



**KERALA STATE ROAD TRANSPORT CORPORATION**  
**TRANSPORT BHAVAN, FORT, THIRUVANANTHAPURAM-695 023**

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**TENDER No.S001 – SRA01/23/2024 – Store KSRTC – HQ Dtd: 01.08.2024**

**NOTICE INVITING (e- TENDER)**

**For the supply, installation and commissioning of DRIVING SIMULATOR**

**TECHNICAL & COMMERCIAL BID**

1. e-Tenders in **two bid** system are invited from the **manufacturers** or their **authorised dealers** for the supply, installation, training and commissioning of the following item. **There shall not be more than one Brand offer in the tender. Offering more than one Brand / Type / Model will make the bid invalid.**

a	Name of Item, Quantity and Specifications	Driving Simulator with all accessories - 1 No. Warranty : 2 years (minimum) Comprehensive Annual Maintenance Contract (CAMC) : 5 Years after Warranty period  <u>Specifications</u> See Appendix – I of NIT
b	Location of supply, Installation and Commissioning	KSRTC, Staff Training Centre, Attakulangara, Eastfort, Thiruvananthapuram – 695023.
c	Place of Opening	Kerala State Road Transport Corporation, Transport Bhavan, Fort, Thiruvananthapuram.
d	Tender Fees (Non Refundable)	Rs.784/- (Rs.700/- + GST@12%) (Rupees Seven Hundred and Eighty Four only)
e	Earnest Money Deposit(EMD). EMD Exemption NOT allowed.	Rs.3500/- (Rupees Three Thousand and Five Hundred only)
f	Mode of Payment of EMD & Cost of Tender	Online through SBI Internet Banking/NEFT through e-procurement portal. EMD & Tender Fee should be remitted as a single transaction. Split payment is not allowed.
g	Mode of Submission of Tender	Tender should be submitted online through e-GP website <a href="http://www.etenders.kerala.gov.in">www.etenders.kerala.gov.in</a>
h	Contact address/ Telephone nos. for help in case of any doubt in e-tendering process (Help desk)	Kerala State IT Mission, e-Government procurement PMU & Help desk, Saankethika, Near EPF Office, Vrindavan Gardens, Pattom, Thiruvananthapuram. - 695004 Ph: 0471 - 2577088, 2577188; Toll free No.18002337315; e-mail: <a href="mailto:etendershelp@kerala.gov.in">etendershelp@kerala.gov.in</a> Website: <a href="http://www.etenders.kerala.gov.in">www.etenders.kerala.gov.in</a>
i	Tender inviting Authority	Chairman and Managing Director, Kerala State Road Transport Corporation, Transport Bhavan, East Fort, Thiruvananthapuram – 695 023

## 2. **Scope of the Work**

KSRTC invited tender from the Manufactures/their authorised dealers in India for the Supply, installation, training and Commissioning of **Driving Simulator** at KSRTC, Staff Training Centre, Attakulangara, Eastfort, Thiruvananthapuram – 695023. which can be used for KSRTC Driving School. The Supplier should assure complete commissioning of Driving Simulator including application training. Bidders should complete the supply, installation and commissioning of Driving Simulator within 5 days from the date of purchase order.

The Driving Simulator should have minimum two year warranty and the supplier should provide CAMC for next 5 years after warranty.

## 3. **Specific Conditions of the contract**

- a. Tender is invited from the Manufactures/their authorised dealers for the Supply, installation, Training and Commissioning of **Driving Simulator**.
- b. The supplier should arrange Supply, installation, training and Commissioning of **Driving Simulator** at KSRTC, Staff Training Centre, Attakulangara, East Fort, Thiruvananthapuram – 695023.
- c. The Supplier should assure complete commissioning of system for installation and application training.
- d. The specification mentioned in NIT (as per Appendix-I of NIT) is only for reference.
- e. The successful bidder have to complete the supply, installation and commissioning of **Driving Simulator** within 15 days from the date of purchase order.
- f. The successful bidder should be willing to provide 2 years warranty and 5 years Comprehensive Maintenance Contract for the unit after warranty. During warranty period, KSRTC shall bear the cost of regular consumables only. Any labour cost during warranty period for ensuring the working of the Driving Simulator should be born by the supplier. The bidder should furnish the list of regular consumables of the unit along with detailed specification of the Driving Simulator offered. The Comprehensive Maintenance Contract should start after the expiry of warranty period. The bidder should furnish the CAMC rate upto 5 years (after 2 year warranty period) in the Financial Bid (Cover –II) of the tender. The supplier can visit, the site and inspect the Driving Simulator as and when desired, for ensuring the smooth functioning of the unit during warranty and CAMC period.

g. **Training:-** The **Driving Simulator** shall be operated by KSRTC staff. The bidder should provide operator training and application training minimum for 3 persons.

4. **PRE QUALIFICATION CRITERIA**

- a. Manufacturer of **Driving Simulator** in India or their authorised dealers are eligible to participate in the tender
- b. Copy of the GST Registration Certificate should be uploaded.
- c. The bidder should have experience in installation of **Driving Simulator** for the last 3 years.
- d. The bidder shall have service support facility in Kerala. Document to be uploaded.

5. **General Conditions of the contract**

- a. *Firms who have been blacklisted by the Central Government/ any State Government /any State Transport Undertaking will not be considered.*
- b. *Firms who supplied Stores of inferior quality or defective materials, which caused non settlement of claim / pending claim of KSRTC will not be considered. In the event, if the party is ready to settle the claim, Chief executive officer /Chairman & Managing Director of Corporation Shall consider the tender of such firm which is solely at his discretion.*
- c. Bidders should remit the required Tender Fee and Earnest Money Deposit (EMD) in 'Online mode' through SBI/NEFT, as per 1(d) and 1(e) of the Notice Inviting Tender. No exemption in the case of EMD and Tender Fee. Bidders should ensure and convince themselves that the online payments made by them have been successfully transferred. KSRTC shall under no circumstances be responsible for failed transaction of the payments due to non-compliance of any online banking procedure and consequent rejection of tender.
- d. The details such as name of manufacturer, Guarantee/Make / Brand / Model / specification of offered item / Brochure etc should be uploaded in the tender.
- e. **SELECTION OF SUPPLIERS:-** The selection of suppliers will be made from among the technically qualified bidders who are prequalified by uploading all the mandatory documents mentioned in the Clause No. (6) of NIT. The L1 status will be based on Appendix – II).
- f. **Rate Firmness:-** The quoted rates shall be firm for one year from the date of opening of tender. No enhancement of rates once accepted will be considered during the contract period.

- g. If the Driving Simulator supplied against purchase order do not meet the required specifications and not functioning satisfactorily, the bidder have to take back the Driving Simulator at their own cost.
- h. If any loss / damage occurred while on transit should be borne by the suppliers.
- i. The bidder should offer warranty for a period of 2 Years and 5 years CAMC after warranty period.
- j. The successful tenderer shall submit an agreement (Appendix – III) in the prescribed format within 10 (ten) days from the date of Purchase Order.

6. **Documents to be uploaded in the e-Tender portal**

- a. Scanned copy of valid manufacturing license in the case of manufacturer. In the case of Dealer, they should upload the copy of Manufacture’s Authorisation Form for Dealer as per Annexure-D duly filled signed and stamped by the bidder.
- b. GST Registration Certificate of bidder to be uploaded.
- c. The bidder shall upload documentary evidence for 3 years experience in installation of Driving Simulator. Completion certificate from the customers / copy of Tax Invoice shall be uploaded.
- d. This Notice Inviting Tender (all pages) duly filled signed and stamped by the bidder should be uploaded.
- e. ANNEXURE –A after filling all the column and duly signed and stamped by the bidder should be uploaded.
- f. ANNEXURE –B, Specification Sheet after filling all the column and duly signed and stamped by the bidder should be uploaded.
- g. Tenderers who have been blacklisted by the Tender Inviting Authority or by any State Govt. or Central Government / Organization should not participate in the tenders during the period of blacklisting. An affidavit as per format in Annexure– C (Anti-Black listing Affidavit) should be uploaded.
- h. The details of Guarantee/Make / Brand / Model / specification of offered item / Brochure etc should be uploaded.

7. **Instructions for submitting Financial bid :-**

- a. The bidder should furnish the basic rate for the supply, installation and commissioning of one Driving Simulator and CAMC charge per year for 5 years after 2 year warranty period discount, GST separately. The rates shall be submitted in BOQ portion of the corresponding Tender published in website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in).
- b. The rate quoted should be for door delivery including installation at KSRTC, Staff Training Centre, Attakulangara, Eastfort, Thiruvananthapuram – 695023.

- c. The rates shall be submitted in **BOQ/PRICE BID link** available in the e-tender portal available in [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in). Any conditional quantity / volume / Cash Discount or any other discount will not be considered except BOQ price. So please submit the best price in BOQ only.
- d. GST should be calculated exactly and entered in the respective column of BOQ. In the BOQ the GST is to be mentioned in rupees, not in %, therefore bidders are requested to upload the rate accordingly.
- e. If the amount of GST is not entered in the respective column of BOQ, such bidders will not be eligible for revised levies declared from time to time. The bidder should fulfil their obligation to pay such of the taxes payable to the Central Government / State Government or any local authority, as specified in the Bidding document.
- f. The quantity of item may increase or decrease. The tolerance limit shall not be more than plus / minus fifteen percent (  $\pm 15\%$ ) as per the provisions of Kerala Store Purchase Manual.

## 8. TENDER PROCESS:

The tender evaluation will be undertaken in four rounds.

**Round 1**- Opening of technical bid documents

**Round 2** – Document evaluation.

**Round 3**- Opening of Financial Bid.

### **1. Round 1- Opening of technical bid documents**

The documents uploaded shall be opened at the time and date mentioned. The prospective bidders or their authorized representatives can present, if required by them.

**2. Round 2 – Document evaluation:-** The format for submission of the technical bid as per annexures and submission in any other format or absence of requisite information will lead to rejection of bids in the round 2 evaluation itself. The prospective bidders are advised to submit all information and supporting documents that are required to prove their competency and claims for technical evaluation.

The commercial terms and documents submitted as part of the bids shall be scrutinized by a Bid Evaluation Committee constituted by the Tender Inviting Authority.

The Tender Inviting Authority may call for additional documents/clarifications through e-mail, if required

The list of those who come out of the evaluation of the documents successfully as well as those rejected (with reasons for rejections) will be published on the website of KSRTC (www.keralartc.com) and objections/remarks against the list will be invited. The objections /remarks received before the date and time specified in the notice will be considered by the Tender Inviting Authority and the final list of successful bidders of round 2 will be published.

### **3. Round 3 – Opening of Price Bid.**

The bidders who are qualified in round 2 shall be considered for Round -3. The Financial bid of those bidders who do not satisfy even any one of the pre-qualification condition will not be opened.

9. **Training:** Proper training shall be given the staff of KSRTC about the working of the Driving Simulator free of cost.
10. Opening of Tender will be done at the time and date noted in Notice Inviting Tender at the Office of the Chairman and Managing Director, KSRTC, Transport Bhavan, Fort, Thiruvananthapuram.
11. **Payment:- Payment for the item will be made only after receipt, inspection and satisfactory commissioning of the supplied Driving Simulator at the destination specified by KSRTC.**
12. **Liquidated damages for non supply and performance:-** The successful bidders shall supply the ordered quantity of item as per the delivery schedule given by KSRTC. If materials are not supplied as per supply schedule given by KSRTC, liquidated damages will be realised from the supplier at the rate of 0.5% of the Cost of item per week for each week or part there of, up to a maximum deduction of 10% of the Contract prices and there after the Corporation will consider the termination of the contract at the risk and cost of the contractor.
13. **Earnest Money Deposit:-** The EMD will not carry any interest. The EMD will be forfeited if the successful Bidders fail to execute agreement and furnish Security deposit, or in the event of withdrawal of offer once made or in the event of putting forth any conditions which are against or contradictory to the conditions of this Notice Inviting Tender.
14. **Security Deposit:-** The successful Bidder has to furnish a Security Deposit equivalent to 5% of the total value of purchase contract awarded to them, before executing the agreement. *The security deposit carries no interest.* The EMD

amount will be adjusted in the security deposit in the case of successful bidders. The Security Deposit can be remitted either in the form of Demand Draft from any Nationalised/Scheduled Bank drawn in favour of FA & CAO, KSRTC, Thiruvananthapuram, payable at Thiruvananthapuram or in the form of Bank Guarantee from any Nationalised/Scheduled Bank with a claim period of minimum 3 months beyond the expiry of the contract including warranty period. The security deposit will be forfeited if the contractor fails to complete the supply as per the schedule issued by KSRTC or in the event the Bidder fails to settle any claim including the warranty claims. The security deposit will be refunded only after the satisfactory completion of the CAM contract including warranty / CAMC claims or penalty settlement.

15. **Agreement:-** The successful Tenderer shall have to execute an agreement within 15 days from the date of issue or purchase order, incorporating the Terms & Conditions of Tender and as per Kerala Stores Purchase Manual. The agreement has to be executed in the prescribed form issued from KSRTC, in Rs.200/- INDIAN STAMP PAPER after furnishing the Security deposit equivalent to 5% of the total value of purchase contract awarded to them, as per provisions of Kerala Store Purchase Manual, for the due fulfilment of the contract. If the bidders are not willing to execute the Agreement and Security deposit, their offer will not be considered
16. The Corporation reserves the authority to consider the offer in part or full as desired.
17. The offer once made cannot be withdrawn or modified under any circumstances. Withdrawal or modification of the offer once made in tender will result in the forfeiture of EMD remitted. In such cases the bidder will not have the right to claim the refund of EMD.
18. The articles are to be similar, in all respects according to the specifications shown in tender notice and shall be subject to the approval of the Chairman and Managing Director, KSRTC.
19. The Chairman and Managing Director, KSRTC does not bind himself to accept the lowest or any offer and reserves the right to select one or more from the offers made as considered expedient.
20. Supply of the materials should be completed within the time stipulated by KSRTC, failing which the Corporation will procure the materials from other sources at the risk and cost of the Bidder.
21. Details of Warranty offered by the supplier should be specified clearly.

22. The decisions of the Chairman and Managing Director on all matters arising out of this notice/contract will be final, conclusive and legally binding on all parties concerned.
23. Disputes if any, shall be settled through mediation and Corporation will notify mediating official from time to time and only when mediation is failed, litigation within the jurisdiction of the courts at Thiruvananthapuram and Ernakulam need to be sought.
24. **GENERAL INSTRUCTIONS TO BIDDERS**
- a. The rates quoted should be for door delivery at KSRTC, Staff Training Centre, Attakulangara, Eastfort, Thiruvananthapuram – 695023.
  - b. Tender shall be made in English. The bidder shall submit the bids electronically through e-procurement portal (Web site : [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)). The bids is invited in two stage bidding system i.e. pre-qualification (Technical) and Commercial bid (BOQ)separately. All the technical bid documents along with all types of bid fees (Tender Fee & EMD) should be uploaded only in e-procurement portal. No hard copy of technical bid documents will be accepted.
  - c. In case of NEFT, remittance should be made only to the 22 digit beneficiary account number as seen in the remittance form which is available in the e-portal while submitting tender.
  - d. **ON LINE PAYMENTS:-** The bidders shall seek clarification from Kerala State IT Mission, e-Government procurement PMU & Help desk, Saankethika, Near EPF Office, Vrindavan Gardens, Pattom, Thiruvananthapuram 695004. *Help Desk No. Ph: 0471 - 2577088, 2577188; Toll free No.18002337315; e-mail: [etendershelp@kerala.gov.in](mailto:etendershelp@kerala.gov.in) ; Website: [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)* and make himself conversant with procedure for online payment of the Tender Fee and EMD. KSRTC shall under no circumstance be responsible for failed transactions due to non compliance of the above procedure
  - e. The bid will be opened online through the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) at the KSRTC, Transport Bhavan, Fort, Thiruvananthapuram on the date and time mentioned in the e- tender portal in the presence of the Bidders/authorised representatives available. If the e-tender opening date happens to be a holiday or non-working day due to any valid reason, the Tender opening process will be done on the next working day at the same time and place specified. Any change in the opening date/time/venue due to other reasons shall be informed by way of Corrigendum published in the e-GP website.

- f. DIGITAL SIGNATURE CERTIFICATE:- Bidders will have to procure legally valid Digital Certificate as per Information Technology Act, 2000 for digitally signing their electronic bids. Bidders can procure the same from any of the license certifying authority of India. For obtaining Digital Signature Certificate and help on e-tendering process, please contact Kerala State IT Mission, e-Government procurement PMU & Help desk, Saankethika, Near EPF Office, Vrindavan Gardens, Pattom, Thiruvananthapuram 695004. *Help Desk No. Ph: 0471 - 2577088, 2577188; Toll free No.18002337315; e-mail: [etendershelp@kerala.gov.in](mailto:etendershelp@kerala.gov.in) ; Website: [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)* on all government working days from 9.30 A.M to 5.30 P.M.
- g. Bidders are advised to note the Tender ID and Tender No. & Date for future reference.
- h. All uploaded scanned documents should contain the signature and the office seal of the bidders and should be digitally signed while uploading in e-tender portal. Documents uploaded without digitally signing shall entitle rejection of the Tender.
- i. The digitally signed Tender document and other specified documents shall be submitted online through the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) well in advance before the last date and time. No submission shall be allowed after the last date mentioned.
25. KSRTC shall under no circumstance be responsible for the rejection of tenders due to non compliance of the above procedure.
26. If the bidder proposes any other condition contradictory to the conditions of this NIT will not be considered
27. The Chairman and Managing Director, KSRTC may reject any or all the supplies made which he consider not suitable for the purpose for which they are ordered for or because they are of inferior quality or not up to or in accordance with the specifications shown in the Notice Inviting Tender and his opinion in the matter will be final and not liable to be questioned by the firm or any one on his behalf. Rejected articles should be taken back by the Contractor at his own cost.
28. Bidders are advised to go through all conditions of the Notice Inviting Tender and the Tender documents carefully and to comply them to avoid rejection of their tender.
29. The Tenderer shall bear all costs associated with the preparation and submission of its bid and Kerala State Road Transport Corporation, Thiruvananthapuram, hereinafter referred to as "Tender Inviting Authority", will in no case be responsible

or liable for these costs, regardless of the conduct or outcome of the bidding process.

30. Bidders who propose conditions which are contradictory to the tender conditions will not be considered.
31. Conditional Tenders will be summarily rejected.
32. The selected Bidder shall not be entitled to seek any deviation in the Agreement.
33. Furnishing of any false information / fabricated document would lead to rejection of the tender at any stage.
34. The Tenderer shall bear all costs associated with the preparation and submission of its bid and Kerala State Road Transport Corporation, Thiruvananthapuram, hereinafter referred to as "Tender Inviting Authority", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
35. The bidder shall read the format of Agreement enclosed as Appendix – III and shall aware about the conditions specified in the Agreement. The Agreement to be submitted by the successful bidder after receiving confirmed order.

**For CHAIRMAN AND MANAGING DIRECTOR**

**I/We hereby accept all the above terms and conditions in its entirety.**

Signature of bidder:

Name of bidder:

Address of bidder:

Telephone No. of bidder:

Mobile No. of bidder:



**Appendix – I**  
**Specifications for the supply, installation and commissioning of “Driving Simulator”**

SI No.	CHARACTERISTICS	SPECIFICATION DETAILS
<b>I</b>	<b>Physical specifications</b>	
1.	Driver Station	a. Driver Station built on Generic Light vehicle controls. All the switches and controls will be ergonomically placed as seen in the actual vehicle. b. All the controls including seat, seat belts, steering wheel, gear shifting lever, accelerator, brake, clutch pedals, and hand brake will be activated.
2.	Cabin	<ul style="list-style-type: none"> <li>• Cabin must be an exact replica of real light motor vehicle with minimum distraction and best sight views.</li> </ul>
3.	Seat	Seats of the simulator must be like the seats of the vehicle model. The seats can be fixed on a Sliding Rails over a fixed platform, which allows forward and backward movement. Seats must be equipped with Seat belts and the simulator must be equipped with seat belt warning system. The seats must have provision for the following <ol style="list-style-type: none"> <li>a) Seat forward and backward movement to find the optimal driving position</li> <li>b) Manual mechanisms for adjusting the backrest angle and seat height.</li> <li>c) Adjustable and removable Head rest.</li> </ol>
4.	Instructor station	a. Option1: Configuration 1:0 LMV simulator with inbuilt instructor station b. Option 2: Configuration 1:1 i.e One instructor controlling station and one simulator station. c. The instructor can control the training process. This station allows the instructor to manage database of the trainees and instructors, create and modify environment in a running session, record, and playback the movements of the trainee / driver for better training, impart vehicle fault or change drive conditions during a session. The instructor station is displayed through a single 20” LED Screen.
5.	Visual display	Display through curved screen with Projectors for seamless vision (with Front, Left and Right-side views).  16:9 wide screen with best aspect ratio and 1920X1080 resolution or 4K resolution.

6.	Sound System	5.1 surround system.
7.	Platform	The LMV simulator will be based on a Static Platform
8.	Processing type	Computer based processing
9.	Personal Computer/ Work Station	Intel core i5, Latest processor, 16 GB or more RAM, 500 GB SSD hard disc, 8 GB or more Graphics card, Latest windows and supporting softwares, Wireless multimedia Keyboard with wireless mouse,
10.	Electric supply	220-240 volts (India)
11.	UPS System	Minimum 2kVA online UPS to be supplied by the client for the continuous power backup of the system.
II	Simulated features	
12.	Activated controls	<p>Simulator has the following controls fully activated and simulated</p> <ol style="list-style-type: none"> <li>1. Steering wheel</li> <li>2. Foot pedals – Accelerator, Brake and Clutch</li> <li>3. Gear Shift – Manual Gear Transmission</li> <li>4. Handbrake</li> <li>5. Windshield wiper</li> <li>6. Lighting combination switch</li> </ol>
13.	Steering console, Clutch Brake, and accelerator pedals.	Compactable with specific car models, supplied with suitable software. Force feedback steering wheel to simulate realistic road feel.
14.	Gear Knob	Option for including Both Manual and Automatic gear changing knob.
15.	Instrument Cluster	<p>Following elements of the instrument cluster of the actual vehicle are fully integrated and activated with simulator Graphics</p> <ol style="list-style-type: none"> <li>1. Speedometer</li> <li>2. L/R turn indicator</li> <li>3. Hand brake indicator</li> <li>4. Headlight indicator</li> <li>5. High beam indicator</li> <li>6. Hazard switch</li> <li>7. Parking brake indicator</li> <li>8. Seatbelt indicator</li> </ol> <p>Note: Instrument cluster is activated on a separate LED screen fitted on the dashboard.</p>
16.	Force Feedback Steering	Simulator is equipped with a motorised steering to give the same feeling on turning as observed in an actual vehicle.
III	Software Features	
	III (A). Visual Environment	
17.	Vehicle Type	The simulator will be offered with Generic Sedan Vehicle. The 3 D Model of user vehicle and the vehicle dynamics will replicate generic sedan in the software.

18.	Terrains	<p>Simulator has a 3D visual environment covering the following elements. The terrain is based on Generic Indian roads.</p> <ol style="list-style-type: none"> <li>1. City Terrain: Including commercial area, residential area, featuring schools, parking lots, Zebra crossings, speed breakers, flyovers etc</li> <li>2. Highway Terrain: Including tunnels, exits, toll booths, industrial parks, petrol pumps, rest areas factories etc. The highway terrain features freeways, expressways, 2 and 3 lane highways.</li> <li>3. Hill Terrain: Including steep turns, slopes, different gradients etc.</li> </ol> <p>Note: The terrains replicate generic Indian Road conditions and Traffic rules as per Motor Vehicle Act.</p>
19.	Realistic Sound Environment	<p>Simulator gives high quality stereophonic representation of sound without clutter and captures following elements.</p> <ol style="list-style-type: none"> <li>a. Starting ignition sound</li> <li>b. Vehicle engine sound</li> <li>c. Surrounding traffic noise</li> <li>d. Horn</li> <li>e. Rain drops</li> <li>f. Windshield wiper</li> <li>g. Screeching brake sound</li> <li>h. Indicator's ticking sound</li> </ol>
20.	Driving in fully immersive environment	<p>Simulator provides complete freedom to drive in a simulated environment in different driving situations.</p>
21.	Simulated modes / Time of day	<p>Simulator enables driving in different simulated modes of day and night. 0-24 hour time of day selection is available on the instructor station.</p>
22.	Varying traffic density	<p>Simulator provides driving in high, medium and low traffic conditions simulated vehicle density includes cars, trucks, bus, taxi, motorcyclists and pedestrians.</p>
23.	Adverse weather conditions	<p>Simulator has the provision to drive / practice in adverse weather conditions and experience Fog and Rain. The weather conditions may be injected in real time from low to high intensity from the instructor station.</p>
e.	Graphical databases	<ul style="list-style-type: none"> <li>• Rural, city environments, town, highway, motorways, School zone, roundabouts, medians, narrow roads, slope, different terrains including off roads.</li> <li>• Driving with low visibility areas (with fog), with High beam,</li> <li>• Even in roads animal crossing roads</li> </ul>
f.	Traffic mode	<ul style="list-style-type: none"> <li>• Realistic traffic behaviour with different vehicle types and pedestrian interactions.</li> <li>• Advanced autonomous traffic that behaves very natural with High/medium/low traffic density.</li> <li>• Driving experiences with navigating</li> </ul>

		<p>around long trucks and vehicles.</p> <ul style="list-style-type: none"> <li>Comprehensive adherence to Motor vehicles laws and regulations.</li> </ul>
g.	Rendering surfaces	Left, centre and right out-of-the window views, rearview mirrors left, center and right, top view to assess vehicle position on the road.
h.	Driving mode	Both manual and automatic which can be selected via user interface.
i.	Driving Side of road	Both left-lane (RHD) and right-lane (LHD) driving versions compactible for Indian Driving conditions and international driving conditions.
j.	Vehicle Dynamics/Physics	Accurate simulation of vehicle dynamics, including weight distribution, tire grip, and suspension.
k.	Comprehensive Feedback System	Real-time feedback and assessment for driving errors and performance.
l.	Crash Simulation	Safe simulation of accidents to teach avoidance and handling of crashes.
<b>III (B) Training Modules</b>		
24.	Progressive training for driving skills	<p>Progressive training modules as follows to cover a comprehensive training curriculum for drivers starting from acquiring basics to advanced driving skills.</p> <p><u>Basic Training Modules includes:</u>  This module aims to train the drivers on basic driving skills.</p> <ol style="list-style-type: none"> <li>Driving off</li> <li>Stopping</li> <li>Precise stopping</li> <li>Safe car following distance.</li> <li>Steering practice</li> <li>Driving on small and large roundabouts.</li> <li>Driving around poles.</li> <li>Single and dual carriageways.</li> <li>Speed control and limits.</li> </ol> <p><u>Advance Training Modules:</u>  This module aims to train drivers on advanced driving skills under complete safety.</p> <ol style="list-style-type: none"> <li>Driving uphill</li> <li>Driving uphill with traffic</li> <li>Driving downhill</li> <li>Driving downhill with traffic</li> <li>Driving with realistic interactive and intelligent traffic.</li> <li>Night driving with various situations.</li> </ol>
25.	Defensive driving module	<p>This module has multiple driving scenarios in City and Highway giving learners an opportunity to drive in different risky situations. It is designed to skill the driver on anticipating the hazards correctly.</p> <ol style="list-style-type: none"> <li>Vehicle overtaking another stationery vehicle</li> <li>Vehicle appears from a blind spot.</li> <li>Vehicle appears from a blind spot at intersection</li> </ol>

		<ul style="list-style-type: none"> <li>d. Sudden start of a parked vehicle</li> <li>e. Vehicle appears from behind a parked vehicle</li> <li>f. Sudden stopping of preceding vehicle</li> <li>g. Truck reversing from a parking space.</li> <li>h. Vehicle speeding at an accident spot</li> </ul>
26.	Virtual Test Track (Optional)	Virtual Track is designed to evaluate and test drivers' performance on various parameters like slalom, reversing, signal rules, parking etc.
27.	Fuel Economy Module (Optional)	The module has been designed to train drivers on fuel efficient driving technologies. All incidents that occur in the module are constant and reproducible so comparison in mileage and driving style can be carried out before and after training. Driver learns key aspects and techniques of fuel - efficient driving.
28.	Clinical Test Module	<p>Psychometric Test designed on the simulator for evaluating drivers on various parameters. This unique system helps in identifying drivers' fitness levels and driving specific ability through the range of psychological tests.</p> <ul style="list-style-type: none"> <li>a. Reaction Test</li> <li>b. Anticipation Test</li> <li>c. Aptitude Test</li> <li>d. Judgement Test</li> <li>e. Colour Blindness</li> <li>f. Vision Test.</li> </ul>
29.	Training Language	Written and vocal messages of basic rules for habitual safe driving. Training languages included in our proposal are English and Hindi. The languages can be customised as per local language at an additional charge.
30.	III (C) Basic Instructor station features	
31.	Customised scenario settings	<p>The instructor station enables the instructor to customise the following in various combinations</p> <ul style="list-style-type: none"> <li>a. Selection of terrains</li> <li>b. Daylight conditions</li> <li>c. Weather conditions</li> <li>d. Traffic density</li> </ul>
32.	Calibration of the vehicle	<p>The instructor station enables unlimited calibration of the following controls for easy self - maintenances.</p> <ul style="list-style-type: none"> <li>a. Steering</li> <li>b. Brake</li> <li>c. Accelerator</li> <li>d. Clutch</li> </ul>
33.	Record and replay	All the driving sessions of the user are recorded and can be replayed. The video is not stored in the system and can be replayed once at the end of the driving session.
34.	Performance evaluation report	Simulator evaluates the driver throughout the training process. Evaluation report is generated at the end of the driving session. System produces the reports and can be

		<p>printed through a printer. Reports generated in the simulator include.</p> <ol style="list-style-type: none"> <li>a. Single drive Report</li> <li>b. Multiple drive report</li> <li>c. Defensive driving report</li> <li>d. Virtual Test Track Report (Optional)</li> <li>e. Fuel Efficiency Report (Optional)</li> <li>f. Clinical Test Report (Optional)</li> </ol>
35.	Data Retention and archiving	The history of training records is crucial and will be stores in the instructor station. The instructor may retrieve the data as and when required as a PDF or CSV file
36.	Diagnostics of controls	This feature enables the instructor to diagnose the controls of the simulator in case of a system breakdown for easy maintenance.
37.	Instructor Stations	Needs to managing database of trainees and instructors. Record and replay of saved sessions. Managing performance evaluation reports. Update/implement any vehicle fault in a running session.

Signature:

Name & Address of the Tenderer Place:

Date:

(Seal of the Tenderer)

**APPENDIX: II**  
**KERALA STATE ROAD TRANSPORT CORPORATION**  
**SAMPLE PRICE EVALUATION**

The price bid evaluation will not be on the basis of price quoted for the machine alone, but including cost of supply, installation, commissioning and the CAMC for the period of 5 years as detailed follows. In the sample calculation the warranty is taken as 2 years and CAMC as 5 years after the expiry of warranty period for the machine (ie from the 3<sup>rd</sup> year till 7<sup>th</sup> year).

Description	Firm I (a)	Firm II (b)	Firm III (c)	Firm IV (d)
End Rate for supply, installation and commissioning of "Driving Simulator including 2 years warranty period (As per specification of NIT).	100000	150000	125000	200000
3 <sup>rd</sup> Year CAMC charge after warranty period as per Clause No. 3 (f) of NIT	2000	1500	2500	3000
4 <sup>th</sup> year CAMC Charge	1750	1250	2250	2750
5 <sup>th</sup> year CAMC Charge	1500	1000	2000	2500
6 <sup>th</sup> year CAMC Charge	1250	750	1750	2250
7 <sup>th</sup> year CAMC Charge	1000	500	1500	2000
<b>Total</b>	<b>1,07,500.00</b>	<b>1,55,000</b>	<b>1,35,000</b>	<b>2,12,500</b>
<b>Status</b>	<b>L1</b>	<b>L3</b>	<b>L2</b>	<b>L4</b>

Place:

Date:

Signature :

Name and Address of the Tenderer

(Seal of the Tenderer)



## Annexure – A

(Proforma of Certificate be furnished along with Technical Bid)

### **KERALA STATE ROAD TRANSPORT CORPORATION**

#### **GENERAL INFORMATION ABOUT THE TENDERER**

1	Name of the					
	Registered address					
	of the firm with					
	State		District			
	Telephone No.		Fax			
	Email		Website			
<b>Contact Person Details</b>						
2	Name		Designation			
	Telephone No.		Mobile No.			
<b>Communication Address</b>						
3	Address					
	State		District			
	Telephone No.		Fax			
	Email		Website			
<b>Type of the Firm ( Please ✓ relevant box )</b>						
4	Private Ltd.	<input type="checkbox"/>	Public Ltd.	<input type="checkbox"/>	Proprietorship	<input type="checkbox"/>
	Partnership	<input type="checkbox"/>	Society	<input type="checkbox"/>	Others, specify	<input type="checkbox"/>
	Registration No. & Date of					
<b>Nature of Bussiness ( Please ✓ relevant box )</b>						
5	Original Manufacturer		<input type="checkbox"/>	Authorized Dealer /Representative	<input type="checkbox"/>	
	Direct Importer		<input type="checkbox"/>	Others, specify.	<input type="checkbox"/>	
<b>Key personnel Details (Chairman, CEO, Directors, Managing Partners etc. )</b>						
6	in case of Directors, DIN Nos. are required					
	Name			Designation		
	Name			Designation		
<b>Bank Details</b>						
7	Bank Account No.			IFSC Code		
	Bank Name & Address			Branch Name		
	Tel No			Email ID		

8	Whether any criminal case was registered against the company or any of its promoters in the past?				Yes / No
9	Other relevant Information provided *				
Date:		Office Seal		Signature of the tenderer / Authorised signatory	



**ANNEXURE -B**

**SPECIFICATION SHEET**

**Re-Tender for the supply, installation and commissioning of "Driving Simulator".**

Tender No.S001 – SRA01/23/2024 – Store KSRTC – HQ

Dtd: 01.08.2024

Technical Specification

Make :

Brand & Model:

SI No.	CHARACTERISTICS	SPECIFICATION DETAILS	Conformance of specifications (Yes / No)	Remarks if any
<b>I</b>	<b>Physical specifications</b>			
1.	Driver Station	a. Driver Station built on Generic Light vehicle controls. All the switches and controls will be ergonomically placed as seen in the actual vehicle. b. All the controls including seat, seat belts, steering wheel, gear shifting lever, accelerator, brake, clutch pedals, and hand brake will be activated.		
2.	Cabin	• Cabin must be an exact replica of real light motor vehicle with minimum distraction and best sight views.		
3.	Seat	Seats of the simulator must be like the seats of the vehicle model. The seats can be fixed on a Sliding Rails over a fixed platform, which allows forward and backward movement. Seats must be equipped with Seat belts and the simulator		

		<p>must be equipped with seat belt warning system. The seats must have provision for the following</p> <ul style="list-style-type: none"> <li>a) Seat forward and backward movement to find the optimal driving position</li> <li>b) Manual mechanisms for adjusting the backrest angle and seat height.</li> <li>c) Adjustable and removable Head rest.</li> </ul>		
4.	Instructor station	<ul style="list-style-type: none"> <li>a. Option1: Configuration 1:0 LMV simulator with inbuilt instructor station</li> <li>b. Option 2: Configuration 1:1 i.e One instructor controlling station and one simulator station.</li> <li>c. The instructor can control the training process. This station allows the instructor to manage database of the trainees and instructors, create and modify environment in a running session, record, and playback the movements of the trainee / driver for better training, impart vehicle fault or change drive conditions during a session. The instructor station is displayed through a single 20" LED Screen.</li> </ul>		
5.	Visual display	Display through curved screen with Projectors		

		for seamless vision (with Front, Left and Right-side views).  16:9 wide screen with best aspect ratio and 1920X1080 resolution or 4K resolution.		
6.	Sound System	5.1 surround system.		
7.	Platform	The LMV simulator will be based on a Static Platform		
8.	Processing type	Computer based processing		
9.	Personal Computer/ Work Station	Intel core i5, Latest processor, 16 GB or more RAM, 500 GB SSD hard disc, 8 GB or more Graphics card, Latest windows and supporting softwares, Wireless multimedia Keyboard with wireless mouse,		
10	Electric supply	220-240 volts (India)		
11	UPS System	Minimum 2kVA online UPS to be supplied by the client for the continuous power backup of the system.		
II	Simulated features			
12	Activated controls	Simulator has the following controls fully activated and simulated 1. Steering wheel 2. Foot pedals – Accelerator, Brake and Clutch 3. Gear Shift – Manual Gear Transmission 4. Handbrake 5. Windshield wiper 6. Lighting combination switch		
13	Steering console, Clutch Brake, and accelerator pedals.	Compactable with specific car models, supplied with suitable software. Force feedback steering wheel to simulate realistic road feel.		
14	Gear Knob	Option for including Both Manual and Automatic gear changing knob.		

15	Instrument Cluster	<p>Following elements of the instrument cluster of the actual vehicle are fully integrated and activated with simulator Graphics</p> <ol style="list-style-type: none"> <li>1. Speedometer</li> <li>2. L/R turn indicator</li> <li>3. Hand brake indicator</li> <li>4. Headlight indicator</li> <li>5. High beam indicator</li> <li>6. Hazard switch</li> <li>7. Parking brake indicator</li> <li>8. Seatbelt indicator</li> </ol> <p>Note: Instrument cluster is activated on a separate LED screen fitted on the dashboard.</p>		
16	Force Feedback Steering	<p>Simulator is equipped with a motorised steering to give the same feeling on turning as observed in an actual vehicle.</p>		
III	Software Features			
	III (A). Visual Environment			
17	Vehicle Type	<p>The simulator will be offered with Generic Sedan Vehicle. The 3 D Model of user vehicle and the vehicle dynamics will replicate generic sedan in the software.</p>		
18	Terrains	<p>Simulator has a 3D visual environment covering the following elements. The terrain is based on Generic Indian roads.</p> <ol style="list-style-type: none"> <li>1. City Terrain: Including commercial area, residential area, featuring schools, parking lots, Zebra crossings, speed breakers, flyovers etc</li> <li>2. Highway Terrain: Including tunnels, exits, toll booths, industrial parks, petrol pumps,</li> </ol>		

		<p>rest areas factories etc. The highway terrain features freeways, expressways, 2 and 3 lane highways.</p> <p>3. Hill Terrain: Including steep turns, slopes, different gradients etc.</p> <p>Note: The terrains replicate generic Indian Road conditions and Traffic rules as per Motor Vehicle Act.</p>		
19	Realistic Sound Environment	<p>Simulator gives high quality stereophonic representation of sound without clutter and captures following elements.</p> <ol style="list-style-type: none"> <li>a. Starting ignition sound</li> <li>b. Vehicle engine sound</li> <li>c. Surrounding traffic noise</li> <li>d. Horn</li> <li>e. Rain drops</li> <li>f. Windshield wiper</li> <li>g. Screeching brake sound</li> <li>h. Indicator's ticking sound</li> </ol>		
20	Driving in fully immersive environment	<p>Simulator provides complete freedom to drive in a simulated environment in different driving situations.</p>		
21	Simulated modes / Time of day	<p>Simulator enables driving in different simulated modes of day and night. 0-24 hour time of day selection is available on the instructor station.</p>		
22	Varying traffic density	<p>Simulator provides driving in high, medium and low traffic conditions simulated vehicle density includes cars, trucks, bus, taxi, motorcyclists and pedestrians.</p>		
23	Adverse weather conditions	<p>Simulator has the provision to drive / practice in adverse</p>		

		weather conditions and experience Fog and Rain. The weather conditions may be injected in real time from low to high intensity from the instructor station.		
m.	Graphical databases	<ul style="list-style-type: none"> <li>• Rural, city environments, town, highway, motorways, School zone, roundabouts, medians, narrow roads, slope, different terrains including off roads.</li> <li>• Driving with low visibility areas (with fog), with High beam,</li> <li>• Even in roads animal crossing roads</li> </ul>		
n.	Traffic mode	<ul style="list-style-type: none"> <li>• Realistic traffic behaviour with different vehicle types and pedestrian interactions.</li> <li>• Advanced autonomous traffic that behaves very natural with High/medium/low traffic density.</li> <li>• Driving experiences with navigating around long trucks and vehicles.</li> <li>• Comprehensive adherence to Motor vehicles laws and regulations.</li> </ul>		
o.	Rendering surfaces	Left, centre and right out-of-the window views, rearview mirrors left, center and right, top view to assess vehicle position on the road.		
p.	Driving mode	Both manual and automatic which can be selected via user interface.		
q.	Driving Side of road	Both left-lane (RHD) and right-lane (LHD) driving versions compactible for Indian Driving conditions and		

		international driving conditions.		
r.	Vehicle Dynamics/Physics	Accurate simulation of vehicle dynamics, including weight distribution, tire grip, and suspension.		
s.	Comprehensive Feedback System	Real-time feedback and assessment for driving errors and performance.		
t.	Crash Simulation	Safe simulation of accidents to teach avoidance and handling of crashes.		
III (B) Training Modules				
24	Progressive training for driving skills	<p>Progressive training modules as follows to cover a comprehensive training curriculum for drivers starting from acquiring basics to advanced driving skills.</p> <p><u>Basic Training Modules includes:</u></p> <p>This module aims to train the drivers on basic driving skills.</p> <ol style="list-style-type: none"> <li>a. Driving off</li> <li>b. Stopping</li> <li>c. Precise stopping</li> <li>d. Safe car following distance.</li> <li>e. Steering practice</li> <li>f. Driving on small and large roundabouts.</li> <li>g. Driving around poles.</li> <li>h. Single and dual carriageways.</li> <li>i. Speed control and limits.</li> </ol> <p><u>Advance Training Modules:</u></p> <p>This module aims to train drivers on advanced driving skills under complete safety.</p> <ol style="list-style-type: none"> <li>a. Driving uphill</li> <li>b. Driving uphill with traffic</li> <li>c. Driving downhill</li> <li>d. Driving downhill with traffic</li> <li>e. Driving with realistic interactive and intelligent traffic.</li> <li>f. Night driving with various situations.</li> </ol>		

25	Defensive driving module	<p>This module has multiple driving scenarios in City and Highway giving learners an opportunity to drive in different risky situations. It is designed to skill the driver on anticipating the hazards correctly.</p> <ol style="list-style-type: none"> <li>a. Vehicle overtaking another stationery vehicle</li> <li>b. Vehicle appears from a blind spot.</li> <li>c. Vehicle appears from a blind spot at intersection</li> <li>d. Sudden start of a parked vehicle</li> <li>e. Vehicle appears from behind a parked vehicle</li> <li>f. Sudden stopping of preceding vehicle</li> <li>g. Truck reversing from a parking space.</li> <li>h. Vehicle speeding at an accident spot</li> </ol>		
26	Virtual Test Track (Optional)	<p>Virtual Track is designed to evaluate and test drivers' performance on various parameters like slalom, reversing, signal rules, parking etc.</p>		
27	Fuel Economy Module (Optional)	<p>The module has been designed to train drivers on fuel efficient driving technologies. All incidents that occur in the module are constant and reproducible so comparison in mileage and driving style can be carried out before and after training. Driver learns key aspects an techniques of fuel – efficient driving.</p>		
28	Clinical Test Module	<p>Psychometric Test designed on the simulator for evaluating drivers on various parameters. This unique system helps in identifying drivers' fitness levels and driving specific ability through the range of psychological tests.</p> <ol style="list-style-type: none"> <li>a. Reaction Test</li> </ol>		

		<ul style="list-style-type: none"> <li>b. Anticipation Test</li> <li>c. Aptitude Test</li> <li>d. Judgement Test</li> <li>e. Colour Blindness</li> <li>f. Vision Test.</li> </ul>		
29	Training Language	<p>Written and vocal messages of basic rules for habitual safe driving. Training languages included in our proposal are English and Hindi. The languages can be customised as per local language at an additional charge.</p>		
30	III (C) Basic Instructor station features			
31	Customised scenario settings	<p>The instructor station enables the instructor to customise the following in various combinations</p> <ul style="list-style-type: none"> <li>a. Selection of terrains</li> <li>b. Daylight conditions</li> <li>c. Weather conditions</li> <li>d. Traffic density</li> </ul>		
32	Calibration of the vehicle	<p>The instructor station enables unlimited calibration of the following controls for easy self - maintenances.</p> <ul style="list-style-type: none"> <li>a. Steering</li> <li>b. Brake</li> <li>c. Accelerator</li> <li>d. Clutch</li> </ul>		
33	Record and replay	<p>All the driving sessions of the user are recorded and can be replayed. The video is not stored in the system and can be replayed once at the end of the driving session.</p>		
34	Performance evaluation report	<p>Simulator evaluates the driver throughout the training process. Evaluation report is generated at the end of the driving session. System produces the reports and can be printed through a printer. Reports generated in the simulator include.</p> <ul style="list-style-type: none"> <li>a. Single drive Report</li> </ul>		

		<ul style="list-style-type: none"> <li>b. Multiple drive report</li> <li>c. Defensive driving report</li> <li>d. Virtual Test Track Report (Optional)</li> <li>e. Fuel Efficiency Report (Optional)</li> <li>f. Clinical Test Report (Optional)</li> </ul>		
35	Data Retention and archiving	The history of training records is crucial and will be stores in the instructor station. The instructor may retrieve the data as and when required as a PDF or CSV file		
36	Diagnostics of controls	This feature enables the instructor to diagnose the controls of the simulator in case of a system breakdown for easy maintenance.		
37	Instructor Stations	Needs to managing database of trainees and instructors. Record and replay of saved sessions. Managing performance evaluation reports. Update/implement any vehicle fault in a running session.		

I/We hereby declare that the information furnished above are true, to the best of my / our knowledge and belief.

Place:  
Date:

Signature with Name, Address & Seal of  
Tenderer.



**Annexure - C**

(Proforma of Certificate be furnished along with Technical Bid)

**AFFIDAVIT**

**Format for Affidavit certifying that Entity / Promoter(s) /Director(s)/Partners of Entity are not blacklisted**

I, M/s. .... (Name of the firm), having registered office at ..... hereby certify and confirm that we or any of our promoter(s) /director(s) are not barred by Department of Transport, Govt. of Kerala/ or any other entity of Government of Kerala or blacklisted by any state government or central government / department / organization in India from participating in Tender/s, either individually or as member of a Consortium as on the ..... (Last date of submission of tender).

We further confirm that we are aware that, our bid for the captioned tender would be liable for rejection in case any material misrepresentation is made or discovered at any stage of the Bidding Process or thereafter during the contract period.

Dated this .....Day of ....., 20.....

Name of the Applicant

.....

Signature of the Authorized Person

.....

Name of the Authorized Person



**Annexure - D**

(Proforma of Certificate be furnished along with Technical Bid)

**MANUFACTURER'S AUTHORIZATION FORM FOR DEALER**

To,  
The Chairman & Managing Director,  
KSRTC  
Transport Bhavan, Fort, TVPM

Ref Tender no: \_\_\_\_\_ Dated: \_\_\_\_/\_\_\_\_/\_\_\_\_\_

Whereas \_\_\_\_\_ (Name and Address of the Manufacturer) who are established and manufacturers of (Name/description of the products), having production facilities at \_\_\_\_\_ (Address of factory) do hereby declare that M/s. \_\_\_\_\_ (Name and Address) is our authorized dealer and they are authorize to submit a bid, and subsequently negotiate and sign the Contract with you against NIT No \_\_\_\_\_ dated \_\_\_\_\_ for the above products manufactured by us, for the supply requirements of the above invitation of bids. The dealership certificate is valid up to \_\_\_\_\_

We hereby extend full warrantee for the products offered for supply by the above firm against the said NIT and duly authorize said firm to act on our behalf in fulfilling all installation, technical support and maintenance obligations as required by KSRTC.

Name: \_\_\_\_\_ (In the capacity of)

(Duly authorized to sign the authorization on and behalf of)

Signature:

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

Note: This letter of authority must be on the letterhead of the concerned manufacturer and must be signed by a competent person and having the power of attorney to bind the Manufacturer and, must be included by the Bidder in its bid.

**For Reference only**

**(To be submitted by the successful bidder only after receiving purchase order)**

**Appendix - III**

(To be furnished in Indian Stamp paper worth Rs. 200/-  
by the successful bidder)

KERALA STATE ROAD TRANSPORT CORPORATION

FORM OF AGREEMENT

(for Contract for Supply of Specific Quantity)

Agreement executed on ..... (date) between

.....

..... (herein after called "the Contractor") and the **Kerala State Road Transport Corporation** (herein after called "the Corporation").

WHEREAS the Contractor has tendered for the supply of articles for the use of the Corporation as per Notice Inviting Tender No: ..... dated: ..... which tender notification shall form part of this Agreement as if incorporated herein.

AND WHEREAS the Corporation have been pleased to accept the offer in respect of the articles mentioned in the copy of the order attached (Which shall form part of this agreement as if incorporated herein).

AND WHEREAS the Contractor has as security for the due fulfilment of his obligations under this deed deposited ` ..... being ..... percent of the estimated value of the contract in cash / in the form of Demand Draft of ..... Bank / in the form in a letter of Guarantee from ..... Bank approved by the Corporation.(scheduled banks)

NOW THESE PRESENTS WITNESS AS FOLLOWS:

(1) (A) In case where along with the tender samples have been forwarded to the Corporation and the samples approved, the contractor agrees to supply the materials according to the approved samples. In other cases, the contractor agrees to forward samples to Corporation for approval, if so required, and then to supply materials according to such approved samples. When samples are not required the contractor agrees to supply according to standard specification. Samples forwarded by the contractor to the Corporation will not be paid for and shall be the property of the Corporation, but the Corporation is at liberty to return them to the contractor on the completion of his contract or to pay for them at agreed rates if they so choose. All Samples must be clearly labeled showing to what particular items tendered for they relate and they should be of sufficient size and quantity to enable the Corporation to see if the supplies made are according to the approved samples.

(B) The Contractor hereby declares that the goods sold to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and particulars contained in the copy of the order attached herewith the contractor hereby guarantees that the said goods would continue to conform to the description and quality aforesaid for a period of ..... months from the date of delivery of the said goods to the Corporation and that notwithstanding the fact the Corporation may have inspected and/or

approved the said goods, if during the aforesaid period of ..... months the said goods be discovered not to conform to the description and quality aforesaid or have deteriorated ( and the decision of the Corporation in that behalf will be final and conclusive ) the Corporation will be entitled to reject the said goods or such portion thereof as may be discovered not to conform to the said description and quality. On such rejection the goods will be at the contractor's risk and all the provisions herein contained relating to rejection of goods etc: shall apply. The contractor shall if so called upon to do, replace the goods etc. or such portion thereof as is rejected by the Corporation. Otherwise the contractor shall pay the Corporation such damages as may arise by reason of the breach of the condition herein contained. Nothing herein contained shall prejudice any other right of the Corporation in that behalf under this contract or otherwise.

- (2) Requests for enhancement of rates once accepted will not be considered except where Corporation has prior to the actual supplies, expressly agreed in writing for any price variation under specified circumstances. Conditions of the sale or other specified terms and conditions, if any printed on the quotation sheets of the contractor or attached with the Contractor's tender or any other letter or paper from the contractor will not govern this contract nor bind the Corporation in any manner what so ever unless such terms have been expressly accepted by the Corporation in writing.
- (3) The articles and quantities to be supplied are as shown in the copy of the Order No ..... dated ..... herewith attached, which shall be considered as part of this agreement. The contractor agrees to supply the quantities of the articles shown in the order at the rates tendered by him for each articles within the time fixed.
- (4) In the case of goods delivered by shipment, the contractor, shall where the expected tonnage of goods is more than 200 tones, deliver the goods through the Thiruvananthapuram port, if so required by the Corporation.

- (5) The contractor agrees that time is the essence of this contract.
- (6) If the contractor defaults in the due supply of all or any of the articles correctly and promptly as above, the Corporation is at liberty to procure the same from elsewhere without cancelling the contract as a whole. If Corporation incur, in thus procuring such materials, a higher cost than the agreed rate, such excess cost may be deducted by the Corporation from the Contractor's bill or adjusted or otherwise realized from his security deposit or recovered from him by other means. The Contractor agrees, that he shall not be entitled to claim the excess, if any, of the tendered rate over such cost to Corporation.
- (7) All payments to the contractor for supplies effected satisfactorily will be made after scrutiny of his bills.
- (i) Either by Corporation cheques payable at the Government Treasuries.
  - (ii) Or by drafts on the Reserve Bank of India, at any of its principal branches in India.
  - (iii) Or in case of supplies from Abroad by drafts or otherwise as may be agreed to:
- (8) All incidental expenses incurred by the Corporation for making payments outside the District in which the claim arise shall be borne by the contractor.
- (9) The contractor shall not assign or make over in part or wholly the contract or the benefits or burdens hereof. The contractor shall not underlet or sublet the execution of the contract or any part thereof without the consent in writing of the corporation. The Corporation shall have absolute power to refuse any such consent or rescind such consent (if given) at any time. The contractor shall not be relieved from his obligation, duty or responsibility under this contract even if consent to let or subject is given by the Corporation.

- (10) NOT WITH STANDING the provisions contained to Clause 5, the Corporation shall have the right to cancel contract for any default on the part of the contractor in the due performance thereof.
- (11) It shall be lawful for the Corporation from and out of any money for the time being payable or due to the contractor from the Corporation under this contract or otherwise to set off any loss, expense, cost or damages, sustained or incurred by the Corporation by reason of the cancellation of the contract.
- (12) The security deposit shall subject to the conditions specified herein be returned to the Contractor within three months after the expiration of the contract.
- (13) The Contractor agrees that any communication addressed to him may be handed over to him or his agent personally or left at his residence or place of business or may be sent by prepaid post to his address as mentioned in this deed.
- (14) The contractor agrees that all sums found due to the Corporation under or by virtue of these presents shall be recoverable from him and his properties, movable and immovable, under the provisions of the Revenue Recovery Act, for the time being in force as though they are arrears of land revenue or in any other manner as the Corporation deem fit.
- (15) Any dispute arising out of this Tender procedure shall be under the Jurisdiction of Thiruvananthapuram court.

In witness where of the contractor and Sri .....,  
Controller of Purchase & Stores, for and on behalf of the **Kerala State Road Transport Corporation** have hereunto set their hands.

Signed, Sealed and delivered by:

Shri. ....

..... (Name & Address of Contractor)

..... (Signature of Contractor)

In the presence of witnesses:

1. ....(Name) ..... (Signature)

2. ....(Name) ..... (Signature)

Signed, Sealed and delivered by:

Shri: ..... Controller of Purchase & Stores, for and on behalf of the **Kerala State Road Transport Corporation**

..... (Signature)

In the presence of Witnesses:

1. .... (Name) ..... (Signature)

2. .... (Name) ..... (Signature)