



NATIONAL UNIVERSITY OF TECHNOLOGY, ISLAMABAD

Ref: 106/SCM/NUTECH

Dated: 12 March 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.	Heating element, Type: Spring Heating Element Rated Power: 5000 Watts ($\pm 10\%$) Rated Voltage: 220–240V AC	Nos	Pakistan/ China	50		
2.	Heat-Shrink Tubing, Product Name: Heat-Shrink Tubes (Assorted Sizes) Type: Polyolefin, Flame-Retardant, Electrical Insulation Sleeves Shrink Ratio: 2:1 (Standard) or 3:1 (High- Shrink) Material: Cross-linked Polyolefin Colors: Black Temperature Rating: Shrink Temperature: 70–110°C Full Shrink Temperature: 125–135°C Operating Temperature: 55°C to +125°C Size: 3mm, 6mm, 10mm, 16mm & 25 mm	Mtr	Pakistan/ China	50 meters Each size		
3.	Magnetic contactor 3Pole, Brand: Fuji Electric/any Model: SC-N3 / SC-3N (or equivalent Fuji 100 A series) Type: Magnetic Contactor Rated Current: 100 A Poles: 3-Pole (3- Phase) Utilization Category: AC-3 (Motor Duty) Main Contact Voltage Rating: Up to 440 V AC Coil / Control Voltage: 220V AC Mounting: DIN rail Standards: IEC 60947- 4-1 compliant Application: Suitable for motor control and power switching	Nos	Pakistan/ China	02		

Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
4.	Magnetic contactor 4Pole, Brand: Fuji Electric/LS/any Type: 4 pole Magnetic Contactor Rated Current: 80 A Utilization Category: AC-3 (Motor Duty) / AC-1 (Noninductive Load) Main Contact Voltage Rating: Up to 440 V AC Coil / Control Voltage: 220V AC Mounting: DIN rail Standards: IEC 60947-4-1 Compliant Application: Suitable for motor control and power switching	Nos	Pakistan/China	03		
5.	Changeover Relay, Type: Changeover Relay (Automatic Transfer / Changeover Type) Function: Automatically switches between two power sources (Main & Backup) Rated Current: 100A Rated Voltage: 230 V AC / 400 V AC Number of Poles: 2-Pole Coil / Control Voltage: 220V AC Mounting: DIN Rail Standards: IEC 60947-6-1 / IEC 60947-4-1 Application: Main Generator / Main-UPS automatic changeover	Nos	Pakistan/China	25		
6.	Resistor, Item Name: Fixed Resistor Power Rating: 0.25 Watt Resistance Values Required: 1 Ω , 100 Ω , 220 Ω , 1 k Ω , 2 k Ω , 3 k Ω , 5 k Ω , 10 k Ω Type: Carbon Film / Metal Film Tolerance: $\pm 5\%$ (or better if available) Rated Voltage: As per standard $\frac{1}{4}$ W rating Leads: Axial Leads, Tinned Copper Body Type: Flame Retardant Coated	Nos	Pakistan/China	100 Each resistor		
7.	Diode, Type: Silicon Rectifier Diode Model : 1N4007	Nos	Pakistan/China	50		

Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
8.	LEDs, Type: Through hole Color: Red, Green, Blue, White Forward Voltage: Red, Yellow: 1.8 V to 2.2 V Green, Blue, White: 2.8 V to 3.4 V Forward Current: 20 mA Power Rating: 0.25 W Viewing Angle: 20 to 120 Degrees Lens Type: Clear Package Size: 5 mm Polarity: Anode and cathode Marked Operating Temperature: Minus 40 C to plus 85 C Luminous Intensity: As per colour standard	Nos	Pakistan/ China	35 Each colour		
9.	Bread board, Type: Solderless, reusable Tie Points: 400 or 830 points Power Rails: Dual power rails on both sides Contact Material: Phosphor bronze or nickel plated Rated Voltage: 300 V Rated Current: 1 A per contact Compatible Wire Size: 20 to 29 AWG Mounting Type: Adhesive backing or screw mount Base Material: ABS plastic Operating Temperature: Minus 20 C to plus 70 C Color: White	Nos	Pakistan/ China	04		
10.	Vero board, Type: Copper strip prototyping board with green solder mask Base Material: FR4 Board Color: Green Copper Thickness: 35 Micron Hole Pitch: 2.54 mm Track Width: Standard strip Layout Board Thickness: 1.6 mm Hole Diameter: 1.0 mm Copper Layout: Parallel continuous copper strips Surface Finish: Green solder mask with exposed copper pads Soldering Type: Through hole only Board Size: 95 × 127 mm or as required	Nos	Pakistan/ China	04		
11.	Soldering wire, Type: Rosin core solder wire Alloy Composition: Tin percent, Lead percent 60/40 or 63/37 Wire Diameter: 1.0 mm Flux Type: Mild activated rosin (RMA) Flux Content: 2 percent to 3 percent Melting Point: Approx. 183 C to 190 C Application: PCB soldering and electronic components Spool Weight: 200 g Residue: Low residue, easy to clean Electrical Conductivity: High Smoke Level: Low High Smoke Level: Low	Nos	Pakistan/ China	05 pcs		

Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
12.	Breaker 3 phase, Rated Current: 32 A Rated Voltage: 230 V AC, 50 Hz Poles: three Pole (3P) Tripping Curve: Type C (for general load) Mounting Type: DIN rail Operating Mechanism: Thermal magnetic Housing Material: Fire resistant plastic Operating Temperature: -25 C to + 55 C Mechanical Life: Minimum 10,000 operations Terminal Type: Screw Protection Class: IP20 Application: Power distribution, load protection	Nos	Pakistan/ China	04		
13.	DC power supply, Type: SMPS Total Output Power: 1000W Number of Outputs: Four output Output Voltages (Typical): <ul style="list-style-type: none"> • 5 V DC • 12 V DC Output Type: Fixed, regulated, isolated Total Output Current: As per output ratings, combined power 1500 W Input Voltage: 220 to 240 V AC, 50 Hz Efficiency: Greater than 85 percent Ripple and Noise: Less than 200 mV peak to peak Protection: Over voltage, over current, short circuit, over temperature Output Adjustment: Not required, fixed outputs Output Terminals: Heavy duty screw terminals Enclosure: Metal body Operating Temperature: 0 C to 50 C	Nos	Pakistan/ China	01		
14.	DIN Rail, Type: Standard DIN rail Profile: TS 35 (35 mm width) Material: Aluminum Length: 1 meter or 2 meters Thickness: 1.5 mm Surface Finish: Zinc plated Mounting Type: Screw Mounted Load Capacity: Suitable for MCB, contractors Application: Control panels, electrical distribution boards Operating Temperature: -20 C to + 80 C	Mtr	Pakistan/ China	07 meter		

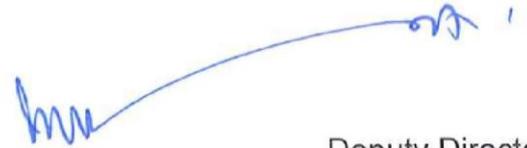
Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
15.	Spacer, Product: Metal and plastic Spacer Material: Stainless steel, aluminum, or brass (specify) Type: Round/hexagonal, threaded or unthreaded Size: (M3 x 10mm), (M5 x 10mm), (M8 x 10mm), Finish: Polished, zinc-plated, or natural	Nos	Pakistan/ China	50 pcs each site and type		
16.	Thimble, Product: Copper cable thimble (lug) Size: 25 mm ² Material: Pure electrolytic copper Finish: Tinned copper, corrosion resistant Type: Ring type cable lug	Nos	Pakistan/ China	100		
17.	Jumper wire, Product: Jumper wire for Arduino Type: Male to female, male to male and female to female Conductor: Copper, stranded or solid Wire type: Flexible, single-core or multi-core Wire size: Typically 22 AWG (0.33 mm ²) Insulation: PVC or silicone, flexible for breadboards Insulation colors: Assorted (red, black, yellow, etc.)	Nos	Pakistan/ China	200 Each type		
18.	128 GB Micro SD Card, Performance Class A2 Video Speed Class V30 128GB capacity MicroSDXC format Compatible with Raspberry pi 4 B Available programmed or unprogrammed with Raspberry Pi OS.	Nos	American/ European/ Chinese	01		
19.	Raspberry Pi 5, Processor (SoC): Broadcom BCM2712 — 2.4 GHz quad-core 64-bit Arm Cortex-A76 CPU with cryptography extensions. GPU: Video Core VII, supporting OpenGL ES 3.1 and Vulkan 1.2. Memory (RAM): LPDDR4X 8 GB. Storage interface: microSD card slot (supports high-speed SDR104 mode). Expansion / Peripheral Interfaces: 2 × USB 3.0 ports (simultaneous 5 Gbps) + 2 × USB 2.0 ports Gigabit Ethernet (with optional PoE+ support via dedicated HAT) Dual micro-HDMI outputs, support dual 4Kp60 displays with HDR support, plus 4Kp60 HEVC decode, 2 × 4-lane MIPI	Nos	Pakistan	01		

Ser	Items and Specifications	A/U	Country of Origin	Qty	Rate (Rs.)	Amount (Rs.)
	CSI/DSI interfaces (for cameras or displays) PCIe 2.0 x1 interface (for fast peripherals / NVMe storage with adapter) Standard 40-pin GPIO header (compatible with many HATs / shields) Power Supply: 5 V via USB-C, supports up to 5 A (Power Delivery) for heavier loads / peripherals.					
20.	CT, Company: ricken Model : CNS C6038 JIS C1925 Rating 200/5A class 3.0	Nos	Pakistan	06		
21.	ADC, • AD7606 analog to digital converter IC • six channel simultaneous sampling ADC • Sixteen bit resolution for high accuracy measurements • Integrated input protection and signal conditioning • Supports bipolar and unipolar input ranges • Parallel and serial data interface options • On chip reference and buffer included • Suitable for power systems, industrial control, and data acquisition	Nos	Pakistan	06		
22.	Copper cable 25mm, • Copper wire with 25 mm cross sectional area • Made from high purity electrolytic copper • Suitable for power and earthing applications Color: Red, Black, Yellow , Blue	Mtr	Pakistan	04 meter each colour		
Inclusive of All Taxes						
Grand Total						

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 charged/deducted as per PPRA Rules.
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 20 March 2026 not later than 1200 hrs.
7. Quotes will be opened on 20 March 2026.

8. Delivery period will be **07 days** after placing Purchase 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 be awarded on item wise basis.**



Deputy Director
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