

State Automotive and Driving Skills Society, Punjab, Mahuana Sri Muktsar Sahib

Tender shall be submitted in two separate envelopes containing Technical bid and financial bid. The Technical bid will be open on 13-3-2025 and financial bid will be open on 17-3-2025

Principal SIADS reserve all right to reject the tenders without assigning any reason what so ever.

Specifications for LMV (Passenger) Simulator are:-

Advance Driving LMV Simulator

- Driving LMV Simulator Body with Canopy should be based on Static Platform
- Three Display Screen 32inch Driver Station & 20inch Instructor station
- Adjustable Driving Seat with sensor enable seat belt with buckle
- Gear system 5 forward and 1 Reverse
- Force feedback steering wheel
- OEM Genuine Control Levers – Ignition, Engine, Traffic noise, Steering, Combination, Acc., Brake, Clutch, Hand Brake, Horn, Gear (All control levers should be equipped with realistic sound environment)
- OEM Dashboard Console with Instrument Cluster Meter
- Driving Modules – Basic, Intermediate, Advance
- Driving Option mode – Day, Night, Evening, Fog, Snow, Rain (Should be equipped with Advance Training Modules)
- Traffic Option Mode – None, Low, Med., High
- Driving in City, Hill, Highway, Country Road, Cross Country, Customized Terrain, Express Way (should include all terrains in given above roads)
- Defensive Driving, Alcoholic Drive, RTO Testing Track
- Simulator should have the provision to drive in all adverse weather conditions
- Driving Reports & Database Record
- Driving Evaluation Reports

Driver station shall be integrated with the OEM Controls with following controls those are fully activated & simulated

- Ignition Key
- Accelerator pedal, Brake pedal, Clutch pedal

- Gear shift lever, Gear Box Sub – assembly 5+1 speed manual
- Hand Brake, Horn, Steering Wheel, Wiper & Wiper lever – switch
- Simulator should be equipped with motorized steering
- Direction Indicators, Instrument Cluster
- OEM Adjustable driver seat with seat belt & buckle
- Dashboard activation- Activation of Instrument cluster mounted on actual dashboard – a) Speedometer, b) L/R turn Indicators, c) Hand Brake Indicators, d) Head light Indicator with low/high beam, e) Hazard switch, f) Seatbelt Indicator, g) Parking brake indicator

Instructor Station should enable the following features

- a) Customized Scenario Settings
- b) Fault Injections
- c) Calibration of the Vehicle
- d) Record and Replay
- e) Performance Evaluation Report
- f) Data Retention and Archiving
- g) Diagnostics of Controls

Simulator should be offered with generic TATA Passenger Vehicle

Hardware :-

- **Processor:** Intel Core i5,
- **HP Desktop with i5, 12th Generation**
- **RAM:** 16 GB DDR 4 RAM
- **Hard drive:** 500 GB hard drive
- **Graphics card:** 8GB
- **Operating system:** Windows 10 Pro 64 bit
- **Wireless Keyboard & Mouse**
- **UPS 1 kva**
- **Software should be with Indian rules & regulations**
- **Hp LaserJet Printer**