

**REQUEST FOR PROPOSAL (RFP) FOR SELECTION OF OPERATOR(S) FOR ESTABLISHMENT, OPERATION & MAINTENANCE OF AUTOMATED DRIVING TEST SYSTEM (ADTS) ON PPP MODEL IN ODISHA**

**CORRIGENDUM NO. 1 (16.02.2022)**

Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause
<b>Volume I</b>			
1.	I / 4	<p><b>Due Date of Submission of Bid Documents</b> Bids along with DD for RFP Fee shall be submitted on or before 23<sup>rd</sup> February 2022 by 1600 hrs at Office of the Transport Commissioner cum Chairman, STA Motor Vehicle Department, Government of Odisha 6th Floor, Rajaswa Bhawan, Chandini Chowk, Cuttack – 753002.</p> <p><b>Technical Bid Opening Date, Time &amp; Venue</b> On 24th February 2022 at 1600hrs at Office of the Transport Commissioner cum Chairman, STA Motor Vehicle Department, Government of Odisha 6th Floor, Rajaswa Bhawan, Chandini Chowk, Cuttack - 753002</p>	<p><b>Due Date of Submission of Bid Documents</b> Bids along with DD for RFP Fee shall be submitted on or before 3<sup>rd</sup> March 2022 by 1600 hrs at Office of the Transport Commissioner cum Chairman, STA Motor Vehicle Department, Government of Odisha 6th Floor, Rajaswa Bhawan, Chandini Chowk, Cuttack – 753002</p> <p><b>Technical Bid Opening Date, Time &amp; Venue</b> On 4<sup>th</sup> March 2022 at 1500 hrs at Office of the Transport Commissioner cum Chairman, STA Motor Vehicle Department, Government of Odisha 6th Floor, Rajaswa Bhawan, Chandini Chowk, Cuttack - 753002</p>
2.	I / 2.2.4/8	The Operator(s) shall be responsible for payment of all utility expenses (electricity, water, telephone, internet/broadband services / lease line) for the services being utilized by the operation of ADTS and VAS.	The Operator(s) shall be responsible for payment of all utility expenses (electricity, water, telephone, internet lease line) for the services being utilized by the operation of ADTS and VAS.
3.	I / 2.2.7/8	The Operator(s) shall provide leased line connection of minimum 30 Mbps 1:1 at each project site. If the same cannot be provided, the Operator(s) shall provide broadband connection of 30 Mbps to provide services as per the contractual terms.	The Operator(s) shall provide leased line connection of minimum 30 Mbps 1:1 at each project site.

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4.	I / 2.6.2/9	<p>The centers may be operated beyond the office hours and on holidays to conduct testing to meet the appointment schedules or training or to provide service to other organizations or allow practice by individuals limited to the provisions of the RFP without disturbing the Authority's appointment schedule of candidates seeking permanent driving license.</p>	<ul style="list-style-type: none"> <li>• Centers can be given by selected bidder on chargeable basis to the individuals for practice provided it doesn't disturb Authority's appointment schedule of candidates seeking permanent driving license.</li> <li>• Any activity not included in the list of Value Added Services in the RFP may be undertaken by the operator with the written approval by the authority. The revenue generated through such activities shall have to be share with the authority.</li> <li>• The revenue share of the operator in such cases shall not be less than 50%.</li> <li>• The revenue collection shall be through the Authority and payments will be released to the operator after monthly reconciliation within 10 working days.</li> </ul>
5.	I / 6.3.1 (a) / 18 & 19	<p>Qualifications Criteria The Bidder (or any member of the consortium/JV) shall have experience of development, installation and maintenance of</p> <ul style="list-style-type: none"> <li>• atleast two multi location IT related service projects providing solutions (minimum 2 service delivery locations for each project) during the last five (5) financial years in India. Details of the same are to be provided as per the format indicated in Annexure 5 of Volume 1 of RFP</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>• at least one multi location IT related service projects providing solutions (minimum 4 service delivery locations) during the last five (5) financial years in India. Details of the same are to be provided as per the format indicated in Annexure 5 of Volume 1 of RFP.</li> </ul> <p>Please note that the distance between any two service delivery locations in each project shouldn't be less than 50 kilometers.</p>	<p>Qualifications Criteria The Bidder (or any member of the consortium/JV) shall have experience of development, installation and maintenance of</p> <ul style="list-style-type: none"> <li>• atleast two multi location IT / ICT / e-Governance related service projects providing solutions (minimum 2 service delivery locations for each project) in the Government / Semi-Government / Government Undertaking / Public Sector domain during the last five (5) financial years in India. Details of the same are to be provided as per the format indicated in Annexure 5 of Volume 1 of RFP</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>• at least one multi location IT / ICT / e-Governance related service projects providing solutions (minimum 4 service delivery locations) Government / Semi-Government / Government Undertaking / Public Sector domain during the last five (5) financial years in India. Details of the same are to be provided as per the format indicated in Annexure 5 of Volume 1 of RFP.</li> </ul>

Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause
6.	I / 6.3.1 (c)/19	<ul style="list-style-type: none"> <li>The Bidder (or any member of the consortium/JV) may have experience of successful execution of atleast one project providing Video Analytics based Driving testing solution with minimum 50,000 tests in LMV Category conducted through the system during the last five (5) financial years in India as on bid submission date. Details of the same are to be provided as per the format indicated in Annexure 6 of Volume 1 of RFP.</li> </ul>	<ul style="list-style-type: none"> <li>The Bidder (or any member of the consortium/JV) may have experience of successful execution of atleast one project providing Automated Driving Testing Solutions based on Video Analytics with minimum 50,000 tests in LMV Category conducted through the system during the last five (5) financial years in India as on bid submission date. Details of the same are to be provided as per the format indicated in Annexure 6 of Volume 1 of RFP.</li> </ul>
7.	I / 6.3.1 (d)/19	<ul style="list-style-type: none"> <li>The Bidder (or any member of the consortium/JV) must possess a valid (as on the date of submission of Bid) quality certification ISO 9001:2015 or CMMI level 5 or both of above. The Bidder (or any member of the consortium/JV) must also mandatorily possess a valid (as on the date of submission of bid) quality certification ISO 27001.</li> </ul>	<ul style="list-style-type: none"> <li>The Bidder (or any member of the consortium/JV) must possess a valid (as on the date of submission of Bid) quality certification ISO 9001:2015 or minimum CMMI level 3 / CMMI level 5 or both of above. The Bidder (or any member of the consortium/JV) must also mandatorily possess a valid (as on the date of submission of bid) quality certification ISO 27001.</li> </ul>
8.	I / 6.3.1 Notes (iv) / 20	Undertaking wrt technical team members required as indicated above should be enclosed and signed as per the format indicated at Annexure 4	Undertaking wrt technical team members required as indicated in Annexure 4 should be enclosed and signed as per the format indicated at Annexure 4
9.	I / 7.3.1 (1) / 21	<ul style="list-style-type: none"> <li>DD for RFP Fee</li> </ul>	<ul style="list-style-type: none"> <li>DD for RFP Fee and Bank Guarantee for EMD</li> </ul>
10.	I / 7.3.3 (a) / 23	<ul style="list-style-type: none"> <li>The sealed envelope marked as “Technical Bid” shall contain the documents and associated enclosures as required as indicated in 7.3.1 above</li> </ul>	<p>The sealed envelope marked as “Technical Bid” shall contain</p> <ul style="list-style-type: none"> <li>documents and associated enclosures as required as indicated in 7.3.1 (1) and 7.3.1 (2) above.</li> <li>Soft copy in CD consisting of scanned copies of all the documents and associated enclosures as required as indicated in 7.3.1 (1) and 7.3.1 (2) in PDF format above.</li> </ul>
11.	I / 8.2.3 (g) / 26	<p>The Bids/Eligibility and Qualification Submission of the Bidder determined to be responsive, meeting Eligibility and Qualification Criteria shall be declared Eligible and Qualified Bids (the “Eligible and Qualified Bids”/ “Eligible and Qualified Bidder”) based on a marking scheme as per the technical proposal evaluation criteria detailed below:</p> <p><b>Technical Proposal Evaluation Criteria</b></p>	Refer Annexure A

Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause																	
		The Bids, qualifying the Pre-Qualification Criteria, shall be evaluated / scored based on the following evaluation matrix:																		
12.	I / 9.1.3 / 31	The Authority, after negotiation and verification of original documents and shall enter into Operator Agreement with the Successful Bidder for Cluster 1.	The Authority, after verification of original documents shall enter into Operator Agreement(s) with the Successful Bidder(s).																	
13.	I / Annexure 4 – (B) During Operation Phase / 44	<ul style="list-style-type: none"> <li>• System Administer with Diploma / Graduate / Post Graduate in Computer– 1 No.</li> <li>• Registration Counter Operator(s) with basic knowledge of Software – 2 Nos.</li> <li>• Control Room Operator(s) with Diploma / Graduate having basic knowledge of Software – 3 Nos.</li> <li>• Test Track Monitors – 3 Nos.</li> <li>• Maintenance / Cleaning Staff – 2 Nos.</li> <li>• 24 x 7 Security Staff – 3 Nos.</li> </ul>	<table border="1"> <thead> <tr> <th rowspan="2">Manpower Details</th> <th colspan="2">Minimum Manpower Requirements at One Location (LMV &amp; Two wheeler)</th> </tr> <tr> <th>If daily tests are less than 75</th> <th>If daily tests are more than 75</th> </tr> </thead> <tbody> <tr> <td>System Administer with Diploma / Graduate / Post Graduate in Computer</td> <td>1</td> <td>1</td> </tr> <tr> <td>Registration Counter Operator(s) with basic knowledge of Software</td> <td>1</td> <td>1</td> </tr> <tr> <td>Control Room Operator(s) with Diploma / Graduate having basic knowledge of Software</td> <td>2</td> <td>2</td> </tr> <tr> <td>Test Track Monitors</td> <td>1</td> <td>2</td> </tr> </tbody> </table> <p><b>Maintenance and security manpower for ADTS may be planned by the operator as per the site requirements.</b></p>	Manpower Details	Minimum Manpower Requirements at One Location (LMV & Two wheeler)		If daily tests are less than 75	If daily tests are more than 75	System Administer with Diploma / Graduate / Post Graduate in Computer	1	1	Registration Counter Operator(s) with basic knowledge of Software	1	1	Control Room Operator(s) with Diploma / Graduate having basic knowledge of Software	2	2	Test Track Monitors	1	2
Manpower Details	Minimum Manpower Requirements at One Location (LMV & Two wheeler)																			
	If daily tests are less than 75	If daily tests are more than 75																		
System Administer with Diploma / Graduate / Post Graduate in Computer	1	1																		
Registration Counter Operator(s) with basic knowledge of Software	1	1																		
Control Room Operator(s) with Diploma / Graduate having basic knowledge of Software	2	2																		
Test Track Monitors	1	2																		
14.	I / Annexure 15 Notes (i) / 62	For the purposes of evaluation, only the Aggregate Cost as per Row 1 above based on <b>Base Rate</b> shall be considered. Taxes as applicable will be payable at applicable rate over the above the Base Rate upon being satisfied as to its applicability but will not be part of financial	For the purposes of evaluation, only the Base Rate as per Row 1 above based on <b>Base Rate</b> shall be considered. Taxes as applicable will be payable at applicable rate over the above the Base Rate upon being satisfied as to its applicability but will not be part of financial evaluation																	

Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause
		evaluation for comparison of bids. The Services availed by the Operator(s) from its own Operators for services such as AMC, procurement of capital equipment etc represents the Operator's costs and Authority shall not pay any or reimburse any such taxes.	for comparison of bids. The Services availed by the Operator(s) from its own Operators for services such as AMC, procurement of capital equipment etc represents the Operator's costs and Authority shall not pay any or reimburse any such taxes.  Please refer Annexure B for revised Annexure 15
15.	I / Annexure 15- Section B /63	SECTION B: DETAILED BILL OF QUANTITIES (BOQ) - Enclosed as Appendix	Please refer Annexure C for Revised Bill of Quantities (BOQ)
16.	I / Annexure 15- Section.B-Sr.No. 10/ 64	GPU High-end Smartphone with fitment accessories – 15 Nos	Please refer Annexure C for Revised Bill of Quantities (BOQ)
17.	I / Annexure 15- Section.B-Sr.No. 11/ 64	Cameras for Eight Track, S-Track, Gradient Track, Zig-Zag Track, Traffic Signal & Zebra Crossing, Parallel Parking, Crossing – 17 Nos.	Please refer Annexure C for Revised Bill of Quantities (BOQ)
<b>Volume II</b>			
18.	II / 2.3.1 (b) / 10	Operator shall submit a Consortium Agreement (the contract between the consortium members) comprising the terms specified hereunder, alongwith the submission of RFP Document OR within 10 days from LOA to Authority for its review which shall become part of this Agreement.	Operator shall submit a Consortium Agreement (the contract between the consortium members) comprising the terms specified hereunder, along with the submission of RFP Document to Authority for its review which shall become part of this Agreement.  Clauses 2.3.1 (b) (i) to 2.3.1 (b) (ix) to be retained.
19.	II / 4.1.5 / 13	The Authority shall allow the Operator to erect and install the adequate civil and networking infrastructure for ADTS as per the details in Volume 3 of RFP. The site shall be handed over to the Operator for erection of the civil and IT infrastructure for a 2-month period within 90 days from the date of signing of the Operator agreement	The Authority shall allow the Operator to erect and install the adequate civil and networking infrastructure for ADTS as per the details in Volume 3 of RFP. The site shall be handed over to the Operator for erection of the civil and IT infrastructure for a 2-month period within 90 days from the date of site handover at each location.
20.	II / 4.1.8 / 13	The Operator shall provide adequate lease line connection not less than 30 Mbps 1:1 at each project site. If lease line connection isn't	The Operator shall provide adequate lease line connection not less than 30 Mbps 1:1 at each project site.

Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause
		available at the respective location, the Operator shall provide stable broadband connection not less than 30 Mbps to provide uninterrupted services of the ADTS.	
21.	II / 13 / 20	PROVISIONAL CERTIFICATE Authority shall issue Provisional Certificate within three working days of receipt of Inspection Report of CIRT on ADTS established in good condition along with valid required documents. The Provisional Certificate issued by the Authority shall not be considered the Acceptance of the ADTS for deployment for operations as per the conditions of the Agree	The clause stands deleted.
22.	II / 16.3 (i) / 21	The total delay shall include the CIRT inspection and certification period	The total delay shall exclude the CIRT inspection and certification period
23.	II / 24.1.3 / 26	The User Fee shall be revised after 5 years. An upward price revision of 15% over the prevailing rate will be allowed after 5 years from the date of commencement of operations of 50% of the locations in the respective cluster for the remaining contract tenure.	The User Fee shall be revised after 5 years. An upward price revision of 15% over the prevailing rate will be allowed after 5 years from the date of commencement of operations of 50% of the locations in the respective cluster for the remaining contract tenure. Hence the user fee will be revised during the 6 <sup>th</sup> year and 11 <sup>th</sup> year (if contract is extended).
24.	II / 25.1.3 / 27	Any other payments due to the Operator as per the provisions of clause 28.1.2(vii) of Volume 2 of RFP.	Any other payments due to the Operator as per the provisions of clause 28.1.2(vii) of Volume 2 of RFP. Revenue generated through any activity not included in the list of value added services shall also be considered. The revenue generated through such activities shall have to be share with the authority. The revenue share of the operator in such cases shall not be less than 50%.
25.	II / 25.4.12		The bill for the revenue generated through the activities not identified in the list of Value added services may be submitted by the operator. The bill shall be scrutinised and released after the departmental verification and reconciliation within 10 working days of the submission of the bills.

Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause
26.	II / 28.1.1 (b) / 32	The requirement of manpower provided in clause 28.1.1 above is indicative only. The Operator is expected to visit each site & assess the manpower requirement on the basis of the number of licenses issued from each office so as to ensure speedy disposal of the applicants. However, at places where there are more than two sets of driving tracks or the working hours are more than 8 hours the manpower shall be assessed and provided accordingly by the Operator.	The minimum requirement of manpower has been provided in clause 28.1.1 above. The Operator is expected to visit each site & assess the manpower requirement on the basis of the number of licenses issued from each office so as to ensure speedy disposal of the applicants. However, at places where there are more than two sets of driving tracks or the working hours are more than 8 hours the manpower shall be assessed and provided accordingly by the Operator.
27.	II/28.1.3/36	The Authority, its authorized personnel, and authorized Operator shall have complete access and shall not be in any manner obstructed by the Operator, or its personnel.	The Authority, its authorized personnel, and authorized Operator shall have complete access and shall not be in any manner obstructed by the Operator, or its personnel. The operator shall provide a list of authorised personnel who are expected to work on the system at each location. Any change in the list, needs to be intimates to the Authority in writing.
28.	II/32.1.2/43	In the event the Operator fails to perform any parameter as highlighted in sub-clause (i) above, it shall be liable to pay fines to the Authority for such non-performance in accordance with Annexure 6 to this Agreement.	In the event the Operator fails to perform any parameter as highlighted in sub-clause above, it shall be liable to pay fines to the Authority for such non-performance in accordance with Annexure 6 to this Agreement.
29.	II / 33.3.1 / 44	All ADTS software application developed by Operator in relation to the Project and any modifications thereto or works derived there-from shall be the exclusive property of the Operator at all times. Provided however that the Authority shall have the right to possess and use the same during the Agreement Period for purposes of effective implementation and maintenance of the Project.	All ADTS software application developed by Operator in relation to the Project and any modifications thereto or works derived there-from shall be the exclusive property of the Operator at all times. Provided however that the Authority shall have the right to possess and use the same for purposes of effective implementation and maintenance of the Project in the event of termination of contract before the expiry of the contract without being liable to pay any additional amount/royalty to the Operator.
30.	II / 33.3.2 / 44	In the event of termination of contract before the expiry of the contract without being liable to pay any additional amount/royalty to the Operator.	The clause stands deleted.

Sl. No.	Volume / Clause / Page No.	Existing Clause		Revised Clause	
31.	II / 36.1.3 (iii) / 49	to formulate damage mitigation measures and steps to be undertaken by the Parties for resumption of obligations the performance of which shall have been affected by the underlying Force Majeure Event;		<p>a) to formulate damage mitigation measures and steps to be undertaken by the Parties for resumption of obligations the performance of which shall have been affected by the underlying Force Majeure Event;</p> <p>b) to identify the period for resuming the ADTS operations and waiving the penalty for downtime;</p>	
32.	II/37/50 (New clause)	37.2 Upon occurrence of a Change in law,		<p>c) In case there would be any change made in the prevailing law by the Government of India and Government of Odisha, where the contractor / concessionaire will cease to provide services regarding functioning of ADTT during validity of contract, which is not attributed to the fault of the contractor, State Government will pay compensation to the contractor considering following factors.</p> <p>i. Total amount invested by the contractor.</p> <p>ii. Total amount recovered by the contractor from the date of commercial operation till date of closure of ADTT.</p> <p>iii. Validity of contract period.</p> <p>iv. Depreciation charges.</p> <p>v. Amount of compensation will be determined on proportionate basis.</p> <p>vi. A committee headed by Transport Commissioner with Addl. Commissioner Transport (Tech.), Member and representative of the contractor will be constituted to decide the amount of compensation.</p>	
33.	II/Annexure 2	2. DRIVER LICENSES ISSUED & TRACK CAPACITIES		Refer <u>Annexure D</u>	
34.	II / 38.1.2 / 50	In case of termination, the security deposit paid by the Operator shall be forfeited by the Authority and all balance dues if any will not be paid to the Operator.		In case of termination, the security deposit paid by the Operator shall be forfeited by the Authority.	
35.	II / Annexure 6 – Section 1 – Sr. No. 2 / 72	2W/LMV testing center at each location not operational for more than 16 hours per month during the working hours of the ADTS	Rs 1000 per non-operational hour per 2W/LMV testing center	2W/LMV testing center at each location not operational for more than 16 hours per month during the working hours of the	Rs 1000 per non-operational hour per 2W/LMV testing center



Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause
			ADTS excluding the period identified as per clause 36.1.3 (iii) in volume II of RFP
36.	II / Annexure 9 – 4(a) / 79	Escrow agent shall electronically transfer 90% of the daily collection in the Escrow account, on next day, to the Operator Designated account i.e. ....	Escrow agent shall electronically transfer 90% of the daily collection in the Escrow account, within two working days of test report generation, to the Operator Designated account i.e. ....
<b>Volume III</b>			
37.	III / 6 - 3 / 7	3. Online Smartphone Evaluation for LMV 6.3.1. Applicant face detection throughout test 6.3.2. Seat Belt detection throughout test. 6.3.3. Use of Left / Right / Rear Mirror 6.3.4. Use of Mobile phone while driving	3. Online Smartphone Evaluation for LMV 6.3.1. Applicant face detection throughout test 6.3.2. Seat Belt detection throughout test. 6.3.3. Use of Left / Right / Rear Mirror
38.	III / 7 / 7	The ADTS System should generate driving test result in less than a minute after completion of test. The Test Result should include <ul style="list-style-type: none"> <li>Name of the Applicant</li> <li>Applicant ID</li> <li>Date &amp; Time of Test</li> <li>Photographs of the Applicant</li> <li>Entry &amp; Exit Time for each Test</li> <li>Marks obtained for each test as per the vehicle category</li> <li>Maximum marks</li> <li>Result Pass/Fail (Sample test result format enclosed in Annexure</li> </ul>	The ADTS System should generate driving test result in <b>less than 10 seconds</b> after completion of test in each test track formation. The Test Result should include <ul style="list-style-type: none"> <li>Name of the Applicant</li> <li>Applicant ID</li> <li>Date &amp; Time of Test</li> <li>Photographs of the Applicant</li> <li>Entry &amp; Exit Time for each Test</li> <li>Marks obtained for each test as per the vehicle category</li> <li>Maximum marks</li> <li>Result Pass/Fail (Sample test result format enclosed in Annexure</li> </ul>
39.	III / 8.9 / 9	Detect use of Mobile during driving	Stands Deleted
40.	III / 9	9. Standard Operating Procedure	Please refer Annexure E

Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause
41.	III / 10.114 / 15	Surveillance & Video Analytics retention period 3 months	Video Analytics retention period 3 months. After 90 days the videos may be overwritten excluding videos which are marked for audit or RTI. Such video users should be able to download under password protection and download logs activity to be maintain in the system. The videos of successive LMV test formations need not be recorded, once the candidate fails in any single LMV test formation.
42.	III / 25 (m) / 21	Bidder may require carrying approx. 1000 tests of LMV & 1000 test of two wheelers. The bidder to provide necessary vehicle for testing the system. The RTO may also conduct live applicants driving test, the result of these applicants will not affect day to day manual testing result.	Bidder may require carrying approx. 500 tests of LMV & 500 test of two wheelers. The bidder to provide necessary vehicle for testing the system. The RTO may also conduct live applicants driving test, the result of these applicants will not affect day to day manual testing result.
43.	III/28.1 - Sl.No. 20 / 24	Auto Moisture, Dust Cleaner	Auto Moisture, Dust Cleaner (optional)
44.	III/ 28.1 - Sl.No. 3 / 26	1/1.8" progressive scan CMOS	1/1.8" or 1/2.8" progressive scan CMOS
45.	III/ 28.3 / 26	Indoor IP Surveillance Camera 4 megapixel	Stands Deleted
46.	III/ 28.8 – Sr. No. 01 / 29	Traffic Signal Body Size - 200 mm & 300 mm Dia.	Traffic Signal Body Size - 200 mm (8 Inches)
47.	III/ 28.9 – Sr. No. 01 / 29	Traffic Signal System Rest of the Test Tracks Size - 300 mm diameter	Traffic Signal System Rest of the Test Tracks Size - 200 mm Diameter
48.	III / 28.15 / 34	Surveillance System Specification	Stands Deleted
49.	III/ 28.21 - 5 / 38	Surveillance Application Software, Surveillance Video Data	Stands Deleted
50.	III/ 28.22 / 38	Specification of Network Video Recorder – For Surveillance	Stands Deleted
51.	III/ 28.26 / 42	Specification of Smartphone	Stands Deleted

Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause
52.	III/28.27/42	<ul style="list-style-type: none"> <li>Internet lease line 30 mbps 1:1 uncompressed, unlimited bandwidth with redundant broadband line.</li> <li>If internet lease line not available, broadband of 30 mpbs with redundant line</li> </ul>	<ul style="list-style-type: none"> <li>Internet lease line 30 mbps 1:1 uncompressed, unlimited bandwidth with redundant broadband line.</li> </ul>
53.	III / 33.3 / 42	Smartphone specification	Please refer <b>Annexure F</b> for revised specifications
54.	III/ 33.3 – Sl.No. 15 / 49	Sensors - Fingerprint (under display, optical), accelerometer, gyro, proximity, compass	Items are optional
55.	III/ 45.4 – 2 (e) / 61	Details of Components' Downtime (time periods and duration in hours & minutes HH:MM 3 Point Turn /Square Track	3 Point Turn /Square Track stands deleted
56.	III/ 45.10 – Track Type / 65	Test conducted in a Day, detail report Track Type – Square Track	Stands Deleted
57.	III/ 46 / 71	Approx. 10 to 12 smartphones required with adequate good quality mobile holder, charging stations	Stands Deleted
58.	III/ 46-Note / 71	<p>Note: Camera Recording Function</p> <ul style="list-style-type: none"> <li>Smartphone to capture image front &amp; rear for each test, start and end of the test.</li> <li>Smartphone Video to be downloaded in the respective RTO Server installed.</li> <li>Smartphone Video Front &amp; Rear to be stitched and must be embossed with Applicant ID, Applicant Name, Date &amp; Time</li> <li>Video Analytics &amp; Top View Camera should record Pass / Fail / Re-Test complete video.</li> <li>The recording of each video will be full length mode when test is active.</li> </ul>	<p>Note: Camera Recording Function</p> <ul style="list-style-type: none"> <li>Smartphone to capture applicant image for each test, start and end of the test.</li> <li>Smartphone images of the applicant to be downloaded and stored in the server. Video of mirror gazing only to be recorded.</li> <li>Images, videos captured from the Smartphone must be embossed with Applicant ID, Applicant Name, Date &amp; Time</li> <li>Video Analytics &amp; Top View Camera should record Pass / Fail / Re-Test complete video.</li> <li>The recording of videos from Video Analytics &amp; Top View Camera will be stored in full length mode for each test.</li> </ul>
59.	New item	-	RFID Reader & Antenna Specification - Please refer <b>Annexure G</b>

Sl. No.	Volume / Clause / Page No.	Existing Clause	Revised Clause
60.	New item	-	Variable Message Sign (VMS) - Please refer <a href="#">Annexure H</a>
61.	Additional Information	-	Drawing RTO Rairangpur - Please refer <a href="#">Annexure I</a>
<b>62.</b>	Additional Information	-	TYPICAL LAYOUT PLAN – ADTT ODISHA - Please refer <a href="#">Annexure J</a>

g) The Bids/Eligibility and Qualification Submission of the Bidder determined to be responsive, meeting Eligibility and Qualification Criteria shall be declared Eligible and Qualified Bids (the “Eligible and Qualified Bids”/ “Eligible and Qualified Bidder”) based on a marking scheme as per the technical proposal evaluation criteria detailed below:

**Technical Proposal Evaluation Criteria**

The Bids, qualifying the Pre-Qualification Criteria, shall be evaluated / scored based on the following evaluation matrix:

S. No.	Criteria	Marks	Maximum Marks	
1	The Bidder must have an Average Annual Turnover of last 3 (three) financial years (i.e., 2017-18, 2018-19 and 2019-20) as follows:		15	
	<b>In case of Company/ Partnership firm/ Proprietary Firm</b>	<b>In case of Consortium/JV</b>		
	INR 25 Crs. to INR 30 Crs	INR 40 Crs. to INR 50 Crs		5
	INR 30.01 Crs. to INR 75 Crs.	INR 50.01 Crs. to INR 100 Crs.		10
	More than INR 75 Crs.	More than INR 100 Crs.		15
2	The Bidder (or Lead partner in case of consortium or all members/parties in case of JV) should have a positive net worth in financial year 2019-20 as per the audited reports:		15	
	Upto INR 25.00 Crs	5		
	INR 25.01 Crs. to INR 50.00 Crs.	10		
	More than INR 50.01 Crs	15		
3	The Bidder (or any member of Consortium/JV) should have experience of execution of multi-location e-Governance projects in the e-Governance domain in last 5 financial years (2015-16, 2016-17, 2017-18, 2018-19 and 2019-20) in India.		15	
	2 such projects with minimum 2 service delivery locations for each project or 1 such project with minimum 4 service delivery locations	5		
	4 such projects with minimum 3 service delivery locations for each project or 2 such project with minimum 6 service delivery locations	10		
	6 or more such projects with minimum 3 service delivery locations for each project or 3 or more such projects with minimum 6 service delivery locations	15		
4	The Bidder (or any member of the consortium/JV) shall have experience of successful execution of at least one project providing Video Analytics solutions based Automated Driving testing solution during the last five (5) financial years (2015-16, 2016-17, 2017-18, 2018-19 and 2019-20) in India.		6	
	1 project	2		
	2 projects implemented in two different State / UTs	4		
	3 projects implemented in three different State / UTs	6		

S. No.	Criteria	Marks	Maximum Marks
5	The Bidder (or any member of the consortium/JV) may have experience of successful execution of atleast one project providing Video Analytics based Automated Driving testing solution with minimum 50,000 tests in LMV Category conducted through the system during the last five (5) financial years (2015-16, 2016-17, 2017-18, 2018-19 and 2019-20) in India.		9
	50,000 – 1,00,000 tests	3	
	1,00,001 – 2,00,000 tests	6	
	2,00,001 or more tests	9	
6	The Bidder must possess a valid (as on the date of submission of the bid) quality certification ISO 9001:2015 / ISO 27001 / minimum CMMI level 3 / CMMI level 5 certification		10
	Any one Certification ISO 9001:2015 / ISO 27001 / minimum CMMI level 3	3	
	Any two of ISO 9001:2015 / ISO 27001 / minimum CMMI level 3	5	
	All three Certifications ISO 9001:2015 / ISO 27001 / CMMI level 3	7	
	All three Certifications ISO 9001:2015 / ISO 27001 / CMMI level 5	10	
7	Presentation and Demonstration of the implemented and Operational Video Analytic based ADTS system, being used for testing driving skills of the applicants.		30
	Demonstration on the solution meeting the technical parameters/Features as per requirements of the tender (Test Result need to be attached)		
	i) Applicant Face Detection	4	
	ii) Kerb hit / Vehicle Out of Track	4	
	iii) Standard Direction	2	
	iv) Identification & Counting the number of stops	2	
	v) Identification of forward movement & counts	2	
	vi) Identification of reverse movement & counts	2	
	vii) Average speed	2	
	viii) Duration of the test in an individual track	2	
	ix) Plotting the 2D vehicle path	2	
	x) Red light violation	2	
	xi) Zebra cross violation	2	
	xii) Seat Belt Detection	2	
xiii) Mirror Gazing (L or R)	2		
<b>Total Marks</b>			<b>100</b>

**Annexure 15**

**SECTION A: INDICATIVE FORMAT OF COMMERCIAL BID**

(To be submitted as per the RFP Schedule.)

- 1) Bidder has to quote “USER FEE IN INDIAN RUPEES”.
- 2) The indicated “USER FEE IN INDIAN RUPEES” shall be applicable for all applicants seeking Two wheeler driving license at all locations identified by the OMVD as per the terms and conditions of the RFP.
- 3) The indicated “USER FEE IN INDIAN RUPEES” shall commence from the date of signing of Operator Agreement.

<b>USER FEE IN INDIAN RUPEES EXCLUSIVE OF ALL TAXES FOR TWO-WHEELER VEHICLE CATEGORY</b>		
<b>Details</b>	<b>USER FEE (In INR)</b>	<b>USER FEE (In Words)</b>
<b>Base Rate (1)</b>		
<b>Taxes (2)</b>		
<b>Total Rate (3)</b>		

Notes:

- i) For the purposes of evaluation, only the Base Rate as per Row 1 above based on **Base Rate** shall be considered. Taxes as applicable will be payable at applicable rate over the above the Base Rate upon being satisfied as to its applicability but will not be part of financial evaluation for comparison of bids. The Services availed by the Operator(s) from its own Operators for services such as AMC, procurement of capital equipment etc represents the Operator’s costs and Authority shall not pay any or reimburse any such taxes.
- ii) Each bidder must quote his User Fee per test for Two-wheeler category after through reading of this RFP document and Response to Queries/Amendment documents, breakup between his variable and fixed cost, detailed due diligence of the site, city conditions, environmental conditions, driver license testing load at each location and maintenance requirements for which Bidders may have their own source of information.
- iii) In addition to the information as requested in the above table, the Authority reserves the right to seek detailed information as listed below in excel format to ascertain the reasonableness of the bid.
- iv) The bidders should also provide additional information desired by the Authority at any stage of evaluation to ascertain the reasonableness of the bid.
- v) The Bidders are required to quote the Use Fee per test conducted successfully through ADTS for Two-wheeler category. The User Fee for LMV category shall be the same as two-wheeler category User Fee.
- vi) Please enter values only in yellow cell.

## SECTION B:

## DETAILED BILL OF QUANTITIES (BOQ) - Enclosed as Appendix

Section B would be related to Detailed Bill of Quantities (BOQ) which is enclosed as Appendix to Annexure 15. Section B needs to be duly typed in, printed and submitted. Bids submitted with handwritten copy of Section B will not be accepted. Authority reserves the right to summarily reject bid submitted with handwritten copy of Section B. Quotes for individual line items being requested should be duly filled in. Lumpsum quotes for multiple items will not be accepted and the bid shall be treated as incomplete.

## Item wise cost sheet for one LMV Track

Sr. No.	Items	Qty	UoM	Unit Rate Without Tax	Total
	<b>SUPPLY COMPONENTS</b>				
<b>1</b>	<b>Software's</b>				
1.1	Admin Module ( Users Registration Module with Photo Capture facility, Backup & Restore Utility Test )	1	Nos		
1.2	Web Camera at Registration Counter	1	Nos		
1.3	<b>Video Analytics Modules</b>				
1.4	8 Track Module	1	Nos		
1.5	S Track Module	1	Nos		
1.6	Gradient Track Module	1	Nos		
1.7	Zig Zag / Obstacle Test Track	1	Nos		
1.8	Traffic Signal & Zebra Cross Testing	1	Nos		
1.9	Parallel Parking	1	Nos		
<b>2</b>	<b>Mobile Base App. Module</b>				
2.1	Base License Cost	1	Nos		
2.2	Face Recognition	12	Nos		
2.3	Seat Belt Detection	12	Nos		
2.4	Mirror Gazing During Overtaking & at Zebra Crossing	12	Nos		
3	Complaint Mgt. Software & Billing Module	1	Nos		
4	ADTS Software Development, Customization, Testing & Deployment Cost for Video Analytics Modules	6	Nos		
5	MIS Software Reports as per Vol 3	-	Lumpsum		
6	On Line Manual – System Help (Accessible in all system), Cost inclusive of Animated Video of Pass & Fail Test.	1	Nos		
7	Any other cost	1	Lumpsum		
<b>8</b>	<b>Total Software Cost</b>				
<b>9</b>	<b>Computer Hardware, Networking</b>				
10	GPU High-end Smartphone with fitment accessories	12	Nos		
11	Video Analytic Cameras				
11.1	Eight Track Cameras	4	Nos		
11.2	"S" Track Cameras	4	Nos		
11.3	Gradient Track Cameras	2	Nos		
11.4	Zig Zag Track	2	Nos		
11.5	Traffic Signal & Zebra Cross Testing Cameras	2	Nos		
11.6	Parallel Parking Cameras	2	Nos		
11.7	Center Top View Camera	4	Nos		
12	Signal Equipment with Accessories ( Red, and Green) With Poles & Accessories	6	Set		
13	Signal Equipment with Accessories ( Red, Amber and Green) With Poles & Accessories	1	Set		



Sr. No.	Items	Qty	UoM	Unit Rate Without Tax	Total
14	Original Equipment Manufacturer (OEM) - Workstations/Servers with genuine Operating System (Vendor to Quote Qty. as per solution design)		Nos		
15	Original Equipment Manufacturer (OEM) - Desktop with genuine Operating System and 24" monitor (Vendor to Quote Qty. as per solution design)		Nos		
16	Original Equipment Manufacturer (OEM) - Workstations/Servers with genuine Operating System Standby Server. (Vendor to Quote Qty. as per solution design minimum 1)		Nos		
17	Desktop User Registration & Report Printing	2	Nos		
18	<b>42" - LED Smart TV with Outdoor Casing</b>				
19	One LED Smart TV for Top View Camera all Tracks, those tracks do not have top view camera, Any one single camera will be used of the respective track	1	Nos		
20	One LED Smart TV For Continuous Training Video Display	1	Nos		
21	Original Equipment Manufacturer (OEM) - Network Attached Storage (NAS) device for Video Analytics	1	Nos		
22	UTM (Unified Threat Mgt.) appliance with full featured subscription	1	Nos		
23	OEM Make On Line UPS 10 KVA with 120 min. backup	1	Nos		
24	Duplex Monochrome Printer	1	Nos		
25	Rack with KVM Switch & Monitor	1	nos		
26	Networking Equipment, Switches with Accessories & cabling	7	Nos		
27	Power Cabling material with Accessories	7	Nos		
28	Mobile Charging Station	1	Nos		
29	Air Condition	1	Nos		
30	RFID Reader & Antenna (Qty. to be mentioned as per the solution design)		Nos		
31	RFID Tags (Qty. to be mentioned as per the solution design)		Nos		
32	Variable Message Sign (Qty. to be mentioned as per the solution design)		Nos		
33	Any other cost	1	Lumpsum		
34	<b>Total Hardware Cost</b>				
35	<b>Civil Costing &amp; Other Installation charges</b>				
36	Poles for Mounting Cameras with Civil foundation & Installation	16	Nos		
37	Poles for Mounting Top View Camera	4	Nos		
38	Poles for mounting RFID Reader (Qty. to be mentioned as per the solution design)		Nos		
39	Poles for mounting VMS if required as per solution design (Qty. to be mentioned as per the solution design)		Nos		
40	Tower Ladder	1	nos		
41	Traffic Cones with Chain	50	nos		
42	Any other Civil Cost	1	nos		
43	<b>Total Civil Costing</b>				
44	Antivirus with features like Antivirus, Antispam, Intrusion prevention, Internet Protection etc (Qty. to be mentioned as per the solution design)		nos		
45	State Data Center Hosting (Database & Application) - Will Host in Dept. SDC	1	Lumpsum		
46	Genuine Database Lic. Copy	1	Lumpsum		
47	Software Testing, Certification Cost	1	Lumpsum		

Sr. No.	Items	Qty	UoM	Unit Rate Without Tax	Total
48	Add any other overhead & Administrative expenses	1	Lumpsum		
49	<b>TOTAL Exclusive of Taxes</b>				

Note: Sufficient Server, Desktop to be provided for smooth working of day to day ADTT. Bidder to suggest number of Servers as per the solution design.

Name of the Company

Name and Signature

Date

### Item wise Cost Sheet for one Motorcycle Track

Sr. No.	Items	Qty	UoM	Unit Rate Without Tax	Total
	<b>SUPPLY COMPONENTS</b>				
<b>1</b>	<b>Softwares</b>				
1.1	Admin Module ( Users Registration Module with Photo Capture facility, Backup & Restore Utility Test )	1	Nos		
1.2	Two Wheeler Serpentine Track	1	Nos		
1.3	MIS Software as per Vol 3		Lumpsum		
	<b>Total Software Cost</b>				
<b>2</b>	<b>Hardware</b>				
2.1	Smartphone to Capture Face	2	Nos		
2.2	Face Recognition	2	Nos		
2.3	Megapixel Cameras for Serpentine Track	3	Nos		
2.4	Top View Camera	1	Nos		
2.5	Signal Equipment with Accessories ( Red, and Green) With Poles & Accessories	1	Set		
2.7	Original Equipment Manufacturer (OEM) -Servers		Nos		
2.8	Desktop with 24" Monitor (Test View) - CR	1	Nos		
3	Networking Equipment, Switches with Accessories	1	Nos		
4	Power Cabling material with Accessories - Admin Module Plus Four Track Modules	1	Nos		
5	RFID Reader & Antenna with accessories	1	Nos		
6	RFID Tags (Qty. to be mentioned as per the solution design)				
7	Variable Message Sign with Mounting with accessories	1	Nos		
	<b>Total Hardware Cost</b>				
<b>5</b>	<b>Civil Expenses</b>				
5.1	Poles for Mounting Cameras with Civil foundation & Installation	4	Nos		
5.2	Poles for Mounting RFID Equip. with Civil foundation & Installation	1	Nos		
5.3	Poles for VMS with Civil foundation & Installation	1	Nos		
	<b>Total Civil Expenses</b>				
<b>6</b>	<b>System Installation Cost</b>				
6.1	Integration of Software Apps , Configuration and Commissioning charges for complete system	1	Nos		
7	Add Any other Expenses	1	Lumpsum		
<b>8</b>	<b>Total Project Cost 2 Wheeler</b>				
9	Add overhead & Administrative expenses	1	Lumpsum		
10	<b>Total Exclusive of Taxes</b>				

Name of the Company

Name and Signature

Date

**Note: Items from Page 68 to 75 of Volume 1 of RFP will remain unchanged - For your information please.**

## 2. DRIVER LICENSES ISSUED &amp; TRACK CAPACITIES

Sr. No.	Locations	Vehicle class	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
<b>Phase I</b>												
1	Angul	LMV	366	63	5796	12186	8874	7817	6551	5930	6751	4280
		2W	199	59	6702	14505	10022	8819	7770	7044	6312	12901
2	Baripada	LMV	2457	2729	2617	2528	2185	2256	3092	1831	1596	1885
		2W	5715	5608	5066	5225	4999	5477	6261	3428	3452	7991
3	Bhadrak	LMV	14164	13342	12627	14957	4589	5535	3041	2717	2920	5074
		2W					7434	9523	7026	6476	10030	15484
4	Bolangir	LMV	18	21	1141	2949	2068	2796	2741	2371	3561	3860
		2W	10	26	2039	4663	3504	4833	4850	3960	5500	8637
5	Bhanjanagar	LMV	83	84	137	187	6646	6880	5998	2636	3286	3092
		2W	63	72	112	156	9447	10108	10238	5715	5964	9208
6	Deogarh	LMV	20	87	538	963	1628	1478	1434	1079	1121	1661
		2W	9	28	708	1199	1886	1523	1494	1200	1326	4072
7	Dhenkanal	LMV	96	51	1694	4515	4261	4411	2624	1543	1442	1521
		2W	84	50	2403	5354	5102	5426	4354	2810	2711	10311
8	Ganjam	LMV	1763	1783	13693	24103	19323	17202	19848	11365	15978	16060

Sr. No.	Locations	Vehicle class	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
		2W	633	585	18012	32569	27542	22923	26818	15196	19527	36159
9	Keonjhar	LMV	1938	1936	1720	4589	3383	3300	3065	3391	5254	6125
		2W	4318	4098	4278	4589	3966	3300	3624	4420	6070	10959
10	Nayagarh	LMV	124	159	1310	3689	2234	2687	1940	1213	1486	2417
		2W	219	175	1925	4411	3569	4416	5078	2588	2954	14393
11	Phulbani	LMV	12	17	1450	3589	4352	5695	6245	4355	6085	4695
		2W	7	17	1508	3619	4793	5675	6032	4474	6271	12424
12	Rairangpur	LMV	3331	3493	2784	2434	2292	2730	2325	1950	1964	2711
		2W	3715	3736	3764	3457	3367	3769	3271	3021	2926	5343
13	Rourkela	LMV	157	141	6043	12861	7917	6144	6595	4470	2986	5195
		2W	102	123	6815	14971	9376	9176	10783	8269	5681	16206
14	Sundergarh	LMV	116	65	2365	4431	3641	3507	3045	2021	2879	4941
		2W	51	154	3239	4289	3493	3003	2060	1434	1953	1564
15	Talcher	LMV	9	10	12	14	4550	4262	4074	2770	2432	2587
		2W	8	9	10	12	4129	4562	4484	3188	3095	9096
16	Sonpur	LMV	12	15	517	1515	1228	1279	1358	486	2368	2292
		2W	7	18	793	1645	1357	1611	955	739	4262	10593
17	Malkangiri	LMV	13	10	488	1108	706	1122	827	771	1290	1547
		2W	31	18	1091	2259	1898	2067	1322	1097	1989	4037

Sr. No.	Locations	Vehicle class	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
18	Nuapada	LMV	1404	1755	288	606	566	495	784	791	921	1400
		2W			674	1227	1041	906	1423	1046	1135	2979
19	Nawrangpur	LMV	9	4	682	1710	1347	1096	1264	1295	1208	1476
		2W	10	3	1148	2514	2054	1498	1688	1632	1606	5131
<b>Phase 2</b>												
20	Bhubaneswar	LMV	5494	5778	11753	15521	14962	17897	17269	15305	15819	76999
		2W	7879	8589	15688	22069	20077	19177	16194	17716	20487	
21	Cuttack	LMV	7195	7837	8299	7872	5474	9423	6112	5690	6575	8421
		2W	11381	13130	15791	15702	11096	15923	11180	9698	10215	24581
22	Chandikhole	LMV	4693	5330	5279	6310	6218	8234	5046	3911	8989	3650
		2W	7080	7995	7919	9465	9328	12353	7570	5868	13485	5475
23	Kalahandi	LMV	2990	3400	3274	3505	2362	2408	1719	1953	2522	4470
		2W	4416	5696	5108	4491	3519	2916	2625	2761	4423	15241
24	Sambalpur	LMV	9935	10601	11020	10918	12500	11867	6996	3108	2129	6189
		2W	8873	9449	9554	9269	11365	12324	7837	3194	2508	11904
25	Bargarh	LMV	114	114	1137	1536	1350	1248	695	1297	2201	3855
		2W	65	83	1981	2340	2418	3161	1021	1573	2610	11082
26	Jagatsinghpur	LMV	3575	4069	4513	6015	2549	2178	1172	1332	1199	1797
		2W	5789	5606	6044	8042	4880	6280	5226	4346	4216	14292

Sr. No.	Locations	Vehicle class	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
27	Jharsuguda	LMV	5339	8670	5103	4232	1066	671	797	920	2252	1642
		2W	5576	9347	5652	5140	1663	1006	1046	1570	4398	4894
28	Boudh	LMV	16	0	687	1092	650	911	1188	700	1902	1325
		2W	17	6	993	1574	1297	1944	2379	1379	3270	5338
29	Balasore	LMV	45	38	4671	10504	7254	6658	5627	3521	7406	5167
		2W	54	47	8669	20722	14187	13717	15323	9509	22492	19374
30	Koraput	LMV	419	391	2468	4409	1414	1632	1355	4171	7444	2470
		2W	249	229	3201	5764	1350	1540	1400	5131	11872	6484
31	Rayagada	LMV	149	174	1273	2698	641	667	428	954	2436	1897
		2W	79	90	2303	4431	919	1023	852	2062	7404	8150
32	Kendrapada	LMV	3021	6274	7230	8078	5829	5999	5148	3428	10228	4663
		2W	6299	8694	10286	11129	7710	8670	8102	5659	18114	15513
33	Gajapati	LMV	79	98	635	1845	1359	1069	729	414	210	584
		2W	40	54	1328	3372	2996	2650	2634	1309	906	3621
34	Barbil	LMV	67	27	1580	2192	708	631	519	1232	3314	1985
		2W	30	27	1594	2334	1234	817	704	1503	4024	2825
35	Khurda	LMV	2458	2083	2216	2353	3457	4055	1798	2018	5530	3816
		2W	4217	3732	4033	4579	4779	5086	1355	3559	11466	13968
36	Puri	LMV	3630	4579	4581	4666	4140	5373	1724	2279	3642	1712

Sr. No.	Locations	Vehicle class	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
		2W	7528	7646	8171	8084	7743	10733	5373	8090	15146	10466
37	Jajpur	LMV	12	14	12	13	25	2197	3231	3727	9268	5763
		2W	11	21	21	24	19	7906	7495	7136	16610	15683
38	Bhubaneswar II	LMV	204	206	250	345	1946	6483	3122	3122	6854	6283
		2W	226	240	245	300	2752	8403	5678	4136	10090	24604



9. Standard Operating Procedure

Test results generated are to be integrated with sarathi or any other third-Party software provided by the vendor.

**TESTING PROCESS**

Detailed description of the testing process is outlined below. Online appointment shall be taken by the candidate to take the licensing driving test. The applicant shall pay the prescribed "Driving License" test fee. Necessary Department fee including user fee to be paid online.

Step 1: Entry

- (i) The applicant is required to be available at the Driving Testing Center one hour before the scheduled test time.
- (ii) Security personnel shall be made available at all times at the entry gate by the vendor.
- (iii) The security personnel shall check the appointment acknowledgement of the applicant before allowing applicant to enter the premises of the Driving Testing Center.
- (iv) On successful verification of the appointment acknowledgement, the security personnel shall direct the applicant to Counter A.

Step 2: Counter A

- (i) One Desktop computer with Web camera shall always be made available at this counter.
- (ii) Authorized personnel of the MVD shall always be available at this counter for the verification of documents and applicant identity.
- (iii) On successful verification of applicant's identity, photograph shall be captured by the web camera through ADTS System.
- (iv) System will generate Token Number and SMS will be delivered to the applicant if applicant is not having mobile the operator will inform the applicant to note down the Token Number.
- (v) RFID tag shall be issued to the applicant at this counter.
- (vi) The applicant shall then be directed to 'Counter B'

Step 3: Counter B – Waiting Area / Training Classroom

- (i) Waiting area shall be equipped with a LED Television which will continuously play pass and fail videos for LMV and Motorcycle. The television shall display an informative video of driving test procedure along with road safety awareness videos.
- (ii) Another LED Outdoor television shall be utilized to display videos i.e. Top View Camera / Video Analytics camera live view with track name for all the tracks.
- (iii) The queue Mgt. Software and hardware will be managed by third party, APIs will be shared to integrate the ADTS applicants.
- (iv) The token number shall be displayed 10 minutes in advance to allow ample time to applicants to move from the waiting area to the designated test track.
- (v) On display of the token number, the respective candidate shall be directed/proceed to the next counter.
- (vi) The applicant shall be informed to move to the next counter along with his/her test vehicle.

#### Step 4: Counter C – Test Track

- (i) One personnel shall always be made available by the vendor in the testing range to clear the track and for overall monitoring. The person should have valid driving license for LMV.
- (ii) The applicant throughout test must carry valid RFID Card which stores applicant unique ID or Tag ID is mapped to the applicant ID.
- (iii) The vendor will install smartphone with dual camera in LMV Vehicle. The applicant or vendor will enter applicant ID. in the mobile app. and which will be validated through face recognition and identification and will monitor applicant authenticity.
- (iv) During driving test snapshot of the applicant will be captured approx. two randomly by the system for each test formation for LMV and will be stored in the database for the audit purpose.
- (v) If due to any reason smartphone is unable to recognize the applicants manually it can be overridden but such cases records to be strictly maintain in the system for future audit purpose.
- (vi) The smartphone should also detect presence of seatbelt, applicant identify throughout the test.
- (vii) The smartphone should capture mirror gazing in Traffic Signal Test and its front video to be stored. Video files should be embossed with date, time, applicant id.
- (viii) At the start of the test Traffic Signal is mounted, the traffic signal will turn green as soon as applicant identity is verified.
- (ix) The applicant name shall be displayed on the Variable Message Board placed at the start of the test track LMV & Two-Wheeler.
- (x) Before turning signal into green system should also verify if test track is empty without any manual intervention and then system to be ready to assess the driving skill of the applicant. The applicant must move on each test formation as directed by the traffics signal & road signs and as indicated in the training videos.
- (xi) At the entry of each of the track segments, such as Eight Shape Track, S-Track etc., an RFID reader shall be placed to capture applicant identity.
- (xii) RFID reader must read the applicant ID if required multiple RFID readers to be placed to ensure successful reading of RFID Tags.
- (xiii) One Variable messaging board shall be placed at each test track to display applicant test result “Pass or Fail” for the respective test formation as soon as test is completed within 10 seconds.
- (xiv) On completion of respective test formation, message of pass/fail will be displayed on smartphone as well as announced. If the message displays “Pass”, the applicant shall move to the next test formation and If the message displays “Fail”, the applicant shall exit the test track without evaluating, recording the next test.
- (xv) At the end of test smartphone app should display message “Pass” or “Fail”.
- (xvi) If the message displays “Fail”, the candidate shall exit test track, move to **Step 5**.
- (xvii) If the message displays “Re-test” due to technical glitches in hardware & software, the candidate shall again appear for re-test. There should be entry in the system for such applicants appearing for re-test with reason.
- (xviii) At the end of test Pass/fail result of the applicant need to display on Queue Mgt. Software (QMS) display system.
- (xix) On completion of the test, the applicant shall move to the tracks’ exit.
- (xx) An SMS will be delivered for test result with test result web link.

Step 5: Counter D –Track Exit

- (i) One personnel shall always be made available at the exit test track.
- (ii) A boom-barrier shall be provided by the vendor at the exit of the test track to regulate the movement of applicants.
- (iii) At the exit, the authorized personnel shall remove the smartphone, RFID Card from the applicant vehicle.
- (iv) The applicant shall be directed to exit the Driving Test Center on completion of the driving test.

Step 6: Test Report

- (i) The test report of the candidate shall be made available on the dept. website as per the formats enclosed in Volume 3 of RFP.
- (ii) Provision to download test report from the website shall be given to the applicant. The applicant has to enter online appointment number and birth date to download the test result.
- (iii) Test results generated are to be integrated with Sarathi. APIs and enough permission will be provided to the vendor for the result update.
- (iv) The applicant is directed to the Driving Test Center's exit.

Step 7: Exit

- (i) The candidate shall then move towards the exit of the Driving Testing Center.

## Smartphone Specification

Sr. No.	Parameter	Minimum Specification	Compliance (Yes/No)
1.	Smartphone Make & Model	Must specify along with datasheet and brochure	
2.	Technology	GSM	
3.	Processor Core with GPU	Minimum Octa core	
4.	Processor speed	Minimum 2.0 GHz	
5.	Operating system	Renowned Operating System.	
6.	Chipset	Renowned Chipset	
7.	RAM Size	Minimum 8 GB	
8.	Internal Storage	Minimum 128 GB	
9.	Display Size	Minimum 5.7 inches	
10.	Display Technology	LED Touch Screen	
11.	Display Resolution (Horizontal x Vertical) (Pixel)	FHD+ (Minimum 1080 x 2400 pixels)	
12.	Sunlight readability (Nits)	Minimum 800	
13.	Rear Camera Resolution (Mega Pixel)	Minimum 12 MP	
14.	Front Camera Resolution (Mega Pixels)	Minimum 8 MP	
15.	Connectivity	4G VoLTE 5G (Optional)	
16.	Wi-fi Connectivity	802.11 b/g/n/ac	
17.	Bluetooth Connectivity	4.2 or higher (Optional)	
18.	GPS	GPS With AGPS, GLONASS,	
19.	Battery Capacity (mAH)	Three hours Minimum	
20.	Smartphone Package	Should include Fast charger and charger cable.	
21.	Accessories: 1) Mobile cover 2) Tempered glass	Back Yes	
22.	Certification	BIS/CE/UL/FCC	
23.	Warranty	OEM Std. Warranty. After warranty support & service through AMC.	
24.	Mobile loudspeaker mode	Sufficient Audible, inside the LMV vehicle for providing message such as: Applicant Authenticated Proceed for Test / Test Pass or Fail / Exit Test Track or any other pre-defined message	
25.	Features	<ul style="list-style-type: none"> <li>The app will access the Database for face matching and authentication</li> <li>Mounting: portable, Plug &amp; play, installed the vehicle with all accessories.</li> </ul>	
26.	Battery	<ul style="list-style-type: none"> <li>Frequent health check-up of battery is must and records to be maintain, avoid using third party charger, overnight charging, heavy processing, battery coming in contact with water etc. Advisable to replace battery as per OEM specification only.</li> <li>Operator to handle smartphone at most care avoid dropping etc.</li> <li>Safety inbuilt app to provide alert of overheating and any other safety related alert.</li> </ul>	

**RFID Reader, Antenna Specification**

<b>Sr. No.</b>	<b>Parameter</b>	<b>Minimum Specification</b>	<b>Compliance (Yes/No)</b>
1.	Type of reader	UHF integrated RFID reader	
2.	Protocol	ISO18000-6B, EPC Class 1 Gen 2 (ISO 18000-6C)	
3.	IP Rating	IP 65	
4.	Frequency	Global 865-868 MHz, 902-928 MHz	
5.	RF Power Output	0 - 31 dBm software configurable	
6.	Antenna	12 dbi built in and linear/polarized	
7.	Communication Port	RS-232/485/Wiegand/RJ-45	
8.	Read Range	Upto - 12 mtrs	
9.	Reading Clue	Buzzer, Beep	
10.	Power Supply	100-240 V / 9VDC	
11.	Operating Temp	-20 to +60 Dec Cel	
12.	Compliance	FCC/CE/RoHS	
13.	RFID Cards	UHF Cards to be supplied as per RFID OEM Specification.	
14.	Accessories	Card Holder	
15.	Poles	For the installation of RFID Antenna.	

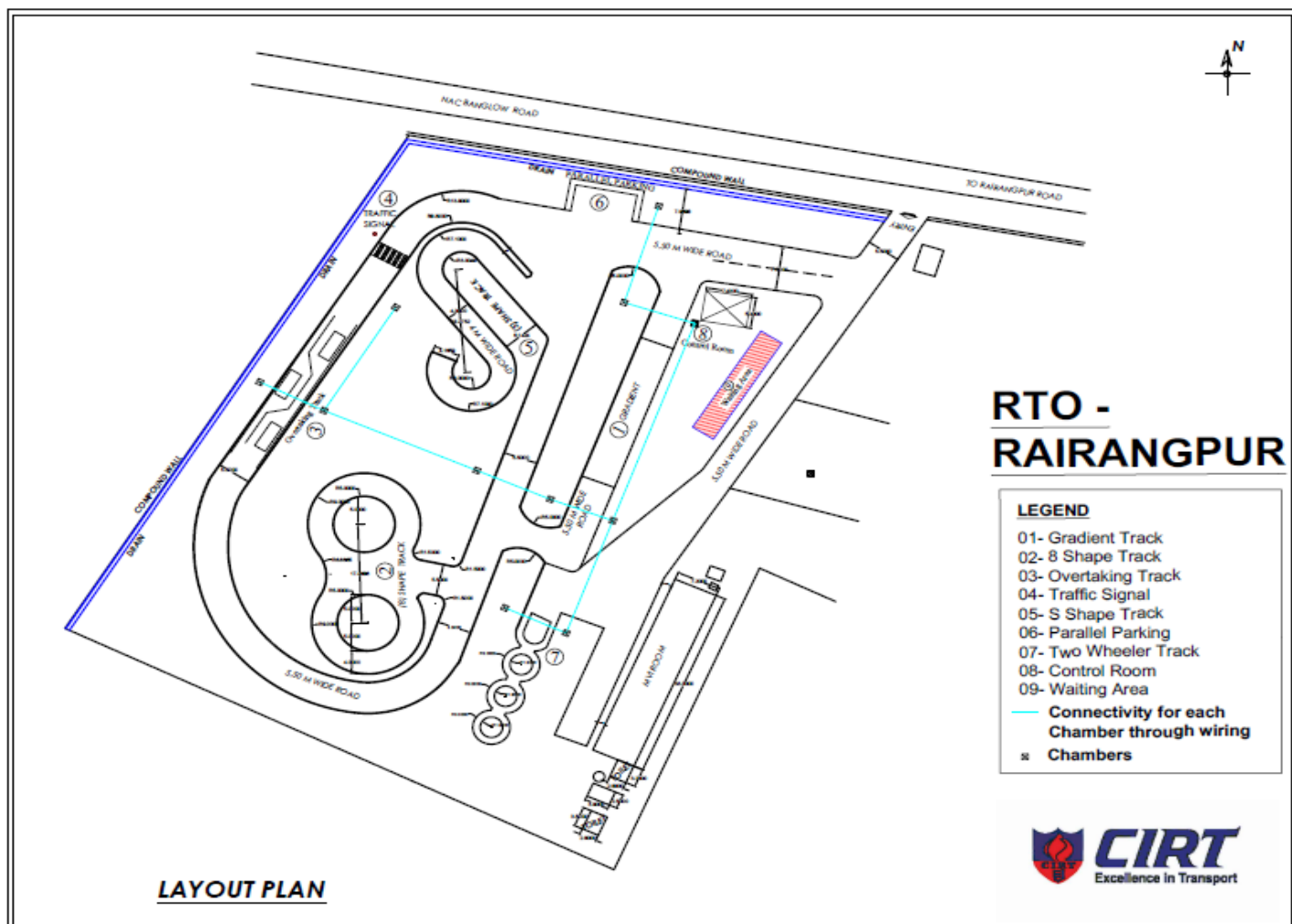
**Note: RFID Reader location to be installed in each test tracks as per the bidder's design solution.**

## Variable Message Sign (VMS) Specification

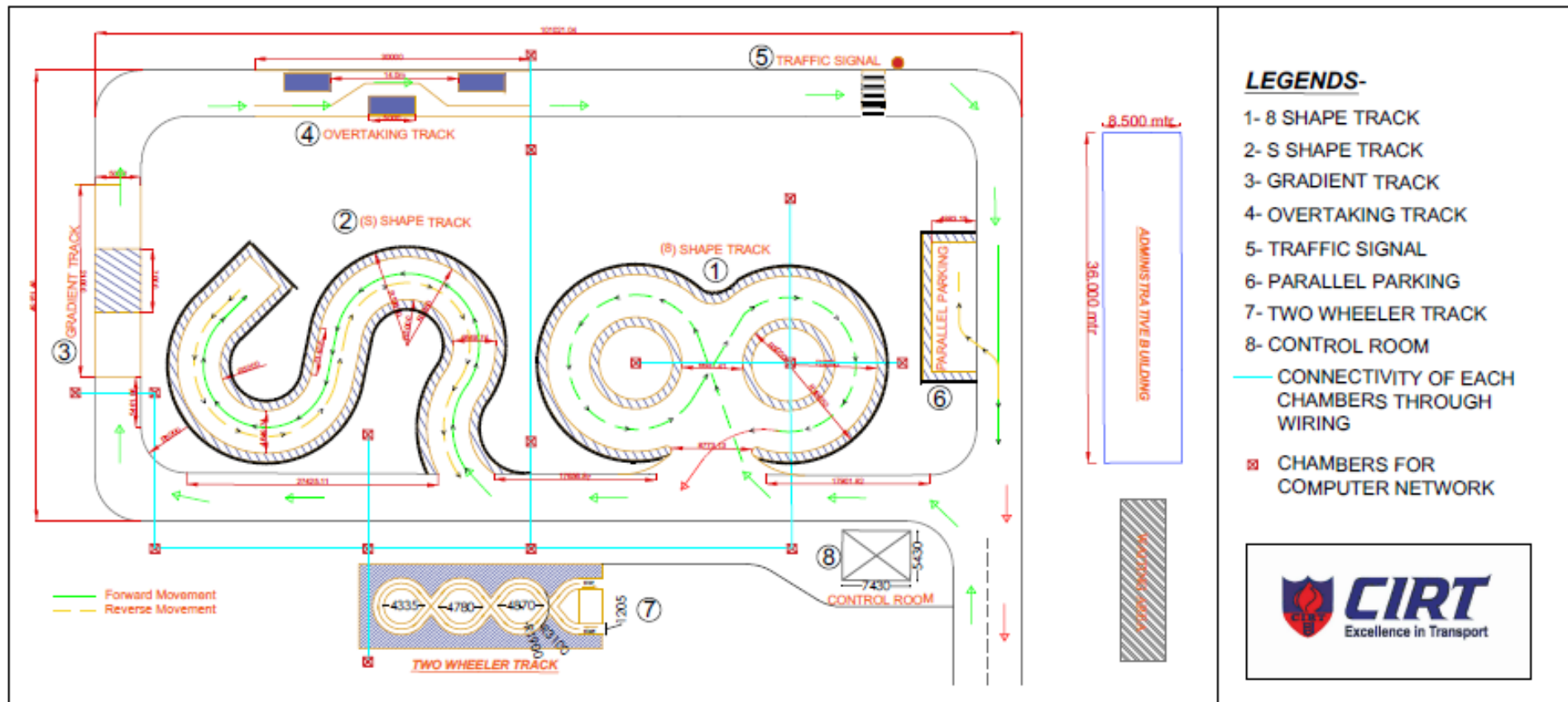
## Minimum Technical Specifications

Sr. No.	Parameter	Description	Compliance (Yes or No)
1.	Character size	4 Inches	
2.	Message Color	RED	
3.	Message Scrolling	Horizontal for long message (Only right to left)	
4.	Features	<ul style="list-style-type: none"> <li>• LED display with latest technology</li> <li>• Excellent visibility in outdoor conditions</li> <li>• Easy to maintain</li> </ul>	
5.	No of Lines	1 Line	
6.	Indicator Diameter	100mm	
7.	Visibility Distance	30 meters	
8.	Optimum Viewing angle	500 V/1100H	
9.	Size of cabinet (minimum)	160mm x 640 mm	
10.	Operating Temperature	00C ~+ 500C	
11.	Working Voltage	220vV/110V±10%	
12.	Characters visible at a time	8 / 10 Characters	
13.	Intensity	Intensity of the Display board can be changed from programme for Day and Night use.	
14.	Interface	Single TCP/IP Interface	
15.	Operational Characteristics	Any ASCII message can be sent from software using socket Communication / APIs. It will show the same message and indicator state for infinite time until new command is sent from the software.	
16.	Physical characteristics	Hood to ensure day light visibility and protection from rain water and dust	
17.	Cabinet	MS powder coated	
18.	Connections	230 VAC input and Ethernet RJ45	
19.	Mounting	Provision for mounting on the pole provided at the bottom of the display using nut bolts	
20.	Message	Steady 12 characters, Character height 4", Visibility: 30 meters MPRS day light visible. Message colour Red, display type Steady, Blinking or Horizontal scrolling from Right to Left for long messages	
21.	Certification	IP 65/66 equivalent	

RTO Rairangpur Track Layout Drawing



**TYPICAL LAYOUT PLAN – ADTT ODISHA**



- Typical layout plan showing Vehicle driving path