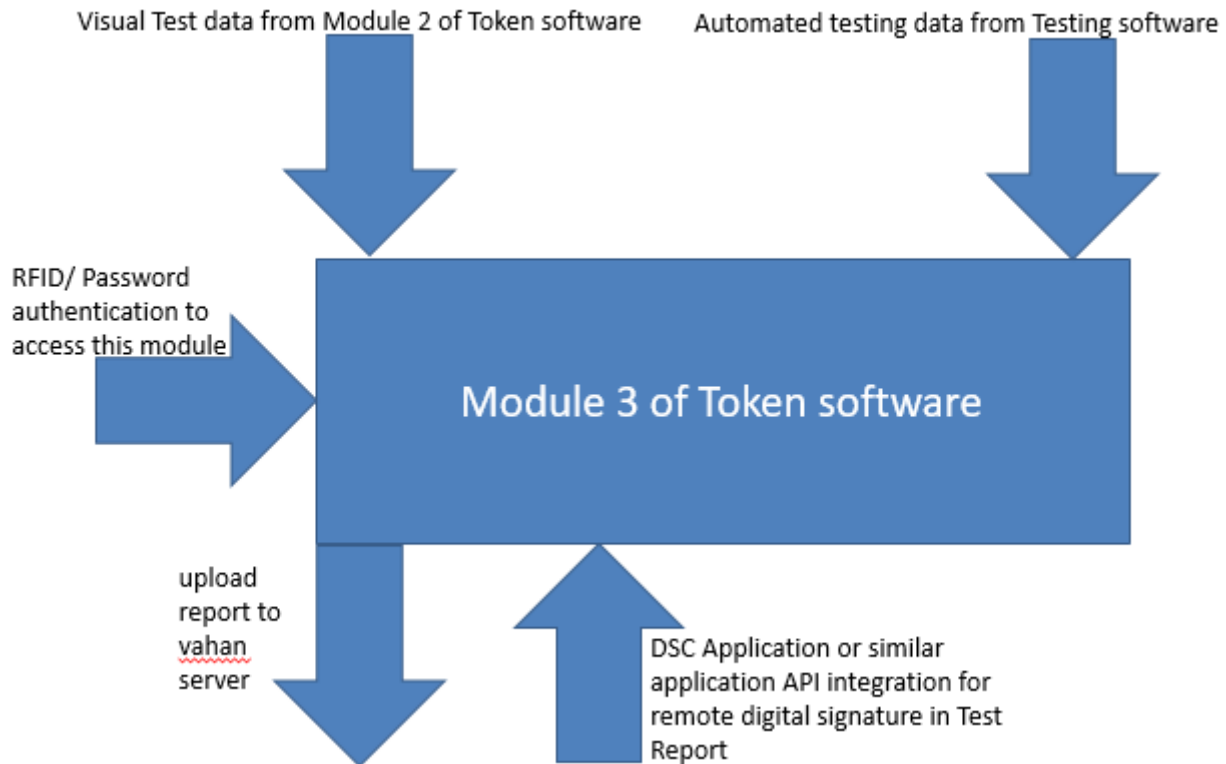
Module 1 Vehicle Registration through manual/ Vahan/ electronic portal setup by central government integration	Module 2 Visual Inspection in two stages	Module 3 1. Report compilation 2. Report Generation 3. Digital signature 4. upload report to vahan server/ electronic portal setup central government
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Visual inspection should be defined in 2 stages as below:

- Pre automated test inspection: visual parameter shall be checked by the officials empowered & appointed by Transport Commissioner, Odisha such as MVI/AMVI/Jr MVI.
- During Automated test: visual parameter shall be inspected by the officials empowered & appointed by Transport Commissioner, Odisha such as MVI/AMVI/Jr MVI.

Visual inspection parameter shall be defined in stage wise during implementation of the project.



- xv. Token software should have multiple levels of access, viz programmer/service engineer, test engineer and operator and the software should have the capability to register the test appointments through web, mail and manually through telephone. Software should include facility for intimation of fitness test due through Mail/Mobile/SMS. Bidder should send SMS / mail to those vehicle owners that have passed as per Vehicle Testing report / record of the Center. Bidder should also send the intimation of fitness test due through mail/SMS to those vehicle owners whose list will be provided by the respective RTO. Software should have integration with number plate camera system. The cost incurred for all the requirements mentioned in this paragraph shall be borne by the Successful Bidder.
- xvi. The Transport Commissioner, Odisha may require to update the report format of vehicle testing and other related activities from the Successful Bidder and this shall be done by the Successful Bidder at its own cost.
- xvii. Software should have the facility to issue the pass sticker on a pre-printed stationary. The pass sticker is to be given to the vehicle owner/operator only in case of vehicles passing the fitness test along with the test report and fitness certificate. The required stationary and all necessary hardware/software for PASS Sticker shall be provided by the Successful Bidder at its own cost.
- xviii. Software – The Successful Bidder shall also have software having following features:
  - xix. Software to be installed on the LAN.
  - xx. Update the software as and when required and provide all necessary protocols to Transport Commissioner, Odisha.
  - xxi. Data management in the software like data storage, mining, archiving etc.
  - xxii. Software should be able to customize and generate test reports as required by Transport Commissioner, Odisha from time to time
  - xxiii. The successful bidder shall provide all the software protocols/ documents and all hardware firmware/protocols to Transport Commissioner, Odisha at the end of the contract or in case of termination.
  - xxiv. The successful bidder shall extend their support to the Transport Commissioner, Odisha to integrate new software/application with the existing equipment and software in case of new operator selected by Transport Commissioner, Odisha for the operation of ATS Cuttack.

## SECTION – 5: SITE DESCRIPTION

**Important Instruction:** Before quoting for this tender, Bidders are requested to visit the ATS to check the availability and actual conditions of the infrastructures as well as the conditions of all utilities installed at the ATS and accordingly quote the Financial Bid.

### GENERAL DESCRIPTION

#### 5.1 Operating Conditions at Testing Station

- Temperature: 28°C to +35°C
- Humidity (RH): up to 85 %

**5.2** The existing Vehicle Inspection building is concrete building and Pre-Engineered Building (PEB) Structure. The buildings of Automated Testing Station will have space for vehicle testing lanes catering to Light Commercial Vehicles up to 3.5 tons GVW including Two Wheelers, Three Wheelers & Taxis and for Medium and Heavy Commercial Vehicles above 3.5 ton GVW. **Automated testing Station will have two lanes each for LMV and HMTV, thus a total of four lanes.** The testing lanes are to be prepared by the Successful Bidder as per scope of work of this RFB.

**5.3** Electricity: Power available at sites

- (a) Three phase: AC 392 V +/- 10 % ..... 50Hz +/- 1
- (b) Single phase: AC 227 V +/- 10 % and ...Hz +/- 1

**5.4** Utilities and facilities available at site:

- (a) LT/HT panel
- (b) HT/LT Transformer
- (c) DG 01 / 75 kva
- (d) DG 02 / 75 kva
- (e) DG 03 / 160 kva
- (f) COMPRESSOR / 7.5 kw
- (g) UPS 01 / 20 kw
- (h) UPS 02 / 5.4 kw
- (i) WATER COOLER 2 Nos
- (j) FUME EXTRACTOR 6 Nos.
- (k) TULU PUMP 3 NOS / 0.37 Kw
- (l) TRANSFORMER / 500 KVA
- (m) LT PANEL / 630 A
- (n) Arrangements for drinking water, waiting area and washrooms for the drivers/staff of the vehicles submitted for inspection.
- (o) Electric lights, ceiling fans, exhaust fan for shed area.
- (p) Telephone lines (PABX) the Successful Bidder shall bear the uses charges.
- (q) High wall mounted ..... ( 7 ) split Air Conditioners with evaporator of 2 Ton capacity..
- (r) Fume extraction system at all existing test lane
- (s) Furniture for office and shed area.

**5.5** The Successful Bidder shall be responsible for paying all charges in connection with consumption of electricity, calibration gases, water and the disposal of sewage and other waste throughout the contract period.

**5.6** The maintenance of utilities (including transformer and HT panel) provided by Transport Commissioner, Odisha shall be done by the Successful Bidder at its own cost throughout the contract period.

## SECTION – 6: MINIMUM NUMBER AND MINIMUM QUALIFICATIONS OF MANPOWER

The minimum requirement of manpower and their minimum qualifications for the smooth operation of the ATS shall be as per the following table, namely:-

S.No.	Designation	Minimum manpower requirement	Minimum Qualification
(1)	(2)	(3)	(4)
1.	Centre Head/Manager	1	Graduate in Automobile or Mechanical or Electrical or Electronic Engineering with at least ten years of professional experience which includes at least five years of experience in vehicle inspection, manufacturing or repair and shall have thorough knowledge of the Act and the rules made there under, especially the chapters relating to registration of motor vehicles and construction, equipment and maintenance of motor vehicles.
2.	Information technology in charge/ System Analyst	2	Master of Computer Application or Bachelor of Engineering or Bachelor of Technology in Computer Science or Information technology or Electronics and Communication Engineering with at least three years of experience in Hardware, software and Networking from any recognized organization or institutions.
3.	Data Entry Operator	2	Any Graduation Degree or Diploma in Computer Application with basic computer knowledge.
4.	Driver (Light Motor Vehicle/Heavy Motor Vehicle)	2 per lane per shift	Driving license with minimum five years of driving experience (Light Motor Vehicle or Heavy Motor Vehicle).
5.	Lane in charge / Supervisor	1 per lane per shift	Industrial Training Institute Diploma in Motor Mechanics or Diploma in Mechanical or automobile or electrical stream with minimum three years of experience in automobile repair and Maintenance from any recognized organization or institutions.
6.	Lane Operator	2 per lane per shift	Industrial Training Institute Diploma in Motor Mechanics or Electrical or Computer stream with minimum two years of experience in automobile repair and maintenance from any recognized organization or institutions.
7.	Maintenance Technician	1 per lane per shift	Industrial Training Institute Diploma in Air Conditioning and Refrigeration or Industrial Training Institute Electrician or Diploma in Mechanical or Electrical, with minimum two years of experience in electrical Maintenance from any recognized organization or institutions.

**Note:**

1. The Successful Bidder of ATS shall ensure compliance of all the applicable laws for the time being in force, including Labour Laws and Minimum Wages Act. The manpower for house-keeping, security, horticulture and other office attendants shall also be provided by the Successful Bidder.

## SECTION – 7: EQUIPMENT SPECIFICATIONS

- (1) The equipment used at ATS shall be capable of measuring maximum safe axle weight as notified under section 58 of the Act.
- (2) The equipment shall be able to test all categories of vehicle under fitness regime.
- (3) The software of the equipment shall allow modification in the inspection system as required by the Transport Commissioner, Odisha.
- (4) All equipment shall be able to operate in the following environmental conditions, namely: -
  - (i) temperature range 0°C to 55°C;
  - (ii) humidity up to 95%;
  - (iii) dust: Typical Indian testing condition.
- (5) The equipment used at ATS shall comply with the specifications as prescribed in sub-rule (5) of rule 190 of CMVR 1989, as amended from time to time. *If any discrepancy between specifications mentioned in this RFB and those provisioned in the CMVR 1989 occurs, the latter will prevail.*

Sl. No.	Equipment	Technical Specification of Vehicle Testing Equipment	
		Light Commercial Vehicles	Medium and Heavy Commercial Vehicles
(1)	(2)	(3)	(4)
1	<b>Roller brake tester</b>	(a) Maximum measurable brake load is at least of 6kN (b) Difference in left and right braking efficiency (c) Brake load resolution $\leq 100\text{N}$ (d) Suitable roller diameter, length and separation as per the Matrix given in sub rule (7) of this rule (e) Provision for either lifting or braking of roller for easy exit of vehicle (f) Approximate Testing speed: 5 km/h $\pm$ 1 km/h (g) Roller surface (i) Minimum frictional coefficient 0.6 (Supporting documents from Internationally certified agencies or NABL accredited labs in India for confirmation of minimum frictional coefficient of roller surface need to be provided). (ii) Service life: Minimum 25000 hrs (Self-declaration from OEM specifying required useful life of rollers without any damage need to be provided) (h) Measurement accuracy: within $\pm 100\text{N}$	(a) Maximum measurable brake load is at least of 40 kN. (b) Difference in left and right braking efficiency (c) Brake load resolution $\leq 100\text{N}$ (d) Suitable roller diameter, length and separation as per the Matrix given in subrule (7) of this rule (e) Provision for lifting and braking of roller for easy exit of vehicle (f) Approximate Testing speed: minimum 2.5 km/h (g) Roller surface (i) Minimum frictional coefficient 0.6 (Supporting documents from Internationally certified agencies or NABL accredited labs in India for confirmation of minimum frictional coefficient of roller surface need to be provided). (ii) Service life: Minimum 25000 hrs (Self-declaration from OEM specifying required useful life of rollers without any damage need to be provided) (h) Measurement accuracy: within $\pm 2\%$ of the measured value

2	<b>Axle Weight Measurement</b>	<p>(a) Weighing scale for measurement of each axle weight is required. The system should determine this by adding together the axle weight, tare weight/ Kerb weight of the vehicle.</p> <p>Axle weight measurement system can be separate or integrated within either Suspension Tester or Roller Brake Tester equipment.</p> <p>(b) Measuring Range: 0-3000 kg</p> <p>(c) Resolution: 5kg</p> <p>(d) Accuracy: <math>\pm 1\%</math> of reading</p>	<p>(a) Weighing scale for measurement of each axle weight is required. The system should determine this by adding together axle weight, tare weight/ Kerb weight of the vehicle.</p> <p>Axle weight measurement system can be separate or integrated within Roller Brake Tester equipment.</p> <p>(b) Measuring range: 0-15000 kg</p> <p>(c) Resolution: 5 kg</p> <p>(d) Accuracy: <math>\pm 1\%</math> of reading</p>
3	<b>Suspension tester</b>	<p>(a) Amplitude of excitation: 6.5 mm <math>\pm</math> 5 mm</p> <p>(b) Measurement accuracy: <math>\pm 1\%</math> of wheel load</p>	
4	<b>Side slip tester</b>	<p>(a) Suitable dimension of track plate length, weight and height</p> <p>(b) Measuring range: <math>\pm 20</math> m/km</p> <p>(c) Measuring resolution: 1 m/km</p> <p>(d) Accuracy shall be <math>\pm 1.0</math>m/km</p>	<p>(a) Suitable dimension of track plate length, weight and height</p> <p>(b) Measuring range: <math>\pm 20</math> m/km</p> <p>(c) Measuring resolution: 1m/km</p> <p>(d) Accuracy shall be <math>\pm 1.0</math>m/km</p>
5	<b>Joint Play tester</b>	<p>(a) Maximum Force per plate is at least of 6 kN</p> <p>(b) Maximum movement on each side: 50 -80 mm (Hydraulic)</p>	<p>(a) Maximum Force per plate is at least of 30 kN</p> <p>(b) Maximum movement on each side: 100mm (Hydraulic)</p>
6	<b>Electronic Steering Gear Play Detector</b>	<p>(a) Capable of measuring angular movement up to <math>\pm 30^\circ</math></p> <p>(b) Recording mechanism to measure wheel movement against steering movement</p> <p>(c) Measurement accuracy: <math>\pm 2\%</math> of full-scale deflection</p>	<p>(a) Capable of measuring angular movement up to <math>\pm 30^\circ</math></p> <p>(b) Recording mechanism to measure wheel movement against steering movement</p> <p>(c) Measurement accuracy: <math>\pm 2\%</math> of full-scale deflection</p>
7	<b>Semi-Automatic Head light tester</b>	<p>(a) Light Intensity range measure (min): 0-100,000 cd</p> <p>(b) Illumination Intensity range measure: 0-200 lux</p> <p>(c) Headlight tester must have ability to autofocus and should be capable of measuring headlamp with their Centres 500mm to 1200 mm above ground level</p> <p>(d) Vertical and horizontal measuring range: <math>\pm 50</math> cm/10 m (<math>\pm 5\%</math>)</p> <p>(e) Intensity maximum deviation: <math>\pm 5\%</math> of reading.</p> <p>(f) Headlamp tester to be placed on a perfectly level surface/ rails.</p> <p>(g) Maximum deviation of inclination measurement (vehicle orientation): <math>\pm 0.1\%</math></p>	<p>(a) Light Intensity range measure: 0-100,000 cd</p> <p>(b) Illumination Intensity range measure: 0-200 lux</p> <p>(c) Headlight tester must have ability to autofocus and should be capable of measuring headlamp with their Centres 500mm to 1200 mm above ground level.</p> <p>(d) Vertical and horizontal measuring range: <math>\pm 50</math> cm/10 m (<math>\pm 5\%</math>).</p> <p>(e) Intensity maximum deviation: <math>\pm 5\%</math>.</p> <p>(f) Headlamp tester to be placed on a perfectly level surface/ rails.</p> <p>(g) Maximum deviation of inclination measurement (vehicle orientation): <math>\pm 0.1\%</math></p>
8	<b>Opacimeter</b>	<p>(a) Equipment to meet specifications as per MoRTH / Central Motor Vehicles Rules, 1989 / TAP 115 / 116 or AIS 137 (part 8)</p>	<p>(a) Equipment to meet specifications as per MoRTH / Central Motor Vehicles Rules, 1989 / TAP 115 / 116 or AIS 137 (part 8)</p>

9	<b>Exhaust gas analyzer</b>	<p>(a) The equipment should measure gas emissions of gasoline, CNG, LPG as per Central Motor Vehicles Rules, 1989 / TAP 115/116 or AIS 137 (part 8)</p> <p>(b) Threshold limits as per relevant provisions in rule 115</p> <p>(c) Measuring resolution to be as follows:(i) CO: 0.01% (ii) CO<sub>2</sub>: 0.1% (iii) HC: 1 ppm (iv) O<sub>2</sub>: 0.02% for measured values &lt;= 4% values &amp; 0.1% for measured values &gt;=4% (v) Lambda: 0.001 RPM counter: 10 rpm</p> <p>(d) The maximum deviation allowed in the rpm counter shall be <math>\pm 20</math> rpm or <math>\pm 2</math> % of the reading, whichever is greater.</p> <p>(e) Probe to be mechanically clamped to the tail pipe for suitable analysis of exhaust gas. Ambient air quality should not be disturbed due to exhaust gas emissions. Suitable mechanism to be incorporated for extraction of exhaust gas from the shed</p>	<p>(a) The equipment should measure gas emissions of gasoline, CNG, LPG as per Central Motor Vehicles Rules, 1989 / TAP 115/116 or AIS 137 (part 8)</p> <p>(b) Threshold limits as per relevant provisions in rule 115</p> <p>(c) Measuring resolution to be as follows: (i) CO: 0.01% (ii) CO<sub>2</sub>: 0.1% (iii) HC: 1 ppm (iv) O<sub>2</sub>: 0.02% for measured values &lt;= 4% values &amp; 0.1% for measured values &gt;=4% (v) Lambda: 0.001 RPM counter: 10 rpm</p> <p>(d) The maximum deviation allowed in the rpm counter shall be <math>\pm 20</math> rpm or <math>\pm 2</math> % of the reading, whichever is greater</p> <p>(e) Probe to be mechanically clamped to the tail pipe for suitable analysis of exhaust gas. Ambient air quality should not be disturbed due to exhaust gas emissions. Suitable mechanism to be incorporated for extraction of exhaust gas from the shed.</p>
10	<b>Speedometer Tester/ Speed Governor Tester</b>	<p>(a) Suitable dimension of track weight, roller diameter and axle separation, as per the Matrix given in clause (7) of this rule</p> <p>(b) Provision for lifting and braking of roller for easy exit of vehicle</p> <p>(c) Measuring range: 20 – 160 km/h</p> <p>(d) Resolution: 1 km/h</p> <p>(e) Accuracy: <math>\pm 1</math> % of indicated reading</p>	<p>(a) Suitable dimension of track weight, roller diameter and axle separation, as per the Matrix given in clause (7) of this rule</p> <p>(b) Provision for lifting and braking of roller for easy exit of vehicle</p> <p>(c) Measuring range: 25 – 100 km/h</p> <p>(d) Resolution: 1 km/h</p> <p>(e) Accuracy: <math>\pm 1</math> % of indicated reading</p>
11	<b>Sound level meter</b>	<p>(a) Recommended as per IEC 60651/ IEC 61672-1</p> <p>(b) Measuring level: <math>\geq 30</math>dB to <math>\leq 120</math>dB</p> <p>(c) Frequency A &amp; C</p> <p>(d) Accuracy: <math>\pm 1.5</math> dB</p> <p>(e) Tripod stand mounted</p> <p>(f) Build battery for power source of charging from outlet of 220V AC and USB</p> <p>(g) Resolution: 0.1 dB</p> <p>The location of the Sound Level Meter to be clearly marked on the test station.</p>	<p>(a) Recommended as per IEC 60651/ IEC 61672-1</p> <p>(b) Measuring level: <math>\geq 30</math>dB to <math>\leq 120</math>dB</p> <p>(c) Frequency A &amp; C</p> <p>(d) Accuracy: <math>\pm 1.5</math> dB</p> <p>(e) Tripod stand mounted</p> <p>(f) Build battery for power source of charging from outlet of 220V AC and USB</p> <p>(g) Resolution: 0.1 dB</p> <p>The location of the Sound Level Meter to be clearly marked on the test station.</p>
12	<b>OBD Scan Tool</b>	<p>(a) Compliant to: OBDII/EOBD/HD-OBD/WWH-OBD Scan-Tool in accordance with SAE J1979, SAE J1939 and ISO 27145</p> <p>(b) Must support all OBD modes</p> <p>(c) Diagnostics Communication mediums supported: KWP2000 (K-Line, CAN TP2.0 and ISO-CAN), UDS (ISO-CAN)</p>	<p>(a) Compliant to: OBDII/EOBD/HD-OBD/WWH-OBD Scan-Tool in accordance with SAE J1979, SAE J1939 and ISO 27145</p> <p>(b) Must support all OBD modes</p> <p>(c) Diagnostics Communication mediums supported: KWP2000 (K-Line, CAN TP2.0 and ISO-CAN), UDS (ISO-CAN)</p>

13	<b>Test Fingers (for Electric &amp; Hybrid-Electric Power train vehicles only)</b>	(a) IPXXB & IPXXD test fingers	(a) IPXXB & IPXXD test fingers
14	<b>Insulation Tester (for Electric &amp; Hybrid-Electric Power train vehicles only)</b>	(a) Rated measuring voltage: upto 1000V DC/AC (45 to 65 Hz) (b) Measuring range: 10k $\Omega$ to 100M $\Omega$ or better (c) Accuracy: upto 10M $\Omega$ $\pm$ 2% of reading & above 10M $\Omega$ $\pm$ 5% of reading	(a) Rated measuring voltage: upto 1000V DC/AC (45 to 65 Hz) (b) Measuring range: 10k $\Omega$ to 100M $\Omega$ or better (c) Accuracy: upto 10M $\Omega$ $\pm$ 2% of reading & above 10M $\Omega$ $\pm$ 5% of reading
15	<b>Free Roller Set (For Speedometer test on All Wheel Drive vehicles)</b>	(i) The device shall be portable to accommodate large variations in wheelbase of the vehicle (ii) It shall allow driven axels to turn without touching the floor. It shall be composed of a chassis with free turning wheels mounted onto it. (iii) The device shall be designed to ensure safety of nearby people and vehicles so a proper restraint system shall be proposed	
16	<b>Bogie Roller Set (For Roller Brake Test or Speedometer Test on multi-axle HCV with more than one live axle)</b>		(i) Proper braking mechanism for locking of rollers during exit of vehicle shall be provided (ii) The bogie rollers are to be suitably designed to accommodate varying distances between axles and are to be embedded suitably to test both brake and speedometer

#### Technical Specifications of equipment for testing Two Wheelers

17	<b>Roller brake tester</b>	<b>Parameter</b>	<b>Technical specifications</b>
		(a) Maximum load charge per wheel	1 T
		(b) Maximum measurable brake load	3 kN
		(c) Minimum Roller Diameter	suitable roller diameter to test all types of mopeds, scooters & motorcycles
		(d) Minimum Roller Separation	Suitable roller separation to test all types of mopeds, scooters & motorcycles
		(e) Minimum Roller Length	Suitable roller length to test all types of mopeds, scooters & motorcycles
		(f) Roller Surface – Minimum frictional coefficient	0.6
		(g) Roller Surface Service life	Min. 50000 hrs.
		(h) Brake load resolution	$\leq$ 10N
		(i) Brake load accuracy	$\pm$ 10N of measured value
		(j) Approximate testing speed	5 km/h

18	Semi-Automatic Headlight tester	Parameter	Technical specifications
		(a) Light Intensity range measure (min)	0 - 100000 cd
		(b) Illumination Intensity range measure	0-200 lux
		(c) Headlight tester capable of measuring headlamp with their Centre above ground level	240 mm to 1500 mm
		(d) Vertical and horizontal measuring Range	± 50 cm/10 m (±5 %)
		(e) Maximum deviation of intensity	± 5 % of reading
		(f) Headlamp tester to be placed on a perfectly level surface/ rails	
<b>Technical Specifications of equipment for testing Three-Wheeler</b>			
19	Toeing trolley or rail Trolley (For front wheel of 3-Wheeled vehicle)	(i) Toeing trolley should be capable of safe movement of front wheel of 3-wheelers by sliding over the inspection pit. (ii) Locking mechanism should be provided for loading & unloading of front wheel of 3-wheelers on the trolley.	

### 2.1.1 Minimum Information Technology hardware requirement

Sl. No.	Equipment	Specification
1	Server specifications	(a) Processor Type: Intel Xenon Scalable Processor V2 or better (b) Processor: Minimum of 12 cores/Processor or better (c) Memory: 64GB DDR3 or higher (d) Power supply: 650W Redundant power supply (e) Internal Storage: Enterprise SSD 7 TB or better (f) Hot swap or better
2	Desktop specifications	(a) Intel® 10th Generation Core™ i7 Processors or better (b) 3.0 GHz base frequency, or better (c) 1 TB SSD / NVMe drive (d) 8 GB 1333 MHz DDR3 SDRAM or better
3	Printer specifications	(a) Laser and duplex printer (Black and Colour) (b) PPM- 30 or better (c) Page size supported-A4, B5, A5, Legal, Letter, Statement, Executive, Government Letter, Government Legal, Foolscap, Indian Legal Custom (Minimum 76.2 x 210mm to Maximum 216 x 356mm) (d) Print resolution - 600 x 600dpi or better



4	Number Plate Reader Camera	(a) Frames per second: 50 (b) Megapixel: 2.0 or higher (c) On VIF Protocol (d) IP67
5	Speed dome Camera	(a) Image sensor 1/3 <sup>rd</sup> Progressive Scan CMOS (b) 20X optical or better / digital zoom camera (c) 30x motorized zoom lens and auto focus (d) Megapixel: 2.0 or higher (e) IP67 (f) IK10
6	Network VideoRecorder	(a) Multiplex recording schedule options: manual, alarm, motion detection, timing (b) Multiplex operation: live view, record, play back, backup and remotely control the system simultaneously (c) HDMI and VGA output simultaneously at up to 1080P resolution (d) H.265 High profile decoding, 2 SATA HDD interface: maximum 8TB storage capacity or more.
7	Other equipment required	a) Smart TV with CCTV viewer b) LCDs/LEDs for carrying out the tests
8	GPS enabled camera	(a) Resolution: Minimum 20 megapixels (b) Optical Zoom: 3x c) Special Features: Built-in Wi-Fi and GPS support (High sensitivity, high precision built-in GPS in Camera should allow users to tag images with GPS coordinates, recall shooting locations and even route travelled with its logging function).

## 7.1 FUNCTIONAL REQUIREMENTS

- (a) The Successful Bidder shall have total responsibility for the process including all phases of design, manufacture, assembly and functional testing of the equipment prior to shipment, installation, system checking and functional testing after installation for all its capabilities.
- (b) The inspection equipment to be installed is meant to check the correct functioning of all the components of the vehicles involved in the safety of the occupants and the compliance with the emission regulations including meeting all requirements of periodical technical inspection for roadworthiness for in-use vehicles as per Central Motor Vehicles Rule (CMVR),.
- (c) The test systems shall require flexibility to facilitate easy implementation of new test functionality, modifications for changes of the law and new vehicle functionality over the life of the test systems.

## 7.2 GENERAL PURPOSE OF THE INSPECTION LANE

The purpose of the testing lane is to perform all the tests needed in a standard vehicle inspection station including covering all CMVR requirements.

## 7.3 IT PLATFORM

The equipment described in this document shall comply with the following requirements:

- Selection of vehicle category as defined above such as 2w, 3W to Multi axle vehicles etc.
- Data Acquisition and results shall be performed directly by the equipment and its control

computer, and sent to a central storage PC for final evaluation without the intervention of the user

- All results shall be traceable, with information regarding the operator involved in each test and step of the inspection process
- The data and traceability shall be secured, and a record of the actions made and the results obtained shall not be editable and should be tamperproof.
- The storage of all data and results shall be secured, and shall not be physically accessible by the users/operators. The central server in the station should have access to all the data generated from the test lanes in a structured manner as may be decided by Transport Commissioner, Odisha from time to time.

Minimum hardware requirements: PC per Station, upgradability for additional lanes/test benches. LAN or higher communicating networks, server with sufficient and reliable storage capacity, Heavy duty printer/s for test report printing and Sticker printing etc. to be expandable.

Each station must have capability of reading RFID/smart card/equivalent device. Operation of the each test at every station must be remotely operated so as to minimize operator's physical movement. It should be part of lane operating software. The successful Bidder is required to discuss the detail requirement during design review.

Capability for fine tuning the test procedures shall be included. When access granted by the higher authority, calculations and procedures, limit values and all test parameters shall be customizable and storable.

For ease of operation, sequence of tests shall be the key to lane design.

Report generation based on all information available in the database shall be customizable by the Transport Commissioner, Odisha in a predefined format/preprinted stationary, for delivery to customer. Latest version of SQL needs to be provided for database management. The pre-defined format will be provided by Transport Commissioner, Odisha as per the requirement. This shall be provided during design review meeting. Test data need to be provided by test center operator to Transport Commissioner, Odisha as & when required.

Various MIS reports need to be generated for Transport Commissioner, Odisha. Format of these reports would be finalized during design review.

Advanced operations on the data management system shall be done from central server in a remote area. The system shall be based on the Windows Operating System. For the report generation printer shall be provided and the server room shall also have a printer.

The system shall be equipped with the data mining, data back-up and archiving capability.

The software shall have the calibration and maintenance plan for each equipment of the lane incorporated. The software shall display the same at the computer to inform the lane operator for the same in advance by display warning signals. The calibration data shall be stored in the central computer. All measurements shall be in Metric System. Measured value of each test to be provided in the test report along with permissible range.

The Bidder is expected to support Transport Commissioner, Odisha for the ATS layout diagram along with all the required equipment like RFID/Smart card Reader/Writer, PASS Sticker printing, individual PC at each test lane, CCTV, Audio paging at ATS, Operator ID and vehicle ID (RFID/ IR ) sensor at each station of lane, Digital Camera at test shed entry point, under body inspection, Hand Held Terminal (HHT) either wired or wireless, need to be communicated to the main control PC, central server and with sufficient storage system.

In the absence of dedicated cycle and procedures for loaded mode testing in Indian scenario, it

has been decided to incorporate dynamometers for load mode emission test at later stage in the same ATS. Therefore the Bidder is required to make provision for installation of dynamometers for load mode emission test one for HCV and one for LCV for ATS. The power absorption unit for loaded mode can be accommodated in the speedometer equipment pit.

Bidder is required to consider all of above equipment as per layout. Bidder is also required to give technical and financial details in technical and financial bid respectively.

The specifications of PC, Server, Printer, Number Plate Reader Camera, Speed Dome Camera, CCTV Camera, Network Video Recorder (NVR) etc. has been provided in “Section 7”.

#### 7.4 Calibration Equipment Set

(a) Calibration Equipment Set for existing installed equipment are available at the station. Minimum Two point calibration system shall be provided. All the lanes shall use the same calibrating devices. All the measuring equipment shall be calibrated.

(b) Bidder to provide calibration equipment and procedures for following:

- Emission measurement system for diesel/gasoline vehicles
- Roller brake tester
- Speedometer tester
- Head light tester
- Suspension tester
- Side slip tester
- Electronic Steering gear play measurement
- Axle weight measurement
- Sound level meter

(c) In any case the Bidder may suggest and justify any field calibration procedure for the above equipment. Since all calibration of the equipment will have to be done at the first instance during installation, above items would be required. Subsequently, if any of the calibrating equipment consumables in nature will have to be replenished by the Bidder as a part of the operation.

Calibration for Axle weight measurement by renting locally from local laboratories accredited to National or International standards is acceptable. Based on the equipment supplied for measurement of Steering gear play detection, Bidder should select, justify and provide calibration equipment for calibration of Steering gear play detector.

#### 7.5 Tyre pressure filler and indicator :

Technical specifications should be:

- Resolution: +/- 0.1 bar
- Accuracy:  $\pm 0.5$  % of Full Scale or better
- Full scale: at least 10.6 bar

#### 7.6 SOFTWARE

(a) In order to guarantee the certainty of the obtained values and to save the information, it is required that all the equipment which measure value is connected to the central unit. A device is considered automatically connected when the result of the test is automatically obtained, transmitted to the central unit and evaluated.

(b) The database must be stored in SQL data management software platform to enable easy exchange and analysis of data with other platforms. The Bidder should develop suitable software from time to time as required by Transport Commissioner, Odisha within overall objective of meeting the test requirements, the operation of the ATS and meeting all the requirement of regulating authorities.

(c) Each input, whether automatic or manual, shall be identified with the inspector's reference and stored together with all the results of the tests performed on the vehicle and it shall be transmitted automatically to the central unit. The inspection pass fail criteria of a test must be automatic and not editable by the inspector.

- (d) The following equipment shall be connected automatically to the central unit:
- Roller brake tester
  - Suspension tester
  - Side slip tester
  - Opacimeter / Exhaust gas analyzer
  - Speedometer
  - Head light tester
  - Sound level Meter
- (e) The software shall be able to receive the results from the following inspections that will be introduced manually in any computer in the lane or the central computer.
- Visual inspection
  - Any inspection not connected automatically.

The software shall verify the status of all the equipment and subsystems specified.

- (f) The software shall allow templates for easier preparation of the inspection. It shall also prepare the test file in XLS export file type or similar reports.
- (g) The software shall allow to view and to obtain a printout of the results of each test separately measured value of each test to be provided in the report. The printout and the software operation shall be developed as required by Transport Commissioner, Odisha from time to time.
- (h) For each test the information shall be recorded and it shall be available from all the computers in the station along with the access control.
- (i) The Bidder shall provide one computer per phase to be installed in the inspection zone. The Bidder shall provide a central unit and the network that links all the computers in the station.

## 7.7 SAFETY SYSTEMS

### a) Personal safety systems

All the equipment supplied shall be equipped with all the safety protections required for the normal usage of the equipment and for the security of the people who work in each machine. All the essential safety devices such as Safety protection in respect of single phase failure, phase sequence change, surge protection, under & over voltage protection etc., has to be provided by the Successful Bidder at each console unit. Safety devices can be installed after LT panel, so that, phase change or single phasing should only affect working of 3-phase equipment & not all the equipment. Other safety items must be provided by Bidder to safeguard their equipment against surge voltage including frequency corrector, Hi/Lo voltage corrector etc.

### b) Power cut-off protection device

The safety procedure should take into account the fact of the power cut-off. In the case of occurring during a test measurement, the system shall be able to resume the test once electrical supply is back without any data loss. The three phase motors must have protection device like single phasing, reverse protection system. The surge voltage and frequency protection device must also be installed.

## 7.8 SMART TV WITH CCTV VIEWER INSTALLED TO VIEW CCTV DISPLAY:

- a) 40" LED Full FHD monitors / TV,
- b) minimum brightness 350 nits,
- c) Contrast ratio - 5000 : 1,
- d) Input ports - VGA, HDMI,
- e) External Control - RS 232 / RJ 45, RoHS compliance,
- f) Suitable for 24 x 7 operation

## 7.9 CCTV Specifications:

### 4MP IR Bullet Camera:

**a. Camera:**

- Image Sensor: 1/3" Progressive Scan CMOS
- Min. Illumination: Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
- Shutter Speed: 1/3 s to 1/100,000 s
- Wide Dynamic Range: 120dB
- Day & Night: IR Cut Filter
- Angle Adjustment: Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°

**b. Lens**

- Focus: Fixed
- Lens Type: 2.8/4/6/8 mm
- FOV: 2.8 mm, horizontal FOV: 103°, vertical FOV: 58°, diagonal FOV: 123°, 4 mm, horizontal FOV: 83°, vertical FOV: 45°, diagonal FOV: 99°, 6 mm, horizontal FOV: 51°, vertical FOV: 29°, diagonal FOV: 58°, 8 mm, horizontal FOV: 39°, vertical FOV: 22°, diagonal FOV: 45°
- Aperture: F1.6
- Lens Mount: M12
- Aperture Type: Fixed

**c. Illuminator**

- IR Range: Up to 30 m
- Wavelength: 850nm

**d. Video**

- Max. Resolution: 2688 × 1520
- Main Stream:
  - 50Hz: 25fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720)
  - 60Hz: 30fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720)
- Sub Stream: 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240), 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
- Third Stream: 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288), 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
- Video Compression: Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264
- Video Bit Rate: 32 Kbps to 16 Mbps
- Scalable Video Coding (SVC): H.264 and H.265 encoding

**e. Audio**

- Audio Sampling Rate: 8kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
- Audio Compression: G.711/G.722.1/G.726/MP2L2/PCM
- Audio Bit Rate: 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)

**f. Network**

- Simultaneous Live View: Up to 6 channels
- API: ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
- Protocols: TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS,
- IPv6, UDP, Bonjour, SSL/TLS
- User/Host: Up to 32 users
- Security: Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
- Network Storage: Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS, SMB/CIFS), ANR
- Web Browser: Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
- Alarm Trigger: Motion detection, video tampering, network disconnected, IP address

conflict, illegal login, HDD full, HDD error

**g. Image**

- Day/Night Switch: Day/Night/Auto/Schedule/Triggered by Alarm In (- S)
- DNR: 3D DNR
- Image Enhancement: BLC/3D DNR/HLC
- Image Settings: Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance

**h. Interface**

- Audio: 1 input (line in/mic in), 1 output (line out), terminal block, mono sound
- Alarm: 1 input, 1 output (max. 12 VDC, 30 mA), terminal block
- Video Output: No
- On-board Storage: Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
- Hardware Reset: Yes
- Communication Interface: 1 RJ45 10M/100M self-adaptive Ethernet port

**i. General**

- Operating Conditions: 10°C to 60°C, Humidity 95% or less (non- condensing)
- Power Supply: 12 VDC  $\pm$  25%,  $\Phi$  5.5 mm coaxial power plug, PoE (802.3af, class 3)
- Protection: IK10, IP67
- Certifications: UL, CE, FCC

**7.10 LEDS SCREENS/ MONITORS**

- a) Display shall guide the operator for carrying out the test and no test results /pass or fail shall be displayed.
  - b) The details can be discussed during design review.
  - c) Display size to be such that the vehicle driver will be able to view the instruction comfortably. 32 inches LED screen is required.
  - d) Bidder should decide number of LED Displays required depending on the test stages.
-

## SECTION – 7A: LIST OF TESTS

(Rule 189 of CMVR, 1989)

### 1. Tests to Be Conducted at Automated Testing Station :

(1) The grant and renewal of certificate of fitness to the vehicles as per characteristics given in table-H in sub-rule (7) of rule 190 (also provided in Section 8 of this RFB) shall be made only after carrying out the checks and tests as prescribed in rule 189 of CMVR 1989, as amended, namely:-

Sl. No.	Item	Auto-mated Test (Yes/No)	Check Fitment (Yes/No)	Visual Check/ Functional Test	Reference Rules / Standards for more details	Notes for information
(1)	(2)	(3)	(4)	(5)	(6)	(7)
(1)	Headlamp dipped Beam	Yes	No	Functional	AIS-128	Functional test requirements: Horizontal cut off of passing beam shall always be below headlamp centreline and the deviation shall be within 0.5% to 2.5%.
(2)	Headlamps Assembly	No	Yes	Visual	rule 105 and AIS-008 or AIS-008 (Rev.1) and AIS- 009 or AIS-009 (Rev.1)	Visual inspection parameters: (i) Bulb should be working; (ii) Head lamp operating switch working; (iii) No broken lens; (iv) Lens of the lamp should not be painted with colour OR pasted with sticker (v) No moisture deposition on the inside surface of the lens.
(3)	Lights					
	(a) Top Lights	No	Yes	Visual	rule 107, 108 and AIS:008 or AIS-008 (Rev.1)	Visual inspection parameters: (i) Coloured lens shall not be faded; (ii) Lens should not be broken; (iii) Lamp shall be working; (iv) For the lamps with dual coloured lens, red lens shall be oriented towards rear and white shall be towards front; (v) No moisture deposition on the inside surface of the lens; (vi) Secured fitment of the lamps.
	(b) Stop Lights	No	Yes	Visual	rule 102 and AIS-008 or AIS-008 (Rev.1) and AIS-009 or AIS-009 (Rev.1)	Visual inspection parameters: (i) Coloured lens shall not be faded; (ii) Lens should not be broken; (iii) Lamp shall be working on actuation of the brake;
					(Rev.1)	(iv) No moisture deposition on the inside surface of the lens; (v) Secured fitment of the lamps.

(c) Parking Lights	No	Yes	Visual	rule 109 and AIS-008 or AIS-008 (Rev.1) and AIS- 009 or AIS-009 (Rev.1)	Visual inspection parameters: (i) Colored lens shall not be faded; (ii) Lens should not be broken; (iii) Lamp shall be working; (iv) No moisture deposition on the inside surface of the lens; (v) Secured fitment of the lamps.
(d) Fog Lamps (if fitted)	No	Yes	Visual	AIS-008 or AIS-008 (Rev.1)	Visual inspection parameters: (i) Coloured lens shall not be faded; (ii) Lens should not be broken; (iii) Lamp shall be working; (iv) No moisture deposition on the inside surface of the lens; (v) Secured fitment of the lamps.
(e) Warning Lights in Ambulance	No	Yes	Visual	rule 108 and AIS-125(Part 1)	Visual inspection parameters: (i) Coloured lens shall not be faded; (ii) Lens should not be broken; (iii) Lamp shall be working; (iv) No moisture deposition on the inside surface of the lens; (v) Secured fitment of the lamps.
(f) Number Plate Light	No	Yes	Visual	rule 108 and AIS-008 or AIS-008 (Rev.1) and AIS- 009 or AIS-009 (Rev.1)	Visual inspection parameters: (i) White light shall be used for illuminating number plate; (ii) Lens should not be broken; (iii) Lamps shall be working; (iv) No moisture deposition on the inside surface of the lens; (v) Secured fitment of the lamps.
(g) End-Outline Marker Lamps	No	Yes	Visual	AIS-008 or AIS-008 (Rev.1)	Visual inspection parameters: (i) Ensure secured fitment of end-outline marker lamps; (ii) Coloured lens shall not be faded; (iii) Lens should not be broken; (iv) No moisture deposition on the inside surface of the lens; (v) Red coloured lens shall face towards rear and white lens to the front.
(h) Direction Indicators	No	Yes	Visual	rule 102 and AIS:008 or AIS-008 (Rev.1) and AIS- 009 or AIS-009 (Rev.1)	Visual inspection parameters: (i) Flashing light emitted shall be Amber in colour; (ii) Lens should not be broken; (iii) Lamps shall be working; (iv) No moisture deposition on the inside surface of the lens;
					(v) Secured fitment of the lamps.





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	(i) Hazard Warning Signal lamp	No	Yes	Visual	AIS:008 or AIS-008 (Rev.1) and AIS- 009 (Rev.1)	Visual inspection parameters: (i) Flashing light emitted shall be Amber in colour; (ii) Ensure simultaneous operation of all direction indicator lamps by use of switch.
(4)	Suppressor cap/ High Tension cable	No	Yes	Visual	-	Visual inspection parameters: (A) Suppressor Cap: (i) Suppressor cap shall be in good condition (B) High Tension Cable: (i) High Tension cable shall be properly insulated; (ii) Proper terminal connections shall be made on both sides of High-Tension cable.
(5)	Rear View Mirrors	No	Yes	Visual	rule 125(2) and AIS-002 (Part-1) & (Part-2) (Rev. 1)	Visual inspection parameters: Ensure fitment of required class of the mirror as per AIS 002 (Part-1) / (Part-2) (Rev-1);  Symbol I / II / III / IV / V / VI / VII specifying the class to which the type of mirror belongs shall be ensured on the mirror marking; Secured fitment of mirrors in good condition.
(6)	Safety Glass (Windscreen)	No	Yes	Visual	(a) rule 100 and IS:2553 (Part 2) (b) Bureau of Indian Standards license marking for the vehicles registered from 1st April, 2021.	Visual inspection parameters: (i) Except the glass area covered by stickers such as FasTag / Permits / Badges, the windscreen glass shall be transparent; (ii) the laminated safety glass for windscreen application shall bear clear and indelible 'LW' or 'II' or IV or II/P marking in addition to the trademark or manufacturer 's logo as specified in IS:2553 (Part 2); (iii) Glass shall not be damaged/cracked; Coloured films shall not be pasted on the glass.
(7)	Horn	No	Yes	Visual and Functional	IS-1884, rule 119and IS- 15796	(1) Visual inspection parameters: (i) Multi-toned horn giving a succession of different notes or with any other sound producing device giving an unduly harsh, shrill, loud or alarming noise shall not be used; (ii) Horn shall be securely fitted; (iii) Horn shall be functioning;
						(2) Functional test requirements: (i) Sound pressure level of the horn installed on the vehicle shall be as per IS: 15796.
(8)	Silencer					

	(a) Silencer	No	Yes	Visual	rule 120 and IS10399:1998	Visual inspection parameters: (i) Ensure no leakage; (ii) Secured fitment of silencer; (iii) Silencer shall not be excessively rusty or damaged; Functional test requirements: (i) Stationary noise test as per IS10399:1998
	(b) Exhaust Noise Test (dB)	No	No	Functional		
(9)	Windscreen Wiper					
	(a) Windscreen Wiper Blades	No	Yes	Visual	rule 101, AIS-045, IS: 15804 and IS: 15802	Visual inspection parameters: (i) Ensure presence of wiper blades; (ii) Wiper blade shall be in good condition.
	(b) Windscreen Wiper System	No	Yes	Functional	rule 101, AIS-045, IS: 15804 and IS: 15802	Visual inspection parameter: (i) Ensure operation of each wiper arm(s) to cover maximum area of the windscreen; (ii) In split type windscreen for vehicles other than three- wheelers, wiper shall be operable for each windscreen; Wiper shall be securely fitted.
(10)	Dashboard Equipment	No	Yes	Visual	AIS-071 (Part 1)	Visual inspection parameters: (i) Ensure secured mounting; (ii) Wiring shall be insulated; (iii) Dashboard illumination shall be functioning; (iv) Warning lights for ABS, lights, brake system, battery charging, OBD or engine malfunction, fuel label, engine oil pressure, engine coolant temperature shall not remain illuminated.
(11)	Exhaust					
	(a) Exhaust gas emission – CO%	Yes	No	Functional	Rule 115 (2) (i) - TABLE	Applicable for Petrol/CNG/LPG driven vehicles
	(b) Exhaust gas emission – HC (ppm)	Yes	No			
	(c) Exhaust gas emission (High idle emission) – CO%	Yes	No		Rule 115 (2) (i) - TABLE A	Applicable for petrol driven 4-Wheeler vehicles manufactured as per BS IV or BS VI norms and petrol driven 3-Wheeler vehicles manufactured as per BS VI norms
	(d) Exhaust gas emission (High idle emission) – Lambda	Yes	No			
						Applicable for petrol/CNG/LPG driven 4-Wheeler vehicles manufactured as per BS IV or BS VI norms and petrol/CNG/LPG driven 3-Wheeler vehicles manufactured as per BS VI norms

	(e) Smoke Density (Free Acceleration test applicable for Diesel vehicles)	Yes	No	Functional	Rule 115 (2) (ii) - TABLE	Applicable for Diesel vehicles
(12)	Braking System					
	(a) Service Brakes	Yes	Yes	Visual and Functional	AIS-128	(1) Visual inspection parameters: (i) Fittings shall be secured; (ii) Brake hoses shall not be damaged or cracked; (iii) No leakage of brake fluid. (2) Functional test requirements for service brakes: Braking efficiency measured on roller brake tester should be at least 27.23%.
	(b) Parking Brakes	Yes	Yes	Visual and Functional		
(13)	Steering Gear	Yes	Yes	Functional	rule 98	Functional test requirements: Back-lash / Free play in steering gear shall not be more than 30 degrees.
(14)	Side Slip Test (This test applies to all categories of vehicles except 3-wheelers)	Yes	No	Functional	As per specification	
(15)	Suspension Test (Applicable for vehicles having GVW upto 3.5 ton excluding 3-wheelers)	Yes	No	Functional	-	Functional test requirements: No significant difference between suspension system efficiency of left and right side of vehicle.
(16)	Joint Play Test	No	Yes	Visual and Functional	-	Visual inspection parameters: <b>(A) Suspension system:</b> (i) Ensure secured attachment of springs and shock absorbers to chassis or axle; (ii) Springs shall not be damaged or fractured; (iii) Shock absorber dampers shall not have any oil leakage; (iv) Excessive wear shall not happen in swivel pin or bushes or at suspension joints; (v) In case of Air suspension, ensure no audible system leakage

						<p><b>(B) Axle:</b></p> <p>(i) Secured fixing to the vehicle;</p> <p>(ii) Axle shall not be fractured or deformed;</p> <p>(iii) Excessive wear shall not happen in the swivel pin or bushes.</p> <p><b>(C) Steering System:</b> Check for tie rod ends play or loose joints /bushes etc.</p>
(17)	Speedometer					
	(a)Speedometer	Yes	Yes	Visual	rule 117 and IS-11827-2008	Visual inspection parameters: (i) Securely fitted; (ii) Sufficiently illuminated; (iii) Dial cover shall not be broken; (iv) Indicator needle operational.
	(b)Speedometer Test (For E-rickshaw or E-cart)	Yes	No	Functional	As per specification	The vehicle shall be driven in unladen condition (with full charge and at full accelerator position) on straight, flat road or roller and when the vehicle attains full speed, the maximum speed shall be calculated by measuring time taken to travel fixed distance (viz 50 metres). Maximum speed of the vehicle shall not be more than 25 km/hr.
(18)	Rear under run protection device (RUPD) for N2, N3, T3and T4	No	Yes	Visual	rule 124 (1A) and IS-14812-2005	Visual inspection parameters: (i) Rear Under ride ProtectionDevice shall be fitted; (ii) Rear Under ride ProtectionDevice shall not be cracked, corroded or damaged; (iii) Ensure that ground clearance and dimensions of Rear Underride Protection Device shall be as per IS-14812-2005.
(19)	Lateral under run protection device (LUPD) for N2, N3, T3and T4	No	Yes	Visual	rule 124 (1A) and IS-14682-2004	Visual inspection parameters: (i) Lateral under run protection device shall be fitted (ii) Lateral under run protection device shall not be cracked, corroded or damaged (iii) Ensure that dimensions of Lateral under run protection device shall be as per IS-14682-2004.
(20)	FASTag	No	Yes	Visual	rule 138 (A)	Visual inspection parameters: (i) To be affixed on the front windscreen; (ii) FASTag shall not be damaged.
(21)	Priority Seats, Signs, securing	No	Yes	Visual	sub-rules (1) and (7) of	Visual inspection parameters: (i) Buses fitted with a priority seat

	of crutches/ canes/walker, hand rail/stanchions, controls at priority seats for differently abled passengers and passengers with reduced mobility				rule 125C, AIS-052 (Rev. 1) and AIS- 153	shall have pictogram(s) visible from the outside, both on the front nearside of the bus and adjacent to the relevant service door(s); (ii) A pictogram shall be placed internally adjacent to the priority seat; (iii) All Type I buses shall have at least two passenger seats in case of Mini and Midi buses and four passenger seats in case of other buses designated as priority seats for persons with disabilities; (iv) Priority seats shall be only of the forward-facing type and preferably be located behind the driver's seat; (v) The priority seats shall be provided with appropriate facility for securing the crutches, canes, walkers etc. to facilitate convenient travel for persons with disabilities; (vi) Handrails or stanchions shall be provided at the entrance of all Type I buses; (vii) All Type I NDX buses shall be provided with controls adjacent to priority seats for requesting stops and which alert the driver that a mobility aid user wishes to disembark; (viii) Communication devices shall be placed adjacent to any priority seat.
(22)	Wheel chair entry/housing/ locking arrangement for wheel chair for differently abled passengers and passengers with reduced mobility	No	Yes	Visual	sub-rules (1) and (7) of rule 125C, AIS-052 (Rev. 1) and AIS-153	Visual inspection parameters: (i) Buses fitted with a wheelchair space shall have pictogram(s) visible from the outside, both on the front nearside of the bus and adjacent to the relevant service door(s); (ii) One of the pictograms shall be placed internally adjacent to each wheelchair space indicating whether the wheelchair is to be positioned facing the front or the rear of the bus; (iii) Wheelchair space shall be provided with a restraint system capable of restraining the wheelchair and the wheelchair user; (iv) Ensure sufficient space available for the Wheelchair user to maneuver without the assistance of

						a person; (v) Vehicles of Type I shall have identified area to accommodate at least one wheelchair user; (vi) Communication devices shall be placed within identified wheelchair area.
(23)	Vehicle Location Tracking (VLT) Device	No	Yes	Visual	AIS-140	Visual inspection parameters: (i) Vehicle Location Tracking shall be installed; (ii) Emergency alarm button shall be working.
(24)	High Security Registration Plate (HSRP)	No	Yes	Visual	rule 50 and AIS-159	Visual inspection parameters: (i) High Security Registration Plates installed at the front & rear of the vehicle; (ii) Securely fixed.
(25)	Battery	No	Yes	Visual	-	Visual inspection parameters: (i) Secured mounting; (ii) Ensure no leakage; (iii) Ensure top is clean, dry, free of dirt and grime.
(26)	Safety belt (Seatbelt)	No	Yes	Visual	rule 125(1-A) and AIS- 015 or IS 15140:2003	Visual inspection parameters: (i) Mandatory safety belts shall be available and securely fitted; (ii) Safety belts shall not be damaged; (iii) Safety belt anchorage shall not be loose; (iv) Seatbelt reminder system, if available, should be functioning; (v) G-lock of seatbelt should be functioning.
(27)	Speed Governor	Yes	Yes	Visual and Functional	rule:118 and AIS-018	(1) Visual inspection parameters: (i) Securely fitted; (ii) Speed governor shall be sealed; (iii) Electrical wirings of speed governor shall not be disconnected; (2) Functional test requirements: (i) 80 km/hr for every transport motor vehicle of category M and N manufactured on or after 01 <sup>st</sup> Oct, 2015; (ii) For transport vehicles manufactured on or after 01 <sup>st</sup> October, 2015 that are dumpers, tankers, school buses, those carrying hazardous goods or any other category of vehicles, as may be specified by the Central Government by notification, the maximum speed limit is 60 km/hr

						or any other speed as specified by the State Government.
(28)	Spray Suppression Devices	No	Yes	Visual	AIS-013 (Rev. 1)	Visual inspection parameters: Ensure presence of securely fitted spray suppression devices.
(29)	Tyres	No	Yes	Visual	rule 94 and 95	Visual inspection parameters: (i) Tyres shall not have any serious damage (patched or repaired by an outside gaiter patch other than a vulcanized repair) or cut; (ii) The Non-Skid Depth (NSD), shall not be less than 0.8 mm in the case of three wheelers, quadricycle, E-rickshaw and E-Cart and 1.6 mm in the case of other motor vehicles, below the Tread Wear Indicator (TWI) embedded in tyres at the time of manufacture; (iii) Tyres shall be properly inflated; (iv) Tyres shall not show signs of incipient failure by local deformation or swelling; (v) Tyre casing fabric shall not be exposed due to wear of the tread or by any unvulcanised cut or abrasion in any of its parts; (vi) Temporary spare wheel or tyre puncture repair kit shall be available.
(30)	Retro-Reflector and reflective tapes	No	Yes	Visual	rule: 104, AIS-090 and AIS- 037, AIS- 057 and AIS-057 (Rev.1)	Visual inspection parameters: <b>(A) Reflectors</b> (i) Ensure presence of clean reflectors; (ii) Secured fitment of reflectors; (iii) Reflectors shall not be in damaged condition; (iv) Ensure that colour of reflectors shall be as per rule 104 i.e., red colour to the rear or white to the front. <b>(B) Reflective Tapes –</b> (i) Ensure presence of clean reflective tapes; (ii) Securely pasted to vehicle body; (iii) Ensure that size, colour and location of reflective tapes shall be as per rule 104; (iv) Reflective tapes shall not be damaged; (v) The marks shall be visible, clearly legible on the outside of the marking material and shall be indelible.

<b>Additional tests to be conducted on Electric Vehicles (EV) &amp; hybrid-electric power train vehicles</b>						
(31)	Protection against electric shock. (For electric & hybrid electric power train vehicles only) if system voltage is >60 V DC or 30 V AC)	No	No	Visual and Functional	AIS-038 (Rev.1) and (Rev. 2) as amended from time to time	(1) Visual inspection parameters: (i) Ensure access probe shall not touch live parts; (ii) In the case of the test for IPXXB in the areas other than passenger compartment or luggage compartment, the jointed test finger may penetrate to its 80 mm length, but the stop face (diameter 50 mm x 20 mm) shall not pass through the opening; (iii) In case of the tests for IPXXD inside the passenger compartment or luggage compartment, the access probe may penetrate to its full length, but the stop face shall not fully penetrate through the opening. (2) Functional test requirements: (i) When the requirements of IPXXB and IPXXD are verified by a signal circuit between the probe and live parts, ensure that the lamp shall not light
(32)	Insulation Resistance Measurement Test (For Electric vehicles & hybrid electric power train vehicles only) If system voltage is > 60 V DC or 30 V AC	No	No	Functional	AIS-038 (Rev.1) and (Rev. 2) as amended from time to time	Functional test requirements: (i) Insulation resistance measured should be greater than 500Ω/V. (ii) The measurement of test parameters may be automated while test set-up is manual
(33)	State of Charge (SOC) Indicator on Dashboard (For Electric vehicles only)	No	Yes	Visual	AIS-038 (Rev.1)	Visual inspection parameters: (i) Manufacturer supplied SOC indicator shall be in working condition to see charging status of Battery.
<b>Tests to be conducted on Two Wheelers</b>						
(34)	Headlight	Yes	Yes	Functional and Visual	AIS-009 (Rev.1): 2011, Clause no. 6.2.5.2	The vertical inclination of the passing beam headlamp shall remain between - 0.5% and - 2.5%, except in the case where an external adjusting device is present.
(35)	Emission					
	(a) Exhaust gas emission – CO%	Yes	No	Functional	Rule 115 (2) (i) – TABLE	



	(b) Exhaust gas emission – HC (ppm)	Yes	No	Functional		
	(c) Exhaust gas emission (High idle emission) – CO%	Yes	No	Functional	Rule 115 (2) (i) - TABLE A	Applicable for petrol driven 2-Wheeler vehicles manufactured as per BS VI norms
	(d) Exhaust gas emission (High idle emission) – Lambda $\lambda$	Yes	No	Functional		Applicable for petrol/CNG/LPG driven 2-Wheeler vehicles manufactured as per BS VI norms
(36)	Braking System	Yes	Yes	Functional		
<b>Additional tests to be conducted on Two-Wheeler Electric Vehicles</b>						
(37)	Protection against electric shock (For electric vehicles only) If system voltage is > 60 V DC or 30 V AC	No	No	Visual and Functional	AIS-038 (Rev.1) and (Rev. 2) as amended from time to time	(1) Visual inspection parameters: (i) Ensure access probe shall not touch live parts; (ii) In the case of the test for IPXXB in the areas other than passenger compartment or luggage compartment, the jointed test finger may penetrate to its 80 mm length, but the stop face (diameter 50 mm x 20 mm) shall not pass through the opening; (iii) In case of the tests for IPXXD inside the passenger compartment or luggage compartment, the access probe may penetrate to its full length, but the stop face shall not fully penetrate through the opening. (2) Functional test requirements: (i) When the requirements of IPXXB and IPXXD are verified by a signal circuit between the probe and live parts, ensure that the lamp shall not light
(38)	Insulation Resistance Measurement Test (For Electric vehicles only) If system voltage is > 60V DC or 30V AC	No	No	Functional	AIS-038 (Rev.1) and (Rev. 2) as amended from time to time	Functional test requirements: (i) Insulation resistance measured should be greater than 500 $\Omega$ /V. (ii) The measurement of test parameters may be automated while test set-up is manual
<b>Additional tests to be conducted on Vehicles other than Two Wheeler and Three Wheeler</b>						
(39)	Malfunction Indicator Lamp - MIL (part of OBD Scan Tool)	No	No	Visual	As per CMVR 1989	If MIL is —Onl, it indicates the emission circuit discontinuity.



Notes.

- (1) The vehicle that fails any of the above tests, except serial numbers 14, 15, 16, 17(a) and 39 (which are only for information purpose, informing about the health of the vehicle to the owner), shall be declared Unfit. The registered owner or authorized signatory of the vehicle shall have an opportunity to apply for a re-test within thirty days of such result, after getting the defect specified in the test report of initial inspection, rectified. Such vehicle shall be re-tested only for the test(s) which it failed during initial inspection.
- (2) During the initial inspection, if the vehicle fails any of the tests as specified in serial number (1), (11), (12(a)), (13), 17(b), (31), (32), (34), (35), (37) and (38) and is not re-tested within thirty days of such result, such vehicle shall be declared as End-of-Life Vehicle (ELV).
- (3) During re-test, if the vehicle passes all the tests failed in initial test, it will be declared Fit. However, as a result of the re-test, if the vehicle fails any of the tests as specified in serial number (1), (11), 12(a), (13), 17 (b), (31), (32), (34), (35), (37) and (38), as the case may be according to the type of the vehicle, such vehicle shall be declared as End-of-Life Vehicle (ELV). In case, during the re-test, a vehicle fails any test, except the tests specified in serial numbers 14, 15, 16, 17(a) and 39 of Table-D, such vehicle shall be declared as Unfit.
- (4) In case the retest (partial or complete test) is ordered by the Appellate Authority and,—
  - (i) if the vehicle fails any of the test(s) as specified in serial number (1), (11), (12(a)), (13), (17(b)), (31), (32), (34), (35), (37) and (38), such vehicle shall be declared as End-of-Life Vehicle (ELV).
  - (ii) If the vehicle fails any of the test(s) other than those listed in (i) above and except serial numbers (14), (15), (16), (17(a)) and (39) (which are only for information purpose), such vehicle shall be declared as Unfit.
  - (iii) If the vehicle passes all the tests (except serial numbers (14), (15), (16), (17(a)) and (39), which are only for information purpose), such vehicle shall be declared as Fit.
- (5) Reference and Standards quoted under column (6) against each item are indicative that the provisions exist under the Central Motor Vehicles Rules, 1989 and concerned Automotive Industry Standards /Indian Standards, except serial numbers (14), (15), (16), (17(a)) and (39), which are to inform the registered owner or authorised representative about the health of the vehicle. These are valid as on date and shall be applicable as amended from time to time

- (2) Visual checks (Interior and exterior vehicle checks) to be carried out before moving the vehicle to the test lane.
- (3) The test lanes at an automated testing station may be segregated into three stations, to balance activities and following tests may be conducted at each station as per the table-E given below :-

Station-1	Station-2	Station-3
<ul style="list-style-type: none"> <li>● RFID Authentication of Operator</li> <li>● Emission Test</li> <li>● Horn Test</li> <li>● Exhaust Noise Test</li> <li>● Speedometer Test</li> <li>● Speed Governor Test</li> </ul>	<ul style="list-style-type: none"> <li>● RFID Authentication of Operator</li> <li>● Side Slip Test</li> <li>● Front &amp; Rear Suspension Test</li> <li>● Service Brake &amp; Parking Brake Test</li> </ul>	<ul style="list-style-type: none"> <li>● RFID Authentication of Operator</li> <li>● Under Body Visual Inspection using Axle play detector</li> <li>● Steering Angle test</li> <li>● Head Light Test</li> </ul>

(4) Test equipment arrangement/sequence for 2W Lane

Station-1	Station-2



**RFB for I&C Cuttack up-gradation to ATS, Establishment of Two wheeler test lane and operation of ATS**

<ul style="list-style-type: none"> <li>• RFID Authentication of Operator</li> <li>• Emission Test</li> </ul>	<ul style="list-style-type: none"> <li>• RFID Authentication of Operator</li> <li>• Brake Test</li> <li>• Head Light Test</li> </ul>
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The operator may choose a different combination of tests (as mentioned in above table) to be conducted at each station in a lane, depending on layout of lanes and throughput.

- (5) All stations shall have the capability of accepting login and password, reading Radio Frequency Identification, smartcard or any equivalent device and the tests shall be operated remotely so as to minimize any manual intervention.
- (6) All Visual checks conducted on a vehicle in an Automated Testing Station shall be photographed using a mobile device and the record of the same shall be preserved for at least six months for audit and assessment purposes.
- (7) *If any discrepancy between list of tests mentioned in this RFB and those provisioned in the CMVR 1989 occurs, the latter will prevail.*

**Test Report format**

**Name, logo & details of the ATS Operator**

<div style="border: 1px solid black; padding: 5px; min-height: 40px;">QR Code</div>	<p align="right">&lt;GPS coordinated date and time&gt;</p> <p align="center">&lt;Picture of the Registration Plate of the Vehicle&gt;</p>
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General Details of Automated Testing Station								
Registration no.	Location			Operating Agency Name	Test no.	Date of Test (DD-MM-YY)	Time of Test	Test Status (Initial Test/ 1 <sup>st</sup> Re-Test / 2 <sup>nd</sup> Re-test <sup>(1)</sup> )
	RTO	District	State					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

<b>Due Date of Fitness test/ Re-test</b>	
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Details of Vehicle										
Registration no.	Vehicle Class	Make	Model	Engine Number	Chassis Number	Fuel Type	Emission Norms	Speed Governor number (if any)	GVW (kg)	Year of Mfg.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

## 2. Automated Equipment Calibration Details

Sl. No.	Name of Equipment	ID. No.	Calibration Frequency	Date of Last Calibration
(1)	(2)	(3)	(4)	(5)
1	Roller Brake Tester			
2	Equipment for Axle Weight Measurement			
3	Suspension Tester			
4	Side Slip Tester			
5	Joint Play Tester		NA	NA
6	Electronic Steering Gear Play Detector			
7	Headlight Tester (Semi-automatic / fully automatic)			
8	Opacimeter / Smoke meter			
9	Exhaust Gas Analyzer			
10	Speedometer/ Speed Governor Tester			
11	Sound level meter			
12	Test fingers		NA	NA
13	Insulation Tester			
14	Malfunction Indicator Lamp - MIL (part of OBD Scan Tool)		NA	NA

### 1. Inspection Result(a) For Quadricycles, Light, Medium & Heavy Motor Vehicles

Sl. No.	Name of Test	As per rule 189 Table D	Applicable (Yes/No)	Recorded Value / Observation	Result (P-Pass / F-Fail)
(1)	(2)	(3)	(4)	(5)	(6)
<b>Part A: Automated Tests – Defining ELV or Fitness</b>					
1	(a) Left headlamp dipped beam vertical deviation (%)	1 (a)			
	(b) Right headlamp dipped beam vertical deviation (%)	1 (b)			
2	(a) Exhaust gas emission – CO%	11 (a)			
	(b) Exhaust gas emission – HC (ppm)	11 (b)			
	(c) Exhaust gas emission (High idle emission) – CO%	11 (c)			
	(d) Exhaust gas emission (High idle emission) – Lambda $\lambda$	11 (d) (iv)			
	(e) Smoke density ( $m^{-1}$ )	11 (e)			
3	Service brake efficiency (%)	12 (a)			
4	Steering gear free play (degrees)	13			
<b>Part B: Automated Tests – Defining Fitness</b>					
5	Speed Governor	27			

**Part C: Automated Tests – Additional information about health of the vehicle**

6	Side Slip Test	14			NA
7	Suspension Test	15			NA
8	Joint Play Test	16			NA
9	Parking Brake efficiency (%)	12 (b)			NA
10	Speedometer Test	17(a)			NA

**Part D: Non-Automated Tests (for electric vehicles (EV) & hybrid-electric power train vehicles)– Defining ELV or Fitness**

11	Protection against electric shock. (For electric & hybrid-electric power train vehicles only, if system voltage is > 60 V DC or 30 V AC)	31			
12	Insulation Resistance Measurement Test (For electric & hybrid-electric power train vehicles only, if system voltage is > 60 V DC or 30 V AC)	32			

**Part E: Non-Automated Tests – Defining Fitness**

13	Headlamps Assembly	2			
14	Lights	3			
15	Suppressor cap/ High tension cable	4			
16	Rear view mirrors	5			
17	Safety glass (Windscreen)	6			
18	Horn	7			
19	Silencer	8 (a)			
20	(a) Windscreen wiper blades	9 (a)			
	(b) Windscreen wiper system	9 (b)			
21	Dashboard equipment	10			
22	Rear under run protection device (RUPD) (For N2, N3, T3 and T4)	18			
23	Lateral under run protection device (LUPD) (For N2, N3, T3 and T4)	19			
24	FASTag	20			
25	Priority Seats, Signs, securing of crutches/ canes/walker, handrail/stanchions, controls at priority seats for differently abled passengers and passengers with reduced mobility (Only for buses)	21			
26	Wheel-chair arrangements for differently abled passengers and passengers with reduced mobility (Only for buses)	22			
27	Vehicle Location Tracking (VLT) Device	23			
28	High Security Registration Plate (HSRP)	24			
29	Battery	25			
30	Safety belt (Seatbelt)	26			
31	Spray Suppression Devices (For all N, T3 and T4)	28			

32	Tyres	29			
33	Retro- Reflector and reflective tapes	30			
34	State of Charge (SOC) Indicator on Dashboard (for electric vehicles)	33			
<b>Part F: Non-Automated Test – Additional information about health of the vehicle</b>					
35	Malfunction Indicator Lamp - MIL (part of OBD Scan Tool)	39			
36	Exhaust Noise Test (dB)	8 (b)			

**(b) For Three Wheelers**

Sl. No.	Name of Test	As per rule 189 Table D	Applicable (Yes/No)	Recorded Value / Observation	Result (P- Pass / F-Fail)
(1)	(2)	(3)	(4)	(5)	(6)
<b>Part A: Automated Tests – Defining ELV or Fitness Criteria</b>					
1	(a) Exhaust gas emission – CO%	11 (a)			
	(b) Exhaust gas emission – HC (ppm)	11 (b)			
	(c) Exhaust gas emission (High idle emission) – CO%	11 (c)			
	(d) Exhaust gas emission (High idle emission) – Lambda $\lambda$	11 (d)			
	(e) Smoke density ( $m^{-1}$ )	11 (e)			
2	Service brake efficiency (%)	12 (a)			
3	Speedometer (For E-rickshaw or E-cart)	17 (b)			
<b>Part B: Automated Tests – Additional information about health of the vehicle</b>					
4	Parking Brake efficiency (%)	12 (b)			NA
<b>Part C: Non-Automated Tests (for electric vehicles (EV) &amp; hybrid-electric power train vehicles)– Defining ELV or Fitness</b>					
5	Protection against electric shock. (For electric & hybrid-electric power train vehicles only, if system voltage is > 60 V DC or 30 V AC)	31 or 37			
6	Insulation Resistance Measurement Test (For electric & hybrid-electric power train vehicles only, if system voltage is > 60 V DC or 30 V AC)	32 or 38			
<b>Part D: Non-Automated Tests – Defining Fitness</b>					
7	Headlamps Assembly	2			
8	Lights	3			
9	Suppressor cap/ High tension cable	4			
10	Rear view mirrors	5			
11	Safety glass (Windscreen)	6			
12	Horn	7			
13	Silencer	8 (a)			

14	(a)	Windscreen wiper blades	9 (a)		
	(b)	Windscreen wiper system	9 (b)		
15		Dashboard equipment	10		
16		High Security Registration Plate (HSRP)	24		
17		Battery	25		
18		Tyres	29		
19		Retro- Reflector and reflective tapes	30		
20		State of Charge (SOC) Indicator on Dashboard (Only for electric vehicles)	33		
<b>Part E: Non-Automated Test – Additional information about health of the vehicle</b>					
21		Exhaust Noise Test (dB)	8 (b)		

**(b) For Two Wheelers**

Sl. No.	Name of Test	As per rule 189 Table D	Applicable (Yes/No)	Recorded Value / Observation	Result (P- Pass / F-Fail)
(1)	(2)	(3)	(4)	(5)	(6)
<b>Part A: Automated Tests – Defining ELV or Fitness Criteria</b>					
1	Headlight passing beam vertical deviation (%)	34			
2	(a) Exhaust gas emission – CO%	35 (a)			
	(b) Exhaust gas emission – HC (ppm)	35 (b)			
	(c) Exhaust gas emission (High idle emission) – CO%	35 (c)			
	(d) Exhaust gas emission (High idle emission) – Lambda $\lambda$	35 (d)			
<b>Part B: Automated Tests – Additional information about health of the vehicle</b>					
3	Brake efficiency (%)	36			
<b>Part C: Non-Automated Tests (for electric vehicles (EV) &amp; hybrid-electric power train vehicles) – Defining ELV or Fitness</b>					
4	Protection against electric shock. (For electric & hybrid-electric power train vehicles only, if system voltage is > 60 V DC or 30 V AC)	31 or 37			
5	Insulation Resistance Measurement Test (For electric & hybrid-electric power train vehicles only, if system voltage is > 60 V DC or 30 V AC)	32 or 38			
<b>Part D: Non-Automated Test – Additional information about health of the vehicle</b>					
6	Malfunction Indicator Lamp - MIL (part of OBD Scan Tool)	39			

**3. Overall Results**



**4. Summary (Issues identified):**

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**5. Inspection Photos (to be uploaded):**


**6. Inspecting officer notes:**

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**7. Digital signature of ATS operator.**

*The test report shall be generated as per above test report format, In case of any further amendment required due to new regulation or as per requirement of State Government, bidder shall amend the report format without charging any additional cost.*

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**SECTION – 8: CHARACTERISTICS OF VEHICLES TO BE TESTED**

(Table H of sub-rule (7) of Rule 190 of CMVR, 1989) Characteristics of vehicles to be tested shall be as per following table:

S. No.	Details	3-Wheeler		Quadricycle		4-Wheeler (M1, N1)		4-Wheeler LCV (M2, N2)		HCV (M3, N3)			
		Min	Max	Min	Max	Min	Max	Min	Max	Trucks (N3)		Bus (M3)	
										Min	Max	Min	Max
1	Front Axle wt(kg)	90	260	215	215	420	1285	1045	4150	1235	8951	360	6160
2	Rear Axle wt kg	205	780	308	308	315	1395	810	7840	810	10224	1360	8900
3	Kerb wt kg	203	800	474	474	730	2625	1210	5440	2045	19175	2660	15000
4	GVW kg	610	2150	823	823	935	3490	1960	11990	12990	47500	5000	22000
5	Wheelbase mm	1590	3070	1925	1925	2050	3264	2100	4500	2500	6750	2654	8350
6.	Wheel Track mm Front	-	-	1143	1143	1300	1690	1310	2022	1410	2124	1630	2054
7.	Wheel Track mm Rear	1150	1540	1143	1143	1315	1705	1343	1814	1406	1926	1486	1880
8.	Length mm	2080	2510	2752	2752	1402	5226	3790	7965	4634	11994	5125	15000
9.	Width mm	1100	1520	1312	1312	1495	2173	1500	2470	1870	2590	1910	2600
10.	Height mm	1635	2070	1652	1652	1297	2750	1890	3410	2530	3940	2200	3730
11.	Overhang Front mm	-	-	387	387	464	1297	760	2280	1050	1695	1000	2500
12.	Overhang Rear mm	443	790	440	440	405	1375	710	2385	805	3484	1250	3560
13.	Ground clearance mm	150	255	158	158	89	220	150	375	176	300	150	259
14.	TCD m	-	-	6.96	6.96	8.33	12.6	8.5	19.7	12.3	23.99	11.17	23.4
15.	TCCD m	-	-	7.32	7.32	7.95	13.5	9.8	21.2	14	25.5	12.84	27.2

*If any discrepancy between the characteristics mentioned above and those provisioned in the CMVR 1989 occurs, the latter will prevail*



## SECTION – 8A: Testing Process and Procedure

(Rule 181 of CMVR, 1989)

- (1) The appointment for fitness test at ATS shall be booked electronically by the Vehicle owner/operator through VAHAN portal/ electronic portal setup by central government or State Government, on depositing the fee as specified in rule 81 of CMVR.
- (2) The list of tests to be conducted along with the reference standards shall be as per rule 189 of CMVR, as applicable from time to time.
- (3) The data generation, processing and storage shall be done in a manner so as to ensure that:
  - (i) the database is stored in a data management software platform to enable easy exchange and analysis of data with other platforms;
  - (ii) all automated test results shall be automatically transmitted from testing equipment to a central server installed at the automated testing station and visual checks data, including photographs, shall also be transferred on the same server;
  - (iii) the fitness criteria for pass or fail shall be in accordance with rule 189;
  - (iv) (a) display of testing station in a test lane shall not indicate any test result;  
(b) all test results shall be masked on the test lane with encrypted test data;  
(c) the test report shall be generated automatically and digitally signed with relevant details, immediately after completion of all tests;
  - (v) the test data and report generated shall be kept in a safe and secured facility and uploaded on the VAHAN Portal;
  - (vi) Photographs of vehicle and its Chassis and Engine number shall be captured by Global Positioning System enabled camera and shall be kept in a secured facility and uploaded on the VAHAN Portal along with the tests data and report.
- (4) The test report generated shall be through physical and electronic mode. The test report shall include the following, namely: -
  - (i) station Name and registration number;
  - (ii) date and time of the test;
  - (iii) vehicle details – Registration number, Type, Make and Model;
  - (iv) visual check details;
  - (v) measured and permissible values of functional tests;
  - (vi) date of calibration of each equipment of the automated testing station on which tests are conducted;
  - (vii) list of functional tests or visual checks failed by the vehicle, in case certificate of fitness is not granted.
- (5) The test results shall also be integrated with VAHAN Database.
- (6) The competent officer of concerned Regional Transport Office will evaluate the test results uploaded on the VAHAN Portal and if the results comply with the requirements of the Motor Vehicle Act, 1988 and the rules made thereunder, then the concerned officer will approve the test results accordingly.
- (7) After approval of test results by the concerned officer of Regional Transport Office, the Bidder shall print the certificate of fitness in the prescribed Form of CMVR 1989 as amended.
- (8) If the concerned officer of Regional Transport Office does not approve/reject the test results within 2 working days from the date of upload of test results, then it will be treated as deemed approval by the said officer and VAHAN Portal/ electronic portal setup by central government will auto approve the said test results.

## SECTION – 9: EVALUATION PARAMETERS

### EVALUATION CRITERIA (TECHNICAL BID)

- 9.1** The evaluation of the bids shall be done by a Bid Evaluation Committee constituted for the purpose.
- 9.2** The evaluation shall be strictly based on the information and supporting documents provided by the bidders in the bid.
- 9.3** It is the responsibility of the Bidder to provide all supporting documents necessary to fulfill the mandatory eligibility criteria. In case, the required information is not provided by Bidder, the Bid Evaluation Committee shall proceed with evaluation based on information provided and will not request the Bidder for further information. Hence, responsibility for providing information as required lies solely with the Bidder.
- 9.4** It is expressly made clear that mere submission of bid, eligible or not eligible, shall not confer any right whatsoever on any such Bidder.
- 9.5** Any bid submitted by the Bidder, which fails to satisfy the eligibility requirements, shall not be considered and summarily rejected.
- 9.6** Transport Commissioner, Odisha will have the right to accept or reject any or all of the bids, received in response to this RFB and its decision in this regard shall be final and binding.

### METHODOLOGY FOR EVALUATION

- 9.7** Technical Bids shall be tabulated by the Bid Evaluation Committee in the form of a comparative statement to evaluate the qualification of the Bidders against the criteria for qualification set out in this RFB.
- 9.8** The members of Bid evaluation committee shall evaluate the technical bids received and shall give marking as per below mentioned marking scheme table.
- 9.9** Bidder is required to get minimum of 60 marks for being technically qualified and eligible for further evaluation and opening of its financial bid.
- 9.10** The recommendations of the Bid evaluation committee shall be subject to the approval of the Competent Authority, those who qualify in the technical evaluation shall be informed and their financial bid shall be opened in the presence of all the qualified bidders. Date for the financial bid opening shall be communicated to the bidders by the authority through email.

#### Technical Proposal Evaluation Criteria

S. No.	Criteria	Marks	Maximum Marks	
1	The sole bidder/ any consortium member experience in last ten years of handling industrial automation process/ process operation or allied experience	Minimum 3 Year Experience	10	20
		5 Year Experience	15	
		More than 7 Year Experience	20	
2	Equipment manufacturer experience of supply of Test lane equipment globally consisting of major equipment (similar to but not limited to Roller Brake Tester, Speedometer Tester, Headlight Tester, Suspension Tester, Side slip Tester, Axle play detector)	Supply and installation of major equipment	20	30
		Supply of more than <b>3 less than 5</b> Test Lanes for any Government Agency.	25	
		Supply of more than 5 Test Lanes for any Government Agency.	30	
3	The Bidder (or any member of the consortium/JV) have experience of successfully executed any establishment of ATS project during the last five (5) financial years in India as on bid submission date.	1 project	5	10
		2 projects	8	
		More than 2 projects	10	

4	The Sole Bidder / Lead Bidder of the Consortium average annual turnover in previous three year	Minimum 10 crore	25	35
		For each additional Average Turn Over of 1 Cr. will be awarded with 1 Mark, subject to Maximum of 10 marks.		
5	The equipment manufacturer is the Indian Manufacturer (Class – I local supplier)	Having its manufacturing plant in India	5	5
Maximum Total Marks				100

**Note:** Documentary proof for serial number 3: the bidder shall submit proof of (notary certified copy of the original Work done completion certificates issued by the Government authority /Authorized Government Operator of the Testing center and counter signed by the Bidder/ consortium/JV partner) of such a business worldwide. The Bidder is requested to fill “Form p) References” with a list of projects executed by them.

## EVALUATION OF FINANCIAL BID

**9.11** Financial Bid of the Bidders will be evaluated as below:

- (i) The Bidder shall submit Financial Bid as per requirements of this RFB.
- (ii) In Financial Bid, the Bidder shall quote “**the Project Cost**” as per **Form (L) of this RFB**. The Form (L) comprises Schedule I, II, III, IV and V. The summary of cost of Schedule I to IV is the Project Cost i.e. **Schedule V of Form (L)**. **All five Schedules are given in Form (L)**.
- (iii) The Bidders scoring points of 60 and above in the Technical Proposal Evaluation will qualify for Financial Proposal Evaluation. The Technical Proposal Evaluation score of technically qualified bidders would be standardized on a scale of 100, with highest point being standardized to 100 and the rest being awarded on pro-rata basis.
- (iv) The individual bidder Technical Evaluation marks will be standardized as per the formula below:  

$$T(\text{stan}) = (T(\text{bid}) / T(\text{max})) \times 100$$

Where, T(stan) = Standardized Technical score for the Bidder under consideration  
T(bid) = Technical Evaluation score secured by the Bidder under consideration  
T(max) = Maximum Evaluation score obtained by any Bidder
- (v) The Financial Proposals (as per the financial bid format) of technically qualified bidders shall be evaluated as below:  

$$C(\text{fs}) = (C(\text{min}) / C(\text{bid})) \times 100$$

Where, C(fs)= Financial Score for the Bidder under consideration  
C(bid)= Price quoted by the Bidder under consideration  
C(min)= Minimum price quoted by any of the Bidder
- (vi) The method of Final Evaluation of the Bids is described as follows:  
Bids will be ranked according to their combined Technical (T(stan)) and Financial (C(fs)) scores using the weightages  
The weightage given to Technical Bid is 70% as  $W(\text{tech}) = 0.70$ ; and the weightage given to Commercial Bid is 30% as  $W(\text{com}) = 0.30$ . The combined Technical and Financial Score for the Bidder under consideration shall be computed as per the formula given below:  
Final Score of each Bidder shall be evaluated as  $\text{Final Score} = (T(\text{stan}) \times W(\text{tech})) + (C(\text{fs}) \times W(\text{com}))$
- (vii) The Bidders would then be ranked in the descending order based on the Final Score obtained as per

the procedure detailed in above and graded from H1, H2, H3..... to Hn.

- (viii) The Bidder, who **Ranked the highest score “H1”** as per clause vi above, shall be selected as the Successful Bidder.
- (ix) In case two or more Bidders have same Final Score, the Bidder having higher Technical Score would be considered for award of the contract.
- (x) Bid shall be treated as final only after approval of the Transport Commissioner.

#### **PRICE REASONABILITY OF THE BIDS**

- (i) In case of the Bid of the shortlisted Bidder is found seriously unbalanced by Transport Commissioner in relation to the internal estimate or Good Industry Practice, the Transport Commissioner shall be entitled to solicit, at it's sole discretion, detailed price analysis for any or all items specified in Commercial bid, from the Preferred Bidder and/or all Bidders to demonstrate the internal consistency of those prices.
- (ii) “Internal Estimate” shall mean expected User Fee prepared by Transport Commissioner through its internal estimates.
- (iii) “Good Industry Practice” shall mean the use of cost that would reasonably and ordinarily be expected from a skilled and experienced Operator for such Operations anywhere in India.
- (iv) In case of the Commercial bid of the shortlisted Bidder in the sealed commercial bid, which is unrealistically lower or unrealistically higher than internal estimate or Good Industry Practice which could not be substantiated satisfactorily by the bidder, such bid shall be rejected as non-responsive.
- (v) The Transport Commissioner reserves the right to accept or reject the bid after the above detailed procedure.

#### **CLARIFICATION OF TECHNICAL BIDS AND REQUEST FOR ADDITIONAL OR MISSING INFORMATION**

During evaluation of Technical Bids, Transport Commissioner, Odisha may, at its discretion, ask the Bidder for a clarification or to submit additional or missing information to their Bid document. The request for clarification or submission of information and the response shall be in writing through email/letter as the as case maybe. If the appropriate response from the bidder is not received within stipulated timeline as would be decided by Transport Commissioner, Odisha, treating respective bidder as irresponsible and proceed with evaluation process.

#### **CORRECTION OF ARITHMETIC ERRORS IN FINANCIAL BIDS**

If there is a discrepancy between words and figures, the value in words shall prevail.

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## SECTION – 10: ACCEPTANCE TEST REQUIREMENTS

### 10.1 Acceptance shall be done in two steps.

- Inspection on arrival at site of bidder's choice in India, preferably at Odisha for individual elements before shipment.
- Acceptance of the supplied elements on-site

### 10.2 Acceptance of the supplied equipment on-site

- All calibration certificates shall be made available to Transport Commissioner, Odisha.
- For Exhaust Gas Analyzers) the Bidder, at its own cost, will be required to provide certification at the time of on-site acceptance.
- Remaining equipment shall be calibrated as per International Standards by an accredited certification agency. In case this is not available for some equipment, the Bidder is required to thoroughly explain the calibration procedure used, and to submit all required traceability information.
- All the previous information is also required for the calibrating equipment itself.
- The Bidder shall also deliver the procedure that will be used to qualify the equipment during the commissioning.

### 10.3 COMMISSIONING OF EQUIPMENT

- Calibration certificate will be checked with the serial numbers of the equipment delivered on site.
- A full recalibration will be done on-site.
- Validation of the sensors (bridges, connectors, identification).
- Validation of the software.
- Connections and validation of power supply.
- Validation of system.
- Validation of calibration plan during warranty.
- Validation of the provided documentation.

### 10.4 FINAL ACCEPTANCE

Before final acceptance the following requirements are to be fulfilled / checked :

- Values obtained in the calibrations will be checked to be admissible.
- The correct running of the software and data dump will also be checked.
- Inspections will be undertaken with different type of vehicles to prove that operation and results of the equipment fulfils the requirements demanded in this RFB.

These tests might be used to validate the complete system. Bidder will ensure that there are proper vehicles and drivers required to perform the tests.



## **SECTION – 11: TERMS OF PAYMENT**

**PAYMENT AGAINST CONSTRUCTION OF TWO-WHEELER TEST LANE SHED, UPGRADATION OF EXISTING INSTALLED VEHICLE TESTING EQUIPMENT, PURCHASE, SUPPLY, INSTALLATION, COMMISSIONING AND CIVIL FOUNDATION WORK OF THE EQUIPMENT AS WELL AS AGAINST OPERATION AND AMC:**

**11.1 No advance payments shall be paid to the Successful Bidder.**

**11.2 No payment will be processed without the due completion certificate issued by iCAT, the consultant engaged by the Transport Commissioner, Odisha.**

**11.3 PAYMENT AGAINST CONSTRUCTION OF TWO WHEELER TEST LANE SHED CIVIL WORK FOR TESTING EQUIPMENT FOUNDATION**

- a) For any payment, the Successful Bidder will submit invoice duly signed by the authorized signatory to the Transport Commissioner, Odisha.
- b) 40% payment after completion of structural work, roof panels, layout of piping and drainage system, commencement of installation of electric cables.
- c) 50% payment against the civil work will be paid after successful completion of the civil work and commissioning of equipment supported by the completion certificate of iCAT.
- d) The Transport Commissioner, Odisha, on the report of iCAT about the successful completion of the civil work and commissioning of equipment, after satisfying that the invoice is in accordance with the provisions of the Financial Bid of this RFB, will make rest 10% of payment with deductions, if any, for penalty and/or any other dues.

**11.4 PAYMENT AGAINST UPGRADATION OF EXISTING INSTALLED EQUIPMENT AND SUPPLY AND INSTALLATION OF NEW EQUIPMENT**

- a) 70 percent will be paid after successful installation and commissioning of equipment at ATS as per report submitted by the designated audit agency.
- b) 10 percent will be paid after 1<sup>st</sup> year of successful operation of ATS from the date of commissioning.
- c) 10 percent will be paid after 2<sup>nd</sup> year of successful operation of ATS from the date of commissioning.
- d) 10 percent will be paid after 3<sup>rd</sup> year of successful operation of ATS from the date of commissioning.
- e) For such payment, the Successful Bidder will submit the completion certificate issued by iCAT and invoice duly signed by the authorized signatory to the Transport Commissioner, Odisha.
- f) The Transport Commissioner Odisha, after satisfying that the invoice is in accordance with the provisions of the Financial Bid of this RFB, will make payment with deductions, if any, for penalty and/or any other dues.

**11.5 PAYMENT FOR SEVEN YEARS OPERATION OF ATS**

- a) Payments for operation of the ATS will be made on quarterly basis on the submission of quarterly invoice. The quarterly monitoring report certified by iCAT shall be annexed with the invoice.
- b) The Successful Bidder shall be paid on quarterly basis on submission of invoice duly signed by the authorized signatory to the concerned Regional Transport Officer, Cuttack.
- c) The Regional Transport Officer, Cuttack after satisfying that the invoice is in accordance with the provisions of the Financial Bid of this RFB and verifying the satisfactory performance of operation of Center will make payment with deductions, if any, for penalty and/or any other dues.
- d) Final quarterly payment shall be paid after the bidder has handed over all the equipment in good working conditions and settled all the dues.



## 11.6 CMC PAYMENT

- a) CMC for existing installed equipment shall be paid annually as per the quoted rate for all seven years.
- b) CMC charges will be paid annually at the rate of 5 percent of the cost of the equipment at the end of 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> year from the date of commissioning. This payment will be made on successful completion of CMC work as per RFB requirement.
- c) For such payment, the Successful Bidder will submit the quarterly monitoring report certified by iCAT and invoice duly signed by the authorized signatory to the Transport Commissioner, Odisha.
- d) The Transport Commissioner, Odisha, after satisfying that the invoice is in accordance with the provisions of this RFB, will make payment with deductions, if any, for penalty and/or any other dues.

## 11.7 CURRENCY OF PAYMENT

All payments shall be made to the Successful Bidder in Indian Rupees.

## 11.8 PAYMENT SCHEDULE

The payment will be released, as far as possible within 30 working days, after the receipt of verified invoices from the Successful Bidder.

## 11.9 TRANSPORT COMMISSIONER, ODISHA RIGHT TO SET OFF

Notwithstanding any condition contrary to contract, Transport Commissioner, Odisha shall be entitled to deduct from and set off against any amount due to the Bidder under the Contract, any amount or amounts which the Bidder is liable to pay to Transport Commissioner, Odisha under the Contract.

## 11.10 TAXES AND DUTIES

- (a) Unless specifically stated elsewhere in the Contract, the Bidder is solely liable for payment of, and warrants that it will pay, or ensure the payment of:
  - (i) all Taxes (all applicable taxes imposed by central and state government such as GST, custom duty, excise, VAT, octroi etc.);
  - (ii) all contributions payable by any Applicable Law, award and pursuant to any contract with all industrial or trade union or other association of employees or otherwise with respect to or ascertained by reference to the wages, salaries or other compensation paid to employees of the Bidder or its Sub Bidders in respect of the Works, including Taxes or contributions for workers' compensation, unemployment or sickness benefit, old age benefit, welfare funds, pensions and disability insurance;
  - (iii) the cost of all import or export licenses if required in respect of the Bidder's Equipment and Spare Parts;
  - (iv) the cost of any port dues including (but not by way of limitation) wharfage dues, storage charges, quay rent, craneage, shipping dues, pilotage fees, anchorage, berthage and mooring fees, quarantine dues, loading, portage and overtime fees for any goods, materials and Bidder's Equipment and Spare Parts to be used in connection with the Execution of the Works;
    - all charges and other expenses in connection with the landing and shipment of all goods and equipment and any part thereof, materials and other things of whatsoever nature brought into or dispatched from India for the purposes of the Contract; and
    - the Bidder indemnifies and keeps indemnified Transport Commissioner, Odisha against all liability for payment of all of the above



Taxes, assessments and contributions, duties, costs and fees and all liability arising in respect of any non-payment;

- Withholding Tax/Income Tax deducted at source.
- (b) The Bidder shall be responsible for payment of all Taxes on the income, surcharge on income tax and corporate tax in respect of the Contract, irrespective of the mode of contracting. Transport Commissioner, Odisha shall not in any way be liable for payment of such taxes. Transport Commissioner, Odisha shall be entitled to deduct in accordance with Applicable Law, Income Tax or withholding tax or other deductions (as the case may be), from any payments made to the Bidder, and the amount so deducted shall be deemed to be a payment made to the Bidder. Transport Commissioner, Odisha shall provide a certificate certifying the deduction so made.
- (c) The property tax, if any, shall be paid by the Transport Commissioner, Odisha.

### 11.11 PENALTY FOR DELAYED SERVICES / LATE DELIVERY

- a) If the Bidder fails to construct ATS, supply, install and commission the equipment and/or fails to commence the operation of the ATS as per Implementation Schedule mentioned in the RFB, the Successful Bidder is liable to pay 0.1 % of the Contract value per week or part thereof for delay, subject to a maximum of 10% (ten percent) of the Contract value at a time.
- b) The Transport Commissioner, Odisha reserves the right to terminate the contract in case the Successful Bidder fails to commence the operation of the ATS even after 270 days from the date of issuance of LoA and forfeit the PBG.
- c) Any machine/equipment in a test lane should not break-down for more than 96 hrs, after which a penalty of Rs.5000/- (Five Thousand) per day per lane shall be imposed on the Successful Bidder. Such penalty amount in a month shall not exceed the operation cost of the particular month.
- d) In case of Downtime of any IT equipment/ any utility/ any software for more than 100 hours in a calendar year bidder shall be levied INR 1,000 per hour for each component.
- e) Incident wise penalties to be levied on successful bidder during operation of ATS as under:

Sr. No.	Deficiencies	Fine (in INR / day / per month)			
		1 <sup>st</sup> Offence	2 <sup>nd</sup> Offence	3 <sup>rd</sup> Offence	4 <sup>th</sup> Offence onwards
1	Not providing adequate manpower as per RFB condition/ CMVR/ any prevailing norms requirements	500	1000	2000	5000
2	Not installing additional equipment or upgrading the equipment as per future amendments in CMVR requirements or any other prevailing norms/ regulation	500	1000	2000	3000
3	Not updating the Software as per the directives of Authority for complying the prevailing norms	2000	4000	8000	12000
4	Attempt to Change / unauthorised changes in test procedure (not align to the requirements of CMVR/ IS / AIS/ any related testing standards) /breach of contract or Event of malpractice/any information security breach/ unauthorized data leakage/ any discrepancy on Testing fee collection/ any additional fee charging from public without prior consent or approval from the Transport Commissioner, Odisha	<ul style="list-style-type: none"> <li>○ INR 1 lakh on 1st incident</li> <li>○ INR 2 lakhs on 2nd incident</li> </ul> Upon 3rd such incident, show cause with 30 days' notice will be issued. 2nd notice will be issued with 15 days' notice. For any incident thereafter, the Authority can terminate the contract as per defined process through a committee constitute by the Transport Commissioner, Odisha			
5	Any discrepancy pointed out during the periodic audit and assessment, the same shall be rectified by the Successful Bidder within ten working days from the date of issuance of the audit and assessment report.	Rs. 5000/- (Five Thousand only) per day.			

- f) Such penalty amount will be deducted from Performance Bank Guarantee or from amount due to the Successful Bidder; or the Successful Bidder shall be required to pay such amount separately in the form and manner as directed by the Transport Commissioner, Odisha.

*Note: Maximum penalty imposed shouldn't be more than the value of PBG amount. Exceeding the threshold value (PBG Amount) the bidder will be terminated and further it may lead to blacklisting.*

### 11.12 PROJECT MANAGEMENT CONSULTANCY FEE OF ICAT

- a) The successful bidder shall be required to pay Project Management Consultancy (PMC) fee to ICAT, Manesar electronically as per the following defined milestone:
- PMC Charges during establishment and implementation phase amounting to INR 3.5 lakhs plus applicable taxes per Test Lane as per the following payment terms:
  - Payment schedule is detailed below.

Sl. No.	Payment milestone	Payment Timeline
1	50% of the amount is to be paid by the successful bidder after allotment of work and signing of agreement.	Within 7 days from the signing of Agreement.
2	Balance 50% of total amount to be paid by the shortlisted Operator after commissioning of ATS.	Within 7 days from the date of release of ICAT inspection report.

- All payments as detailed above shall be made as per Proforma Invoice of ICAT for each milestone completion.
- b) Expenses for a maximum of four visits per ATS location will be incurred by ICAT. If project gets delayed due to any reason, the successful bidder will have to incur travelling, lodging & boarding expenses of ICAT. All payments for additional site inspections and audits beyond four visits of ICAT at each location towards travel logistics (including air travel, local transport, 3-star lodge and boarding facilities) shall be borne by the successful bidder for 2 ICAT officials per visit per ATS location.



**FORM (A):**  
**Letter for Submission of Technical Proposal**

[To be executed on the Letter Head of the Bidder] (Duly notarized to be uploaded along with Technical Bid)

To:

The Transport Commissioner,  
6th Floor, Rajaswa Bhawan,  
Cuttack, Odisha 753002

Dear Sir,

I/We, the undersigned, offer our bid in response to your RFB No. .... Dated.....

- 2) I/We are hereby uploading our Bid, which includes the Technical Bid and a Financial Bid.
- 3) My/Our Bid is valid for a period of 180 days from the last date of Submission of Bids, extendable further for the additional period of 60 days, on request of Transport Commissioner, Odisha, without any additional cost.
- 4) I/We hereby declare that all the information and statements made in this Bid, are true and complete in all respects and are as per the requirements of the RFB.
- 5) I/We further understand that any information, which is found false or is not as per the requirements and terms & conditions of the RFB, may cause disqualification of my/our Bid.
- 6) I/We hereby declare that I/We have submitted Earnest Money Deposit and Bid Processing Fee of requisite value in the form and manner as specified in the RFB.
- 7) If negotiations are held during the period of validity of the Bid, I/we undertake that my/our Bid will be binding upon us and will be subject to the modifications resulting from Contract negotiations. However the Bid validity continues to be 180 days and is extendable further for the additional period of 60 days, on request of Transport Commissioner, Odisha, without any additional cost.
- 8) I/ We acknowledge the right of the Transport Commissioner, Odisha to reject my/our Bid without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
- 9) I/ We certify that in the last five years from the date of publication of this bid, I / we have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award, nor been expelled from any project or contract by any public authority nor have had any contract terminated by any public authority for breach on our part, nor been banned or debarred or blacklisted by Govt. of Odisha or any other Ministry/Department of the Govt. of India/State Govt. or any other country from participation in tenders/contract.
- 10) I/ We declare that:
  - (a) I/ We have examined and have no reservations to the RFB document,; and
  - (b) I/ We do not have any conflict of interest in accordance with any Clauses of the RFB document; and
  - (c) I/We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as defined in the RFB document, in respect of any tender or request for proposal issued by or any Agreement entered into with the Government or any other public sector enterprise or any Government, Central, Union Territory or State; and
  - (d) I/ We hereby certify that we have taken steps to ensure that in conformity with the provisions of the RFB document, no person acting for us or on our behalf has engaged or will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice; and
  - (e) The undertakings given by me/us along with the Bid for the Project are true and correct as on the Bid Due Date and I/ we shall continue to abide by them.
- 11) I/ We understand that the Transport Commissioner, Odisha may cancel the Bidding Process at any time and that the Transport Commissioner, Odisha neither bound to accept any Bid that the Transport Commissioner, Odisha may receive for the Project, without incurring any liability to the Bidders, in accordance with Clauses of the RFB document.



- 12) I/We believe that I/we satisfy the Net Worth criteria and meets all the requirements as specified in the RFB document and is /are qualified to submit a Bid.
- 13) I/ We certify that in regard to matters other than security and integrity of the country, I/We have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
- 14) I/ We further certify that in regard to matters relating to security and integrity of the country, I/We have not been charge-sheeted by any agency or convicted by a Court of Law.
- 15) I/ We further certify that no investigation by a regulatory authority is pending either against me/us or against our Associates or against our CEO or any of our directors/managers/ employees.
- 16) I/ We hereby irrevocably waive any right or remedy which I/we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Transport Commissioner, Odisha in connection with the qualification/ short listing of Bidders, selection of the Bidder, or in connection with the selection/ Bidding Process itself, in respect of the above mentioned Project and the terms and implementation thereof.
- 17) I/ We have studied all the Bid documents carefully and also surveyed the Project. I/We understand that except to the extent as expressly set forth in the Contract Agreement, we shall have no claim, right or title arising out of any documents or information provided to us by the Transport Commissioner, Odisha or in respect of any matter arising out of or relating to the Bidding Process including the award of Contract.
- 18) I/ We agree and understand that the Bid is subject to the provisions of the Bid documents. In no case, I/we shall have any claim or right of whatsoever nature if the Project / Contract is not awarded to me/us or our Bid is not opened or rejected.
- 19) I/ We agree and undertake to abide by all the terms and conditions of the RFB document.

In witness thereof, I/ we submit this Bid under and in accordance with the terms of the RFB document.

Yours sincerely,

Authorized Signature [In full]:

Authorized Signature [In initials]: Name and Title of Signatory: Name of the Company

Address:

Seal of the Company Date:



**FORM (A-1)**  
**(To be submitted duly notarized along with Technical Bid)**  
**REPRESENTATIONS AND WARRANTIES BY THE BIDDER**

**To**

The Transport Commissioner,  
 6th Floor, Rajaswa Bhawan,  
 Cuttack, Odisha 753002

**Ref: RFB No .....** **dated: .....**

Dear Sir,

The Bidder represents and warrants to Transport Commissioner, Odisha that:

- (a) it is duly organized, validly existing and in Good standing under the laws of India or in the country of its incorporation;
- (b) it has full power and authority to execute, deliver and perform its obligations under the Contract and to carry out the transactions contemplated hereby;
- (c) it has taken all necessary corporate and other action under Applicable Laws and its constitutional documents to authorize the Execution, delivery and performance of the Contract;
- (d) it has the financial standing and capacity to Execute the Works;
- (e) the Contract constitutes its legal, valid and binding obligation enforceable against it in accordance with the terms hereof;
- (f) it is subject to the Applicable Laws with respect to the Contract and it hereby expressly and irrevocably waives any immunity in any jurisdiction in respect thereof;
- (g) it has complied with all Applicable Laws and has not been subject to any fines, penalties, injunctive relief or any other civil or criminal liabilities which in the aggregate have or may have Material Adverse Effect upon the Works;
- (h) no representation or warranty by the Bidder contained herein or in any other document furnished by it to Transport Commissioner, Odisha in relation to Applicable Clearances, contains or will contain any untrue statement of material fact or omits or will omit to state a material fact necessary to make such representation or warranty not misleading;
- (i) no bribe or illegal gratification has been paid or will be paid in cash or kind by or on behalf of the Bidder to any person to procure the Contract or any other benefit under the Contract to procure other Contracts in relation to which the Bidder may be a party in relation to the Project.
- (j) without prejudice to any express provision contained in the Contract, the Bidder acknowledges that prior to the execution of the Contract, it has, after a complete and careful examination, made an independent evaluation of the Project Site, the Technical Conditions of Contract and any information provided by or on behalf of Transport Commissioner, Odisha and has made an inspection of the Project Site and has determined to its satisfaction the nature and extent of risks and hazards as are likely to arise or may be faced by the Bidder in the course of performance of its obligations hereunder.

**Signature of Authorised Signatory Name &  
 Designation  
 Date & Seal**



**FORM (B)**  
**LETTER OF UNDERTAKING**

[On the letterhead of the Bidder]

**(Duly notarized to be submitted along with Technical Bid)**

**To**

The Transport Commissioner,  
6th Floor, Rajaswa Bhawan,  
Cuttack, Odisha 753002

**Ref: RFB No ..... dated: .....**

Dear Sir,

I/We acknowledge that the documents for RFB No..... dated ..... are confidential and I/we hereby undertake as follows:

1. I/We shall maintain the confidentiality of Confidential Information and protect confidential information of third parties delivered to us in Good faith for this project by the Transport Commissioner, Odisha.
2. I/We shall not at any time whatsoever:
  - (i) disclose, in whole or in part, any Confidential Information received directly or indirectly from the Transport Commissioner, Odisha to any third party.
  - (ii) reproduce, publish, transmit, translate, modify, compile or otherwise transfer the Confidential Information.
4. In case my/ our bid is not accepted, I/we shall:
  - (i) return all Confidential Information including without limitation, all originals, copies, reproductions and summaries of Confidential Information; and
  - (ii) destroy all copies of Confidential Information in our possession, power or control, which are present on magnetic media, optical disk or other storage device, in a manner that ensures that the Confidential Information is rendered unrecoverable.
5. I/We shall certify to Transport Commissioner, Odisha that I/we have returned or destroyed such Confidential Information to Transport Commissioner, Odisha within two (2) days of non-acceptance of my/our Bid.
6. I/We shall certify to Transport Commissioner, Odisha that the Equipment supplied for the project are capable of testing the vehicles as per CMVR 1989, as amended, requirements and all additional tests, as required by this RFB, for ensuring optimum safety and emission performance of in-use vehicles shall also be performed.

**Signature of Authorized Signatory**  
**Name**  
**Designation**  
**Date**  
**Seal**



**FORM (C)**  
**Sole / Lead Bidder's Firm Profile**  
**(To be filled and submitted along with Technical Bid)**

**1) Firm Information**

Bidder Identification	
a) Name	
b) Registered address (in full)	
c) Details of registration (in full)	
d) Principal place of business	
e) Telephone number and mobile number	
f) Fax number	
g) Website	
h) Authorized signatory for this Bid Name Designation Email Mobile number Landline number	
i) Name and Address of Bankers	
Business Organization	
a) Date of Registration	
b) Registering Authority	
c) Parent/Leader company involvement in the project (if any)	
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 any Indian government entity.

*[If yes, provide detail in an attachment to this form]*

## 2) Description & Capability of Firm

*[Provide here a brief (a maximum of three pages) description of the organization and an explicit statement of capability of the organization.]*

## 3) Organization Structure of Firm

*[Please provide the Organization Chart showing company structure, including positions of directors and managers and location of all other offices in India and the world.]*

*Please provide a statement about the total number of employees of the Bidder, their skillsets with specific information on the employees based in India.*

## 4) Financial Information

Year	2020-21	2021-22	2022-23
Average Annual Turnover (in INR)			
Net Worth (in INR)			

Copies of Annual Turn Over statement and balance sheet (Profit and loss statement) of required years (i.e: 2020-21, 2021-22, 2022-23) certified/audited by the Chartered Accountant with UDIN shall be attached.

## 5) Work Experience

Year	Year 1	Year 2	Year 3
Nature of work executed			
References			

## 6) Equipment manufacturer/ supplier details

Particular	Details
Company Name	
Company type (OEM/ Authorised dealer etc)	
Contact Details	
Past Experiences	

**Signature of Authorised Signatory Name  
Designation Seal**



**FORM (D):**  
**Format for Memorandum of Understanding for Consortium**

DRAFT MEMORANDUM OF UNDERSTANDING TO BE EXECUTED BY MEMBERS  
OF THE CONSORTIUM

[On Non-judicial stamp paper of appropriate value duly attested by notary public]

This Memorandum of Understanding (MoU) entered into this day of [Date] [Month] \_\_\_\_\_ at [Place] among \_\_\_\_\_ (hereinafter referred to as " \_\_\_\_\_ ") and \_\_\_\_\_ having office at [Address], India, as Party of the First Part and \_\_\_\_\_ (hereinafter referred as " \_\_\_\_\_ ") and having office at [Address], as Party of the Second Part and \_\_\_\_\_ (hereinafter referred as " \_\_\_\_\_ ") and having office at [Address], as Party of the Third Part. The parties are individually referred to as **Party** and collectively as **Parties**.

**WHEREAS**

Transport Commissioner, Odisha (hereinafter referred to as "Purchaser") has issued a Request for Bid dated [Date of Release of RFB] from the Applicants interested in RFB for Selection of successful bidder for upgradation of existing inspection and certification center at Cuttack to automated testing station, establishment of two-wheeler test lane and operation and maintenance of ATS:

AND WHEREAS the Parties have had discussions for formation of a Consortium for bidding for the said Project and have reached an understanding on the following points with respect to the Parties' rights and obligations towards each other and their working relationship.

**AS MUTUAL UNDERSTANDING OF THE PARTIES, IT IS HEREBY AGREED AND DECLARED AS FOLLOWS:**

- (a) The purpose of this Agreement is to define the principles of collaboration among the Parties to:
  - i. Submit a response jointly to Bid for the "RFB for Selection of Successful Bidder for Upgradation of Existing Inspection and Certification Centre at Cuttack to Automated Testing Station, Establishment of Two-Wheeler Test Lane and Operation and Maintenance of ATS" as a Consortium.
  - ii. Sign Contract in case of award.
  - iii. Provide and perform the supplies and services which would be ordered by the Purchaser pursuant to the Contract.
- (b) This Agreement shall not be construed as establishing or giving effect to any legal entity such as, but not limited to, a company, a partnership, etc. It shall relate solely towards the for "RFB for Selection of successful bidder for upgradation of existing inspection and certification center at Cuttack to automated testing station, establishment of two-wheeler test lane and operation and maintenance of ATS" for and related execution works to be performed pursuant to the Contract and shall not extend to any other activities.

- (c) The Parties shall be jointly and severally responsible and bound towards the Purchaser for the performance of the works in accordance with the terms and conditions of the RFB document, and Contract.
- (d) (Name of Party) shall act as Lead Member of the Consortium.  
As such, it shall act as the coordinator of the Party's combined activities and shall carry out the following functions:
  - i. To ensure the technical, commercial and administrative co-ordination of the work package(s)
  - ii. To lead the contract negotiations of the work package with the Purchaser.
  - iii. The Lead Member is authorized to receive instructions and incur liabilities for and on behalf of all Parties.
  - iv. In case of an award, act as channel of communication between the Purchaser and the Parties to execute the Contract
- (e) That the Parties shall carry out all responsibilities as Developer in terms of the Project Agreement.
- (f) That the broad roles and the responsibilities of each Party at each stage of the Bidding shall be as below:  
Party A: Party B: Party  
C:
- (g) That the Parties affirm that they shall implement the Project in good faith and shall take all necessary steps to see the Project through expeditiously.
- (h) That this MoU shall be governed in accordance with the laws of India and courts in Cuttack shall have exclusive jurisdiction to adjudicate disputes arising from the terms herein.

In witness whereof the Parties affirm that the information provided is accurate and true and have caused this MoU duly executed on the date and year above mentioned.

(Party of the First Part)                      (Party of the Second Part)                      (Party of the Third Part)

Witness:

- i.
- ii.

**FORM (E):  
Power of Attorney (PoA)**

**(Duly notarized to be submitted along with Technical Bid)**

Know all men by these present, I/We ..... (*Name of the person (s) and designation*).....(*name of the Company and address of the registered office*)

do

hereby irrevocably constitute, nominate, appoint and authorize Mr/Ms ..... (name),

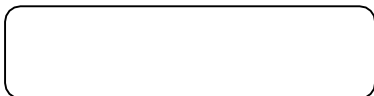
..... son/daughter/wife of ..... and presently residing at ....., who is presently employed with us and holding the position of....., as our true and lawful

attorney (hereinafter referred to as the "**Attorney**") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Bid for supply, installation, commissioning of vehicle inspection equipment as well as civil foundation work of equipment and operation & maintenance of *Automated Testing Station (ATS)* at Cuttack proposed by the Transport Commissioner, Odisha including but not limited to signing and submission of Bids and other documents and writings, participate in Pre-Bid and other conferences and providing information/ responses to the Transport Commissioner, Odisha, representing us in all matters before the Transport Commissioner, Odisha, signing and execution of all contracts including the Contract Agreement and undertakings consequent to acceptance of our Bid, and generally dealing with the Transport Commissioner, Odisha in all matters in connection with or relating to or arising out of our Bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Contract Agreement with the Transport Commissioner, Odisha.

AND we hereby agree to ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

The said Power of Attorney has been executed through power received through Board Resolution dated ..... (if applicable)

Signature of attorney is attested below:



IN WITNESS WHEREOF WE, ....., THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED

THIS POWER OF ATTORNEY ON THIS ..... DAY OF ....., 20.....

(Signature) Name: Designation: Address:

- Witnesses: 1.  
2.

**Form (E-1)**  
**Power of Attorney (PoA) in favour of Lead Member of Consortium**  
**(Duly notarized to be submitted along with Technical Bid)**

Know all men by these present, we

1 *(name of the Firm and address of the registered office)*

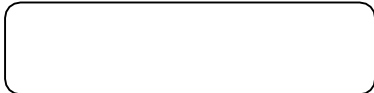
2 *(name of the Firm and address of the registered office)*

3 *(name of the Firm and address of the registered office)*

Do hereby irrevocably constitute, nominate, appoint and authorize <.....> (Name of the Firm).....> <.... address.....> as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Bid for supply, installation, commissioning of vehicle inspection equipment as well as civil foundation work of equipment and operation & maintenance of *Automated Testing Station (ATS)* at Cuttack proposed by the Transport Commissioner, Odisha including but not limited to signing and submission of Bids and other documents and writings, participate in Pre-Bid and other conferences and providing information/ responses to the Transport Commissioner, Odisha, representing us in all matters before the Transport Commissioner, Odisha, signing and execution of all contracts including the Contract Agreement and undertakings consequent to acceptance of our Bid, and generally dealing with the Transport Commissioner, Odisha in all matters in connection with or relating to or arising out of our Bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Contract Agreement with the Transport Commissioner, Odisha.

AND we hereby agree to ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

The Signature of authorised signatory of Lead Member is attested below:



IN WITNESS WHEREOF WE, ....., THE ABOVE NAMED HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS ..... DAY OF ....., 20.....

(Signature) Name of the person: Designation: Name of the Firm Address: Seal	(Signature) Name of the person: Designation: Name of the Firm Address: Seal	(Signature) Name of the person: Designation: Name of the Firm Address: Seal
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**FORM (F)**  
**Proof of payment of Earnest Money Deposit**  
**(To be filled and submitted along with Technical Bid)**

To

The Transport Commissioner,  
6th Floor,  
Rajaswa Bhawan, Cuttack,  
Odisha 753002

Dear Sir,

I/We hereby declare that the EMD of Indian Rupees \_\_\_\_\_ Only (Rs. \_\_\_\_\_ lakhs Only) has been paid through Bank Draft in favour of Transport Commissioner, Odisha in the Bank vide Demand Draft Number..... Dated.....

**Signature of Authorised Signatory Name**  
**Designation Seal**

**FORM (F-1)**  
**Proof of payment of Bid Processing Fee**  
**(To be filled and submitted along with Technical Bid)**

To,

The Transport Commissioner,  
6th Floor,  
Rajaswa Bhawan, Cuttack,  
Odisha 753002

Dear Sir,

I/We hereby declare that the Bid processing fee of Indian Rupees \_\_\_\_\_ Only (Rs. \_\_\_\_\_ lakhs Only) has been paid through Bank Draft in favour of Transport Commissioner, Odisha in the Bank vide Demand Draft Number..... Dated.....

**Signature of Authorised SignatoryName**  
**DesignationSeal**

**FORM (G)**  
**Performa for Performance Bank Guarantee**

(To be executed on non-Judicial stamped paper of an appropriate value after the issuance of LOA)

**WHEREAS** -The Transport Commissioner, Odisha, 6th Floor, Rajaswa Bhawan, Cuttack, Odisha 753002 has issued a Letter of Award ...<No..... dated .....> for ATS at Cuttack and agreed to enter into a Contract as per RFB[*insert reference number of the RFBs*] dated [*insert date of issue of RFBs*]...and various other documents forming part thereof with [*insert name and address of the Successful Bidder*] .....(hereinafter referred to as the “**Successful Bidder**” which expression shall unless repugnant to the context include its legal representatives, successors and permitted assigns) for the performance, execution and implementation of the Works as specified and based on the terms & conditions set out in the aforementioned RFB.

**AND WHEREAS** as per the requirement of the RFB, the Successful Bidder shall have to submit to the Transport Commissioner, Odisha a Bank Guarantee from a Nationalized/Scheduled bank of India having a branch at Cuttack for an amount of Rs. .... (Rs. in words ... only) [the amount guaranteed under this bank guarantee shall hereinafter be referred to as the “**Guaranteed Amount**”] against due and faithful performance of the Contract, including the performance bank guarantee obligation and other obligations of the Successful Bidder for the supplies made and the Works being performed and executed as per requirements and terms & conditions of the said RFB and the consequent Contract. This bank guarantee shall be valid from the date hereof up to **the period of one year from the date of expiry of the contract period.**

**AND WHEREAS** the Successful Bidder has approached [*insert the name of the scheduled bank*] (here in after referred to as the “**Bank**”) having its registered office at [*insert the address*].....and at the request of the Successful Bidder and in consideration of the promises made by the Successful Bidder, the Bank has agreed to give such guarantee as hereunder:-

- (i) The Bank hereby undertakes to pay under this guarantee, the Guaranteed Amount claimed by the Department without any further proof or conditions and without demur, reservation, contest, recourse or protest and without any enquiry or notification to the Successful Bidder merely on a demand from the Department stating that the amount claimed is due to the Department under the Contract. Any such demand made on the Bank by the Department shall be conclusive as regards the amount due and payable by the Bank under this bank guarantee and the Bank shall pay without any deductions or set-offs or counterclaims whatsoever, the total sum claimed by the Department in such Demand. The Department shall have the right to make an unlimited number of Demands under this bank guarantee provided that the aggregate of all sums paid to the Department by the Bank under this bank guarantee shall not exceed the Guaranteed Amount.
- (ii) However, the Bank’s liability under this bank guarantee shall be restricted to an amount not exceeding Rupees “**Guaranteed Amount**”.
- (iii) The Department will have the full liberty without reference to the Bank and without affecting the bank guarantee to postpone for any time or from time to time the exercise of any powers and rights conferred on the Department as per the said RFB and the consequent Contract and to enforce or to forbear endorsing any powers or rights or by reasons of time being given to the Successful Bidder which under law relating the Surety would but for the provisions have the effect of releasing the surety.
- (iv) The rights of the Department to recover the Guaranteed Amount from the Bank in the manner aforesaid will not be affected or suspended by reasons of the fact that any dispute or disputes have been raised by the Successful Bidder and / or that any dispute(s) are pending before any office,

tribunal or court in respect of such Guaranteed Amount and/ or the Contract.

- (v) The guarantee herein contained shall not be affected by the liquidation or winding up, dissolution, change of constitution or insolvency of the Successful Bidder but shall in all respects and for all purposes be binding and operative until payment of all money due to the Department in respect of such liability or liabilities is affected.
- (vi) This bank guarantee shall be governed by and construed in accordance with the laws of the Republic of India and the parties to this bank guarantee hereby submit to the jurisdiction of the Courts of Odisha at Cuttack for the purposes of settling any disputes or differences which may arise out of or in connection with this bank guarantee and for the purposes of enforcement under this bank guarantee.
- (vii) All capitalized words used but not defined herein shall have the meanings assigned to them under the said RFB and the consequent Contract.

NOTWITHSTANDING anything stated above, the liability of the Bank under this bank guarantee is restricted to the Guaranteed Amount and this bank guarantee shall expire on the completion of one year from the date of expiry of Contract period. Unless a Demand under this bank guarantee is filed against the Bank within six months from the date of expiry of this bank guarantee, all the rights of the Department under this bank guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities hereunder. However, if the Successful Bidder's obligations against which this bank guarantee is given, are not completed or fully performed by the Successful Bidder within the period prescribed under the Contract, the Bank hereby agrees to further extend the bank guarantee for further periods of six months each till the Successful Bidder fulfils its obligations under the Contract.

I/We have the power to issue this bank guarantee in your favour under Memorandum and Articles of Association and the Undersigned has full power to do so under the Power of Attorney dated [*date of power of attorney to be inserted*].....granted to him by the Bank.

Any payment made hereunder shall be free and clear of and without deduction for or on account of taxes, levies, imports, charges, duties, fees, deductions or withholding of any nature imposts.

**Bank Guarantee Number: ..... Date of Issue: .....**

Signature of Authorized Signatory  
Name  
Designation

Date:

Corporate Seal of the Bank

**Important Instruction: The PBG is to be signed by official(s) duly authorized to sign on behalf of the Bank.**



**FORM (H)**  
**Detailed Technical Specifications**  
**(To be filled and submitted along with Technical Bid)**

[The Bidders are required to fill the following form with the detailed description of the proposed equipment. If required, Bidder may also provide drawings/graphical representations along with this form. The Bidder shall maintain the structure of this document].

*1. Vehicle Testing Equipment*

S.No	Equipment	Equipment details for LCV Lane					Equipment details for HCV Lane				
		Make	Model	Country of origin	Office Address in India	Specifications	Make	Model	Country of origin	Office Address in India	Specifications
1.	<b>Electronic Steering Gear Play Detector</b>										
2.	<b>OBD Scan Tool</b>										
3.	<b>Test Fingers (for Electric &amp; Hybrid- Electric Power train vehicles only)</b>										
4.	<b>Insulation Tester(for Electric &amp; Hybrid- Electric Power train vehicles only)</b>										
5.	<b>Free Roller Set (For Speedometertest on All WheelDrive vehicles)</b>										
6.	<b>Bogie Roller Set (For Roller Brake Test or Speedometer Test on multi-axle HCVwith more than onelive axle)</b>										
<b>Equipment details for Two Wheeler test lane</b>											
S.No	Equipment	Make	Model	Country of origin	Office Address in India	Specifications					
7.	<b>Roller brake tester</b>										
8.	<b>Semi-Automatic Headlight tester</b>										
<b>Equipment for testing Three-Wheeler</b>											
9.	Toeing trolley or rail Trolley (For front wheel of 3-Wheeled vehicle)	Make	Model	Country of origin	Office Address in India	Specifications					

*2. IT Equipment*

Sl. No.	Equipment	Make	Model	Country of origin	Office Address in India	Specifications
1	Server					
2	Desktop					

3	Printer					
4	Number Plate Reader Camera					
5	Speed dome Camera					
6	CCTV					
7	Smart TV					
8	LED Screen					
9	GPS enabled camera					

**CALIBRATION EQUIPMENT**

[Please give details as per requirement of Section – 7 of this RFB]

**SOFTWARE CONSIDERATIONS**

[Please give details as per requirement of Section – 7 of this RFB]

**SAFETY SYSTEMS**

[Please give details as per requirement of Section – 7 of this RFB]

**AUTOMATIC TYRE PRESSURE FILLER AND INDICATOR**

[Please give details as per requirement of Section – 7 of this RFB]

**Signature of Authorised Signatory of the Bidder  
Name  
DesignationSeal**

## **FORM (I)**

### **Undertaking from Equipment Manufacturer for Warranty and AMC of Lane Testing Equipment (Duly notarized to be submitted along with Technical Bid)**

To  
The Transport Commissioner,  
6th Floor, Rajaswa Bhawan,  
Cuttack, Odisha 753002

Dear Sir,

- 1) I/We hereby declare that my/ our firm is an OEM/ Authorised supplier of testing lane equipment in India.
- 2) I/we are supplying the testing equipment to the bidder M/s ..... for the RFB No.....
- 3) I/ We hereby submit this undertaking that my/our company shall provide the Warranty and Annual Maintenance Contract (AMC) services for the upgraded equipment and new supplied and installed equipment at ATS Cuttack uninterruptedly to the Transport Commissioner, Odisha Odisha for the period of 7 (five) years from the date of commissioning of the Equipment.
- 4) If the aforementioned bidder fails to provide the Warranty and Annual Maintenance Contract (AMC) services for the supplied and installed testing lane equipment at ATS Cuttack as per the requirement of the RFB, my/our firm shall provide the said services directly to the Transport Commissioner, Odisha and the payment for that the payment for AMC services shall be paid by the Transport Commissioner, Odisha to my/ our firm directly.
- 5) In case of default of aforementioned commitment, my/our company shall be liable for payment of any loss/damage incurred to the Transport Commissioner, Odisha.
- 6) To verify the above Declaration kindly Contact us on below mentioned contact details.

Lead Testing Equipment OEM company name:

Address:

Website:

Contact person name (Director/ MD or equivalent post):

E-mail ID:

Ph. Number:

**Signature of Authorized Signatory of  
Equipment Manufacturer**

**Name DesignationSeal**



**FORM (J)**  
**Description of Approach, Methodology Work and Training Plan**  
**(To be submitted along with Technical Bid)**

The Bidder is requested to provide the following information:

**1. Work Plan and Implementation Schedule**

*[In this document the Bidder shall explain the proposed approach to the assignment, methodology for carrying out the activities and obtaining the expected output. The Bidder shall propose the main activities of the assignment, their content and duration, phasing and interrelations, milestones (including delivery dates, taking into account Transport Commissioner, Odisha requirements, by means of a detailed implementation schedule. The implementation schedule should at least include –*

- *The dates for pre-acceptance testing*
- *The dates for shipment*
- *The dates for starting installation*
- *The dates for acceptance testing*
- *The dates for training of staff*
- *The dates for commissioning*
- *Commencement of Operation*

**2. Proposed Implementation Layouts**

*[The Bidder shall provide the Implementation layout, based on the layout of the facilities included in the current tender, in the document “Section 5 - Sites Description”. The Bidder shall incorporate his implementation proposal in the given layout and submit as part of this Form along with his bid.]*

**3. Requirements on Civil Works and Utilities**

*[The Bidder is required to provide his requirements with respect to civil works and general utilities, like a. Validation of Dimensions and Structural Design]*

**4. General Utilities Requirements (Power and Earthing, Air Conditioning, Ventilation, etc.)**

**5. Project Implementation Team**

*[The Bidder should propose the structure and composition of the team which shall work on implementation of this project. The Bidder shall designate a Project leader who shall be overall responsible for execution of the project and shall act as a single point of contact for Executing Agencies. The Project leader shall be a person with adequate experience in installation of equipment, operation of the Center. The resume of the Project Leader as well as the members of the project implementation team and members of the operational team shall be provided under this chapter along with details of their experience, skill set, training received, etc., as per the Performa for Curriculum Vitae (Form K). The Bidder shall also provide information on the proposed roles of each of the team members, including when the Bidder proposes to deploy them during the assignment.]*

**6. Training Plan**

*[The Bidder shall give a detailed explanation on the Training Plan with respect to (i) Pre- acceptance Training, (ii) Installation and Commissioning Training, and (iii) On-Job Training, included in the Offer, specifying what specific skills the representatives of the Bidder in India will develop, duration of each part of the training and program.]*

**7. Operation Details**



*[The Bidder shall give a detailed explanation on the Operation with respect to the details of the persons involved for managing the Inspection Center and testing the vehicles, reporting, data integration, monitoring, and fees collection, etc. The time required for each test and how the entire operation shall be managed]*

**Signature of Authorised Signatory of  
the Bidder**

**Name DesignationSeal**



**FORM (K)**  
**Perfoma for Curriculum Vitae**  
(To be submitted by the Successful Bidder after signing of Contract)

1. **Name of Staff** [*Insert full name*]:
2. **Date of Birth**: \_\_\_\_
3. **Nationality**: \_\_\_\_\_
4. **Education** [*Indicate college/university and other specialized education of staffmember, giving names of institutions, degrees obtained, and dates of obtainment*]: \_\_\_\_\_
5. **Training** [*Indicate significant training obtained*]:
6. **Countries of Work Experience**: [*List countries where staff has worked in the last ten years*]: \_\_\_\_\_
7. **Languages** [*For each language indicate proficiency: Good, fair, or poor in speaking, reading, and writing*]:
8. **Details of Tasks Assigned for this Assignment** [*List all tasks to be performed under this assignment*]:  
\_\_\_\_\_
9. **Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned**  
[*Among the assignments in which the staff has been involved, indicate the assignments that best illustrate staff capability to handle the tasks listed under point 8.*]
10. **Employment Record** [*Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment : dates of employment, name of employing organization, positions held.*]:

**Signature of Authorised Signatory**  
**Name**  
**Designation Seal**



**FORM (L)**  
**Letter for Submission of Financial Proposal**  
(To be submitted in the financial bid in addition to BOQ)

To,  
The Transport Commissioner,  
Odisha,  
6th Floor, Rajaswa Bhawan, Cuttack, Odisha 753002

Dear Sir,

I/We, the undersigned, offer my/our Financial Bid in response to your RFB No. ....  
Dated..... as per Form L of the RFB.

I/We hereby declare that all the information and statements made in this Bid are true and complete in all respects and are as per the requirements of the RFB.

I/We further understand that any information which is found false or is not as per the requirements and terms & conditions of the RFB may cause disqualification of my/our Bid.

I/ We have studied all the Bid documents carefully and also surveyed the Project.

I/ We agree and understand that the Bid is subject to the provisions of the Bid documents. In no case, I/we shall have any claim or right of whatsoever nature if the Project / Contract are not awarded to me/us or our Bid is not opened or rejected.

I/ We agree and undertake to abide by all the terms and conditions of the RFB document.

In witness thereof, I/ we submit this Bid under and in accordance with the terms of the RFB document.

Yours sincerely,

Authorized Signatory Name [In full]:

Authorized Signature [In initials]:

Designation of Authorized Signatory:Name  
of the Company:

Address:

Seal of the Company



## Form L 1 - Financial Proposal (Not to be enclosed with technical bid)

### SCHEDULE I : COST OF EQUIPMENT

**A:** Quantity of Equipment to be supplied and installed

**B:** Ex-Factory price of Equipment

**C:** Delivery Charges (includes Packaging, Forwarding, and Transportation etc up to sites.)

**D:** GST & all other applicable taxes & duties

(GST & All other Taxes and Duties to be applied as on the date of quoting the prices. No changes shall be allowed subsequently.).

**E:** Net rate is sum of B, C and D.

**F :** Total price ( A x E) in INR

The Bidder Shall not change any content of the items as given below			A	B	C	D		E	F(AxE)
Sl No	Reference of RFB	Description of item	Quantity	Ex- factory price (in INR)	Delivery Charges (in INR)	GST in INR	All other applicable Taxes including Duties, Cess, levies etc., in INR	Net Rate per Unit in INR (sum of Col. 5,6,7 and 8)	Total Cost in INR (Col. 4 x Col 9)
1	2	3	4	5	6	7	8	9	10
<b>Common Equipment</b>									
1	Sec 4	Bogie Roller Set	1						
2	Sec 4	Free wheel Trolley	1						
3	Sec 4	Toeing trolley for three wheeler	1						
4	Sec 4	Calibration Equipment set for Two Wheeler test lane	1						
5	Sec 4	Automatic Tyre pressure filler and indicator	1						
6	Sec 4	Token Software/ Lane management software	1						
7	Sec 4	Number Plate Reader Camera (Digital Camera with on line connectivity to the PC)	1						
8	Sec 4	<b>Desktops</b>	2						
9	Sec 4	<b>Speed dome camera</b>	1						
10	Sec 4	<b>Printer</b>	1						
11	Sec 4	<b>Server</b>	1						
12	Sec 4	<b>Smart TV for CCTV Viewing</b>	1						
13	Sec 4	<b>CCTV</b>	6						
14	Sec 4	<b>TV for Two wheeler test lane</b>	1						
15	Sec 4	<b>Audio paging</b>	1						



16	Sec 4	<b>LAN Network:</b> Necessary LAN network hardware needs to be provided by the Successful bidder. (As per clause 1.4 IT Platform of Annexure IV –Equipment Details & IV-A)	<b>As per Requirement</b>						
17	Sec 4	GPS enabled Camera	5						
Sub Total (In Figures)									
<b>Up gradation of equipment Inspection Lane (Light Commercial vehicles)</b>									
18	Sec 4A	Upgradation of Roller brake tester	2						
19	Sec 4A	Upgradation of Joint Play tester	2						
20	Sec 4A	New purchase of Steering gear play detector (Electronic Turn Table)	2						
21	Sec 4A	New purchase of OBD scan tool	2						
22	Sec 4A	New purchase of Test fingers	2						
23	Sec 4A	New purchase of Insulation Tester	2						
Sub Total (In Figures)									
<b>Up gradation of equipment Inspection Lane (Heavy Commercial vehicles)</b>									
24	Sec 4A	Upgradation of Roller brake tester	2						
25	Sec 4A	Upgradation Joint Play tester	2						
26 27	Sec 4A	New purchase of Steering gear play detector (Electronic Turn Table)	2						
28	Sec 4A	New purchase of OBD scan tool	2						
29	Sec 4A	New purchase of Test fingers	2						
30	Sec 4A	New purchase of Insulation Tester	2						
31	Sec 4A	New purchase of Bogie roller	1						
Sub Total (In Figures)									
<b>Equipment for Two Wheeler Test lane</b>									
32	Sec 4	Exhaust Gas analyser	1						
33	Sec 4	Brake Tester	1						
34 35	Sec 4	Headlight Tester	1						
36	Sec 4	OBD scan tool	1						
37	Sec 4	Test Fingers	1						



RFB for I&C Cuttack up-gradation to ATS, Establishment of Two wheeler test lane and operation of ATS

38	Sec 4	Insulation Tester	1						
39	Sec 4	Exhaust gas handling system for Two wheeler test lane	1						
40	Any other components other than the Equipment covered above		Bidder to specify						
Sub Total (In Figures)									
<b>TOTAL COST OF SCHEDULE IAS PER COLUMN 'F' (in Figures) (inclusive of all taxes)</b>									
<b>TOTAL COST OF SCHEDULE IAS PER COLUMN 'F' (in Words) (inclusive of all taxes)</b>									

**SCHEDULE II: COST OF INSTALLATION & COMMISSIONING OF ALL EQUIPMENT:**

Sl. No	Ref. of RFB	Description of item	AMOUNT (in Figures in INR) (inclusive of all taxes)	AMOUNT (in Words) (inclusive of all taxes)
1	Sec 4	Cost of Installation & Commissioning of all equipment		

**SCHEDULE III: COST OF DESIGN AND CONSTRUCTION OF CIVIL WORK OF EQUIPMENT FOUNDATION**

Sl. No	Ref. of	Description of item	Four Lane Inspection 2 (LCV) + 2 (HCV)	
			AMOUNT (in Figures in INR) (inclusive of all taxes)	AMOUNT (in Words) (inclusive of all taxes)
1	Sec 4	Structural Design of Two wheeler test lane based on the layout provided in below link, construction Test lane shed comprising of electrical, plumbing, equipment foundation, trimix flooring, epoxy coating of 3mm on the flooring, conduiting for cables including 3 phase & Single phase cables, Compressor piping, Drainage, Water Supply, Sewage, Internal and External Electrification.		

**SCHEDULE IV: COST OF OPERATION and AMC OF THE ATS AS PER SCOPE OF WORK GIVEN IN SECTION 4 OF THE RFB**

Sl. No.	Ref of	Description of item	AMOUNT (in Figures in INR ) (exclusive of GST)	AMOUNT (in Words) (exclusive of GST)

1	Sec 4	Operation cost for 84 months as per RFB scope of work (Operation cost per month is Rs..... )		
2	Sec 4	Total Cost of <b>Comprehensive AMC</b> of existing installed testing equipment for 1 <sup>st</sup> year of operation		
3	Sec 4	Total Cost of <b>Comprehensive AMC</b> of existing installed testing equipment for 2 <sup>nd</sup> year of operation		
4	Sec 4	Total Cost of <b>Comprehensive AMC</b> of existing installed testing equipment for 3 <sup>rd</sup> year of operation		
5	Sec 4	Total Cost of <b>Comprehensive AMC</b> of existing installed testing equipment for 4 <sup>th</sup> year of operation		
6	Sec 4	Total Cost of <b>Comprehensive AMC</b> of existing installed testing equipment for 5 <sup>th</sup> year of operation		
7	Sec 4	Total Cost of <b>Comprehensive AMC</b> of existing installed testing equipment for 6 <sup>th</sup> year of operation		
8	Sec 4	Total Cost of <b>Comprehensive AMC</b> of existing installed testing equipment for 7 <sup>th</sup> year of operation		
9	Sec 4	Total Cost of <b>Comprehensive AMC for third year</b> after initial two years of warranty (5% of Total Equipment Cost) (For new equipment)		
10	Sec 4	Total Cost of <b>Comprehensive AMC for fourth year</b> after initial two years of warranty (5% of Total Equipment Cost) (For new equipment)		
11	Sec 4	Total Cost of <b>Comprehensive AMC for fifth year</b> after initial two years of warranty (5% of Total Equipment Cost) (For new equipment)		
12	Sec 4	Total Cost of <b>Comprehensive AMC for fifth year</b> after initial two years of warranty (5% of Total Equipment Cost) (For new equipment)		
13	Sec 4	Total Cost of <b>Comprehensive AMC for fifth year</b> after initial two years of warranty (5% of Total Equipment Cost) (For new equipment)		
14	<b>TOTAL COST OF SCHEDULE IV (in Figures)</b>			
15	<b>TOTAL COST OF SCHEDULE IV (in Words)</b>			

**SCHEDULE V: PROJECT COST**

Sl. No.	Schedule	Description of item	Total Amount in Figures (in INR)	Total Amount In Words
1	I	COST OF EQUIPMENT (inclusive of all taxes)		
2	II	Cost of Installation & Commissioning of all equipment (inclusive of all taxes)		
3	III	Structural Design of Two wheeler test lane based on the layout provided in below link, construction Test lane shed comprising of electrical, plumbing, equipment foundation, trimix flooring, epoxy coating of 3mm on the flooring, conduiting for cables including 3 phase & Single phase cables, Compressor piping, Drainage, Water Supply, Sewage, Internal and External Electrification.  (inclusive of all taxes)		
4	IV	Cost of Operation and AMC (exclusive of GST)		
5	PROJECT COST (in Figures) (Sum of Schedule I, II, III and IV)			
6	PROJECT COST (in Words) (Sum of Schedule I, II, III and IV)			

Yours sincerely,

Authorized Signatory Name [In full]:

Authorized Signature [In initials]:

Designation of Authorized Signatory:

Name of the Company:

Address:

Seal of the Company



**Form (M)**  
**Format for Affidavit Certifying Non-Blacklisting**

(Notarized Copy of the format to be submitted with technical bid)

To,

The Transport Commissioner,  
Office of the Transport Commissioner, Odisha  
6th Floor, Rajaswa Bhawan, Cuttack-753002  
Government of Odisha

**Subject: SELECTION OF SUCCESSFUL BIDDER FOR UPGRADATION OF EXISTING INSPECTION AND CERTIFICATION CENTRE AT CUTTACK TO AUTOMATED TESTING STATION, ESTABLISHMENT OF TWO-WHEELER TEST LANE AND OPERATION AND MAINTENANCE OF ATS**

I, M/s. ....(bidder), (the names and addresses of the registered office) hereby certify and confirm that we or any of our promoters/ directors are not barred or blacklisted by Office of the Transport Commissioner , Odisha or any State Government or Central Government or any Government agency / Department from participating in projects as on the proposal due date.

We undertake that, in the event of us or any of our promoters/directors being blacklisted / barred at any time post the date of this affidavit, we shall intimate Office of the Transport Commissioner, Odisha of such blacklisting.

Dated this \_\_\_\_\_ Day of \_\_\_\_\_.

Name of the bidder: \_\_\_\_\_

Signature of the Authorised Signatory: \_\_\_\_\_

Name of the Authorised Signatory with Date and seal: \_\_\_\_\_



**Form (N)**  
**Deviations Suggested**  
(To be submitted along with Technical Bid)

*[The Bidder must present and justify here any modification or improvement to the suggested Conditions of Contract proposed to in the interest of Transport Commissioner, Odisha. Such suggestions should be concise and to the point. In case, the Bidder does not want to suggest any deviation, this section must contain a statement indicating "No Deviation Suggested"]*

*[The Bidder shall use the following template in order to explain the deviations, and fill and include in the current document as many templates as deviations appear in its offer. The Bidder shall be required to furnish a separate sheet as per the following template for each deviation suggested.]*

Subject	Minimum Requirement appearing on the RFB
	[Please copy the requirement on the Equipment Details]
Proposed Specification	
[Explain in detail what alternative solution are you proposing]	
Reasons for the proposed solution to be superior than initial requirement	
[Give clear reasons why you think the proposed solution is better than the Requirement expressed in this RFB]	



## Form (O) References

(Notarized copy to be submitted along with Technical Bid)

### 1.1 Past Experience References

*[In response to requirement appearing in point Point 2 in Table 2 of clause 2.10 of “Section 2 Instruction to bidder”, Bidder shall provide the details of all projects handled by it during last three years, where the Bidder has executed the work and qualifies the minimum requirement as prescribed in this RFB. Also the equipment manufacturer/ Supplier met specifications and accuracies similar to the requirements appearing in “Section 7”, as per the table below.]*

<i>b. References of bidder/ consortium member</i>					
<i>S. No.</i>	<i>Description of Work executed</i>	<i>Year of completion of work</i>	<i>Country</i>	<i>Role- operation</i>	<i>Name and ContactDetails of the Client</i>
<i>1</i>					
<i>2.....</i>					
<i>c. References of equipment manufacturer/ Supplier</i>					
<i>S. No.</i>	<i>Description of Equipment</i>	<i>Year of Installation</i>	<i>Country</i>	<i>Role-supplier</i>	<i>Name and ContactDetails of the Client</i>
<i>1</i>					
<i>2.....</i>					



## **Form (P) Service Support**

(To be attached with technical bid)

The Bidder is requested to include in each chapter of the current document, the following information in order to demonstrate the compliance with requirements appearing in Section 4: scope of work & supply of equipment.

### **1.1 Service Support Organization**

[The Bidder shall provide the details of service support establishments in India with the strength of service personnel at each of the service center. The location and capacity (role and workforce) of the Service Support in India shall be clearly specified, and resumes for the key service personnel shall be provided in the current chapter, using “Proforma for Curriculum Vitae”. The details of all service personnel in India shall be provided as per table below.

<i>Name</i>	<i>Location</i>	<i>Role</i>	<i>Years of Experience</i>

[The Equipment supplier shall also describe the Structure of the Service Support which will be put at the Center disposal for smooth Operation and Technical Support, describing how the local Service Support will interface with the employees for operation of the Centre, in terms of work force and spare parts. Further, the Bidder shall provide the details of location and mechanism of service support from parent company if situated outside India. The Bidder shall provide the resumes of key personnel from its world-wide service support organization who will be responsible for providing the service support to State governments.

Extent of breakdowns which would be solved, the process required to solve them and the associated duration and down times shall be described.

Further, the extent of breakdowns which would require Worldwide Support, the process required to solve them and the associated duration and down times shall also be described.]

### **1.2 Warranty Conditions**

[The Bidder is requested to include in this chapter his acceptance of the exact same conditions required in “in Section 4: scope of work & supply of equipment” about Warranty. The full Conditions and Coverage of the Warranty can also be attached to this document, provided they do not contradict the above conditions. Exclusions from Warranty need to be specified explicitly. In case there is no exclusion from the warranty, the Bidder shall be required to specifically state so. Warranty is however included as a part of the Operation Cost. In case of breakdown of any machinery or non-operation of any equipment, the Bidder is required to replace the same at its own cost as soon as possible so as to reduce the down time.]

### **1.3 Comprehensive Annual Maintenance Contract**

[The Bidder is requested to include in this chapter his acceptance of the exact same conditions required in “Section 4: scope of work & supply of equipment” about Comprehensive AMC. The complete Annual Maintenance Contract can also be attached to this document, provided they do not contradict the above conditions. The price for Comprehensive AMC shall be provided in the Financial Bid. No information on the price shall be provided under this chapter]

### **1.4 Spare Parts List**

[The Bidder is required to include in this chapter the full list of Spare Parts which will be required to ensure the needs for the five years of operation of the equipment’s. Complete replacement of the Spare parts for operation of the Centre is the responsibility of the Bidder.]