



SCEI SYMBIOSIS CENTER FOR ENTREPRENEURSHIP AND INNOVATION

Technology Business Incubator, Funded by DST, Govt. of India

Registered Office: S.No. 46 Gram: Lavale, Taluka: Mulshi District: Pune, Maharashtra 412115. www.scei.org.in, ceo@scei.org.in,
Ph.No.+91-20-61936338, CIN: U80902PN2016NPL166553

TENDER NOTICE

T.E. No. SCEI/Tender/2025-26/02

Date: 07th March, 2026

To,
All the interested and eligible Vendors

**Subject : Tender Enquiry for supply of "HARDWARE FOR EV TESTING SET",
at Symbiosis Centre for Entrepreneurship and Innovation(SCEI), Lavale, Pune 412115.**

Dear Sirs/ Madams,

For and on behalf of the SCEI, sealed tenders are invited from all the interested and eligible firms for **supply of "HARDWARE FOR EV TESTING SET", at SCEI, Lavale, Pune- 412115** as per requirements given in the Schedule of this document.

In case your firm is interested, you are requested to quote your lowest prices in an enclosed proforma in a sealed cover. The sealed cover containing the quotation should be super scribed "**Quotation for supply of "HARDWARE FOR EV TESTING SET", at SCEI, Lavale, Pune 412115"** and should be sent or handover to Accounts Department of SCEI, on or before **14th March 2026 latest by 15:00 hours**, which will be **opened on 16th March 2026 at 11:00 hours** in **Conference Hall of SCEI** in the presence of such tenderers who wish to be present. SCEI reserves the right to accept or reject any quotation / estimates without assigning any reason thereof.

It is mandatory to pay **Rs.2,000/-**(Rs.Two Thousand only) as Tender Document Cost, through NEFT/IMPS/Google pay or Demand Draft. We will mail you a Tender Document after receiving payment. After paying the document cost send the screenshot on accountsadmin@scei.org.in.

Bank details: Account Name- Symbiosis Centre for Entrepreneurship and Innovation. **A/c No.** – 6471394765. (Saving A/c). **IFSC** – IDIB000D007. **Bank** – Indian Bank, Deccan Gymkhana, Pune.

The sealed envelope must be accompanied by a Demand Draft/Pay order/ banker's cheque of Nationalized Bank for 2% amount of tender value which is **Rs.1,04,000/-** (Tender value is Rs.52,00,000/-) as earnest money deposit. The earnest money amount will be returned to the unsuccessful firm immediately after the award of the contract to successful bidders and the earnest money of the successful tenderer will be returned only after completion of the work to the satisfaction of the Purchaser. Unsolicited bids from parties not invited, if received, will be rejected.

Tendering firms fulfilling the requirements in this tender document are requested to quote their competitive lowest prices as per the requirements given in the attached schedule I.

Yours faithfully,

Dr.Saptarishi Ghosh
Chief Executive Officer

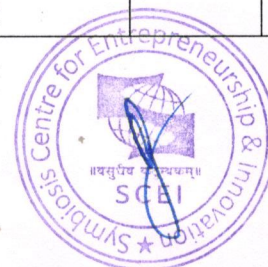


(Give quotation on your letterhead)

T.E. No. SCEI/Tender/2025-26/02 Date: 07/03/2026				
Schedule I : Bill of Quantities				
"HARDWARE FOR EV TESTING SETUP"				
Sr. No.	Particulars	Specification	Qty. (Nos.)	Rate (Rs.)
01	4-Wheeler Transmission Electronics & Electrical Training Model & Test Bench with IoT enabled EV advanced Feature with Battery and Smart Interactive BMS	<p>(Motor: 1000 W BLDC in runner, 48 V DC (configurable up to 60 V) Controller: 48 V / 50 A semi-smart controller with regenerative braking and protection Transmission: EV-grade drivetrain with differential (33-inch single-speed drum type, customizable) Converters: 1 Main DC/DC (48–72 V to 12 V 20 A) + 2 Auxiliary (12 V 10 A each) Frame: Heavy-duty mobile frame with vibration dampers Battery: 48 V 18 Ah Li-Po with Smart BMS, wireless data via Bluetooth and touch display Smart BMS: Monitors SoC, SoH, voltage, temperature; supports UART/RS485/CAN Cooling: Air-cooled system with NTC feedback Ignition: Smartphone-operated Wi-Fi (ESP32) with anti-theft and remote lock system IoT & Automation: Cloud-based dashboard with Wi-Fi /Bluetooth connectivity for real-time monitoring and control. Logs RPM, speed, temperature, distance, and battery data. Enables remote start/stop, brake control, fault alerts and diagnostics. Safety & Sensors: Auto-braking via ultrasonic sensors (up to 2 m), reverse camera, emergency kill switch, short-circuit protection, and distance sensing display. Wiring & Training Layout: IP65-rated color-coded harness (A–Z labelled), fuse and relay panel for safe access and fault creation.)</p>	1	
02	2-wheeler e-Scooty cut model with Training Facility & 2-wheeler assembly components	<ul style="list-style-type: none">• Complete assembly disassembly training of motor, wiring harness and other electrical components.• Wire harness fitment and troubleshooting training.• Hub motor drive system with 48-volt system, including battery, charger	2	
03	3/4 Wheelers cut model with Training Facility	<ul style="list-style-type: none">• Complete assembly disassembly training of motor, wiring harness and other electrical components.• Wire harness fitment and troubleshooting training.	1	



		<ul style="list-style-type: none"> • Hub motor drive system with 48-volt system, including battery, charger 		
04	High End HIL test bed for validation & Testing	Real-time Simulator <ul style="list-style-type: none"> • 19" Rackmount real-time device of 4th generation. • 6 SPCs (FPGA Processing cores). Minimal time step 200ns. • Communication: Ethernet, EtherCAT (master and slave), CAN, FDCAN, RS232, GPIO, HSSL, JTAG, USB 3.0, SFP, QSFP, IRIG-B. • Paralleling: Yes 	1	
05	BMS Interface 24 Channels	<ul style="list-style-type: none"> • 6U 19" Chassis with backplane containing 6 x Smart Cell Emulator Card (0..8V, 1A, Open Wire, Short Circuit, and Reverse Polarity Faults), • 1 x Thermistor Emulator Card (0-655.35kΩ), CAN Splitter 	1	
06	Battery Management System (BMS)	Full featured lithium-ion battery management system that is specifically designed to meet the tough requirements of protecting and managing battery packs for electric vehicles (EV), plug-in hybrid (PHEV) and hybrid vehicles (HEV) with automotive grade quality.	1	
07	Battery Prototyping & Manufacturing Kit	<ol style="list-style-type: none"> 1. One set for complete assembly & testing of Battery pack 2. Two set of Soldering rod and Soldering Iron, Wires for practices, 3. 2 set of BMS, Wrapping Material, Hot gun, Multimeter (2 Set), 4. 2 set of Lithium-ion Phosphate Battery (one Set for Demo, 1 set for Practice), 5. Consumables: extra cells in case of damage during practical with Table based Workstation (6ft with Racks), Spot-welding machine, IR Tester, Safety Goggles (5 Set), Safety Gloves (12 Set) 	2	
08	Battery Holder & Thermal Chamber	<ol style="list-style-type: none"> 1. Battery holder to fit all sizes of Cylindrical Cells 2. Thermal chamber for Battery wiring arrangement 	1	
09	Charging Station Instruction & Training Kit	<ul style="list-style-type: none"> • Phase/Power Rating – 3 Phase / 9.9kW • Operating Type / IP Rating – IEC 60309 / 16A Socket (optional) / IP54 • AC Input Rating – 240V ±15% • AC Output Rating – 3 × 3.3kW • Input Voltage Range – 190V to 450V AC • Connector Type – IS/IEC 60309 • Ambient Temperature – -20°C to +55°C • OCPP 2.0 / App-Based Charging – Supported • Interface & Control – Ethernet, WiFi, 4G Module • Cooling – Natural Air Cooling 	1	



10	BMS CAN Protocol	BMS CAN Protocol	1	
11	Safety Tool Kit	(Cotton Under Gloves (12 Pair) Mask (5 Pair) Goggles (5 Pair) Full Apron (5 Pair) Helmet with Face Shield (5 Pair) First Aid Box (2) Fire Extinguisher (2 Nos) High Voltage Insulated Gloves (5 Pair)	2	
12	Wallchart, Banner and Hoarding for demonstration & training- EV	6-10 wallcharts based on room capacity; Branding inside and 2 outside the lab; EV Tree with LED Light fitted arrangement explaining the details of the EV, Acrylic based hoarding (4*3)	2	
13	Transportation, Installation and Commissioning	Transportation, Installation & Commissioning of all Hardware for EV Testing Setup	-	Included
	Total Amount			

Note: All specification parameters are variable and it may change according to brand specification.

TENDER SCHEDULE

Please Note : All bid related activities(Processes) like sale of Tender Document, Bid Preparation, Bid submission will be governed by the time schedule given under key dates below:

Sr.No.	Activities	Date and Time
1	Tender Notice	7th March 2026 at 16:30 hours (4:30 PM) on the SCEI website-(www.scei.org.in) and on the Symbiosis Society website (www.symbiosis.ac.in)
2	Sale of Tender Document	7th March 2026 onwards. SCEI will send it by mail.
3	Submission of Bid	On or before the 14th March 2026 latest by 15:00 hours (3 PM) ..: Accounts Department – SCEI
4	Bid Opening	16th March 2026 at 11:00 hours (11:00 AM) in Conference Hall of SCEI

