



# NATIONAL UNIVERSITY OF TECHNOLOGY, ISLAMABAD

Ref: 106/SCM/NUTECH

Dated: 2 January 2026

M/S \_\_\_\_\_

Address: \_\_\_\_\_

Cell: \_\_\_\_\_

Subject: **REQUEST FOR QUOTATION:- "Purchase of Equipment for Wired Based EV Charge"**

Dear Sir,

Sealed bids/quotations are invited for the supply of the following items.

Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
1.	<b>Raspberry Pi 4 B,</b> <ul style="list-style-type: none"><li>Processor: Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz</li><li>RAM: 8GB LPDDR4-3200 SDRAM</li><li>2.4 GHz and 5.0 GHz IEEE 802.11ac wireless, Bluetooth 5.0, BLE</li><li>Gigabit Ethernet</li><li>2 USB 3.0 ports; 2 USB 2.0 ports</li><li>Raspberry Pi standard 40 pin GPIO header</li></ul>	Nos	European	1		
2.	<b>Official Raspberry Pi 15W USB-C Power Supply,</b> <ul style="list-style-type: none"><li>Input voltage: 100 - 240V</li><li>Input AC frequency: 50-60Hz</li><li>Output voltage: 5.1V</li><li>Output current: 3.0A</li><li>Output power: 15W</li><li>Connector: USB-C</li><li>Cable: 1.5m 0.82 mm<sup>2</sup>/18 AWG</li></ul>	Nos	European	1		
3.	<b>SIM7600E-H 4G HAT,</b> <ul style="list-style-type: none"><li>LTE Cat-4/ 3G</li><li>Supports dial-up, telephone calls, SMS</li><li>SIM card slot, supports 1.8V/3V SIM card</li><li>Operating voltage 5V/3.3V</li></ul>	Nos	Chinese	1		
4.	<b>Display Screen,</b> <ul style="list-style-type: none"><li>LCD</li><li>Touch screen operation</li><li>7-inch screen display</li><li>SPI / HDMI / MIPI DSI compatible</li><li>Resolution Range 1280×720 to 1920×1080</li><li>Compatible with Raspberry Pi 4 B</li></ul>	Nos	American/ European/ Chinese	1		

Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
5.	<b>INA226 Current Sensor Module,</b> <ul style="list-style-type: none"> <li>Monitors: Current and power</li> <li>Voltage Range: 0V to +36V DC</li> <li>Accuracy: 0.1% maximum gain error</li> <li>10µV maximum offset.</li> <li>Resolution: 16-bit ADC for precise measurement.</li> <li>Interface: I<sup>2</sup>C compatible</li> <li>Supply Voltage: 2.7V to 5.5V</li> <li>Pin Description               <ol style="list-style-type: none"> <li>VBUS: bus voltage input</li> <li>SDA/SCL: IIC bus data and clock signal lines</li> <li>ALERT: Multi-function alarm output</li> <li>A0/A1: I2C address line</li> <li>IN+/IN-: non-inverting analog input, inverting analog input</li> </ol> </li> </ul>	Nos	American/ Chinese	2		
6.	<b>ADS1115 (16-ADC) Development Board Module,</b> <ul style="list-style-type: none"> <li>Resolution: 16-bit</li> <li>Supply Voltage: 2.0V to 5.5V</li> <li>Interface: I2C (two-wire serial)</li> <li>Input Channels: Four single-ended or two differentials</li> <li>Data Rate: Programmable from 8 to 860 SPS</li> </ul> Internal components: <ol style="list-style-type: none"> <li>Low-drift voltage reference</li> <li>Oscillator</li> <li>Programmable Gain Amplifier (PGA)</li> <li>Programmable comparator</li> </ol>	Nos	American/ Chinese	2		
7.	<b>DS18B20 digital thermometer,</b> <ul style="list-style-type: none"> <li>Programmable from 9 to 12 bits</li> <li>Supply Voltage 3 V to 5.5 V</li> <li>TEMP RANGE -55°C to +125°C</li> <li>PIN-PACKAGE 3 TO-92</li> </ul>	Nos	American/ Chinese	4		
8.	<b>DS18S20 digital thermometer,</b> <ul style="list-style-type: none"> <li>9-Bit Resolution</li> <li>Supply Voltage 3 V to 5.5 V</li> <li>TEMP RANGE -55°C to +125°C</li> <li>PIN-PACKAGE 3 TO-92</li> </ul>	Nos	American/ Chinese	4		
9.	<b>27 KΩ Precision Resistor,</b> <ul style="list-style-type: none"> <li>Power Rating: 1 - 5 W</li> <li>1 % Tolerance</li> <li>Metal Film Construction</li> <li>Axial Resistor</li> </ul>	Nos	Chinese	10		



Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
10.	<b>1 K<math>\Omega</math> Precision Resistor,</b> <ul style="list-style-type: none"> <li>Power Rating: 1 - 5 W</li> <li>1 % Tolerance</li> <li>Metal Film Construction Axial Resistor</li> </ul>	Nos	Chinese	10		
11.	<b>FL-2-75-100 DC Shunt Resistor,</b> <ul style="list-style-type: none"> <li>Model: FL-2</li> <li>Rated Current: 100A DC</li> <li>Voltage Drop: 75mV at 100A</li> <li>Accuracy Class: <math>\pm 0.5\%</math> of full scale</li> <li>Material: Copper</li> <li>Operating Temp: -40°C to +60°C</li> <li>Overload: 120% of rated current for 2 hours</li> </ul>	Nos	Chinese	2		
12.	<b>Standard CC/CV Li-ion Battery Charger,</b> <ul style="list-style-type: none"> <li>Output Voltage (CV): 73-84V</li> <li>Output Current (CC): 8A-15A</li> <li>Charging Method: CC/CV</li> <li>Battery Type: 20S Li-ion</li> <li>Output Power: 1000-1500W</li> <li>Input: 220-240V AC</li> <li>Protections: OVP, OCP, SCP, OTP, reverse-polarity</li> <li>Cooling: Fan-cooled</li> <li>Connector: IEC-60320 C13</li> </ul>	Nos	American/ European/ Chinese	1		
13.	<b>BLDC Motor + Sine Wave Controller,</b> <ul style="list-style-type: none"> <li>E-bike Brushless Hub Motor</li> <li>Nominal Voltage (V): 72 V</li> <li>Nominal Power (W): 1000 W</li> <li>32 A Sine Wave Controller</li> </ul>	Nos	Chinese	1		
14.	<b>Field-Installable C13 Plug,</b> <ul style="list-style-type: none"> <li>Type: IEC-60320 C13 Field-Installable Female Connector</li> <li>Voltage Rating: 250 V AC</li> <li>Must support 18mm<sup>2</sup> conductors securely</li> <li>Terminal Type: Screw-clamp</li> </ul>	Nos	American/ European/ Chinese	2		
15.	<b>DC Circuit Breaker,</b> <ul style="list-style-type: none"> <li>Company: Schneider</li> <li>Model Number: IC60H-DC 63A</li> <li>Rated current: DC 63A</li> <li>Poles Number: 2</li> <li>Rated Voltage: DC 1000V</li> </ul> <p>Breaking Capacity: 6KA</p>	Nos	French/ Chinese	2		



Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
16.	<b>Arduino Due,</b> Microcontroller Board based on Atmel SAM3X8E ARM Cortex-M3 CPU (32-bit). Clock Speed: 84 MHz. Operating Voltage: 3.3V. I/O: 54 Digital, 12 Analog. Interfaces: 2x CAN Controllers (CANRX/TX), USB OTG, 4x UARTs.	Nos	American/ European/ Chinese	04		
17.	<b>MCP 2551 Transceiver,</b> Standalone CAN Controller IC. Compliant with CAN V2.0B. Speed: Up to 1 Mb/s. Operating Voltage: 3.3V DC.	Nos	American/ European/ Chinese	05		
18.	<b>ESP32 Dev Module,</b> ESP-WROOM-32 Development Board. Processor: Dual-core Xtensa® 32-bit LX6. Connectivity: Integrated 2.4 GHz Wi-Fi (802.11 b/g/n) and Bluetooth (v4.2/BLE). Memory: 520 KB SRAM. Logic Level: 3.3V. Header pins pre-soldered.	Nos	American/ European/ Chinese	02		
19.	<b>GSM SIM800L,</b> Cellular Communication Module (GSM/GPRS). Features: Supports SMS, voice calls, and packet data (GPRS). Interface: UART (Serial). Voltage: Operates at 3.4V – 4.4V.	Nos	American/ European/ Chinese	02		
20.	<b>Solid Core Wire,</b> Single-strand copper wire. Gauge: 22 AWG (suitable for breadboards/prototyping). Insulation: PVC. Length: 5 meters.	Nos	American/ European/ Chinese	01		
21.	<b>Dupont Connector Pins,</b> 30 Male and 30 Female metallic crimp terminal pins for Dupont connectors. Material: Phosphor bronze.	Nos	American/ European/ Chinese	350		
22.	<b>Dupont Crimping Tool,</b> Precision ratchet crimping tool for Dupont pins (2.54mm) and JST-SM connectors. Compatible with 20-28 AWG wire range.	Nos	American/ European/ Chinese	1		
23.	<b>Dupont 2-pin Housing,</b> 2-pin plastic connector housing shell. Standard 2.54mm pitch for custom wiring and sensor connections.	Nos	American/ European/ Chinese	30		
24.	<b>Dupont 8-pin Housing,</b> 8-pin plastic connector housing shell. Standard 2.54mm pitch for custom wiring and sensor connections.	Nos	American/ European/ Chinese	30		
25.	<b>Arduino Power Adapter,</b> AC/DC Switching Power Supply. Input: 100-240V AC, 50/60Hz. Output: 12V DC, 1A (1000mA). Connector: 5.5mm x 2.1mm Barrel Plug (Center Positive). Type: Wall-mount regulated adapter.	Nos	American/ European/ Chinese	04		




Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
26.	<b>Jumping Wires, Connector Types:</b> <ul style="list-style-type: none"> <li>Male-to-Male (M-M),</li> <li>Male-to-Female (M-F),</li> <li>Female-to-Female (F-F).</li> </ul> Assortment pack of wires required for connecting modules to the Arduino	Nos	American/ European/ Chinese	03		
27.	<b>USB Type B Cable,</b> USB 2.0, A-Male to B-Male (Standard Printer Type). Function: Data transfer for programming and serial communication. Length: 1.5m to 3.0m. Power Support: Up to 500mA.	Nos	American/ European/ Chinese	04		
28.	<b>Copper bus bars,</b> <b>Material:</b> Pure electrolytic copper, 99.9 percent <b>Type:</b> Flat rigid bus bar <b>Thickness:</b> 3 mm <b>Width:</b> 25 mm <b>Weight:</b> 61.6 kilos <b>Current Rating:</b> Suitable for 100 A AC current <b>Surface Finish:</b> Bare copper <b>Conductivity:</b> High electrical conductivity	Nos	Pakistan	308 foot		
29.	<b>Copper cable,</b> <b>Product:</b> Pakistan cable / Fast Cable <b>Conductor size:</b> 7/29 <b>Conductor material:</b> Electrolytic grade copper, high conductivity <b>Conductor type:</b> Stranded copper <b>Insulation material:</b> PVC <b>Insulation color:</b> As per standard (red, black)	Nos	Pakistan	2		
<b>Inclusive of All Taxes</b>						
<b>Grand Total</b>						

#### Terms & Conditions:-

1. Sealed envelope may clearly be marked as Quotation applied for and name, address and contact number of vendor.
2. Taxes shall be deducted as per Government Rule.
3. Quote for above mentioned items should be on company's letterhead with sign and stamp.
4. Also mention date of quote, **NTN and STRN** number in your quotation.
5. Quality must be ensured.
6. Quotes must reach in SCM Office 2nd Floor Admin Block NUTECH IJP Road Sector I-12 Islamabad latest by 09 January 2026 not later than 1200 hrs.
7. Quotes will be opened on 09 January 2026.

8. Delivery period will be **07 days** after placing Supply Order. Please ensure delivery within stipulated time.
9. Rates shall be quoted on free delivery basis at NUTECH IJP Road Sector I-12 Islamabad.
10. Warranty/ Guarantee required 12 Months.
11. **Business will not be awarded on package deal.**

  
Deputy Director  
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National University of Technology, Islamabad