

National University of  
Technology (NUTECH)  
IJP Road, Sector I-12  
Islamabad  
Telephone: 051-5476805  
106/SCM/NUTECH  
22 April 2025

To:

Subject: Request for Quotation: - Purchase of Equipment from NRPU Project .17332

Please provide quotation for following items. Quotes will be submitted in closed envelop and must reach to SCM Office latest by 29 April 2025 before 1100 hrs.

Ser	Item Name/Size	Specification	A/U	Country of Origin	Qty	Est Unit Price (PKR)	Total Est Price (PKR)
1.	Raspberry Pi 5 8GB Ram with 27W USB-C Power Supply, Cooling Fan Active Cooler, Micro HDMI to HDMI Cable and 64GB Memory card.  Or equivalent	<b>Raspberry Pi 5 8GB Ram</b> <ul style="list-style-type: none"> <li>Broadcom BCM2712 2.4GHz quad-core 64-bit Arm Cortex-A76 CPU, with cryptography extensions, 512KB per-core L2 caches and a 2MB shared L3 cache</li> <li>VideoCore VII GPU, supporting OpenGL ES 3.1, Vulkan 1.2</li> <li>Dual 4Kp60 HDMI display output with HDR support</li> <li>4Kp60 HEVC decoder</li> <li>LPDDR4X-4267 SDRAM (8GB SKU)</li> <li>Dual-band 802.11ac Wi-Fi</li> <li>Bluetooth 5.0 / Bluetooth Low Energy (BLE)</li> <li>microSD card slot, with support for high-speed SDR104 mode</li> </ul> <b>Raspberry Pi 27W USB-C Power Supply</b> <b>Input:</b> 100–240Vac <b>Output:</b> 5.1V, 5A; 9V, 3A; 12V, 2.25A; 15V, 1.8A (Power Delivery) <b>Connector:</b> USB-C <b>Cable:</b> 1.2m 17AWG, white or black  <b>Cooling Fan Active Cooler</b> <ul style="list-style-type: none"> <li>The cooling fan is dedicated to compatible for</li> </ul>	Nos	European	1		

		<p>Raspberry Pi 5, perfect for the CPU.</p> <ul style="list-style-type: none"> <li>• Adjustable fan, active fan cooling mode, faster heat dissipation.</li> <li>• Aluminum alloy shell radiator, faster heat dissipation.</li> <li>• Simple Installation: The DC 5V fan runs smoothly and quietly, which is conducive to heat dissipation. It can be easily assembled with screws.</li> <li>• Low Noise: The blower, also chosen for low noise and extended operating life, pushes the air against the finned aluminum heat sink.</li> </ul> <p><b>Along with Micro HDMI to HDMI Cable And UHS-I 64GB Memory Card</b></p>				
2.	<p><b>Temperature Moisture EC PH NPK Soil Tester Portable USB Type-C 8 in 1 Soil Sensor with Free Android App</b></p> <p>Or equivalent</p>	<p>Temperature Moisture EC PH NPK Soil Tester Portable USB Type-C 8 in 1 Soil Sensor with Free Android App</p> <p><b>Measuring Soil parameters</b> Measure items /Parameters</p> <p><b>Temperature</b> Measuring range: -40°C-80°C Accuracy: ±5°C (25°C) Long-term stability: ≤0.1%/y Response time: ≤15s</p> <p><b>Humidity</b> Measuring range: 0-100%RH Accuracy: 2% within 0-50%, 3% within 50-100% Long-term stability: ≤1%RH/y Response time: ≤4s</p> <p><b>Conductivity (EC)</b> Measuring range: 0-20000us/cm Accuracy: ±3% (0-10000 us/cm); ±5% (10000-20000 us/cm) Long-term stability: ≤1%uS/cm Response time: ≤1s</p>	Nos	Asian	3	

		<b>PH</b> Measuring range: 3-9 PH Accuracy: $\pm 0.3$ PH Long-term stability: $\leq 5\%$ /year Response time: $\leq 10$ S  <b>Nitrogen</b> <b>Phosphorus</b> <b>Potassium</b> Measuring range: 1-1999 mg/kg(mg/L) Resolution : 1 mg/kg(mg/L) Response time: $< 1$ S				
3.	<b>NVIDIA® Jetson Orin™ Nano Super 8 GB Developer Kit + Accessories</b> Or equivalent	It should Include <ul style="list-style-type: none"> <li>• Jetson Orin Nano 8GB Developer kit</li> <li>• Reference carrier board (includes 802.11 plug-in WLAN &amp; BT module preinstalled with antenna)</li> <li>• 19V power supply</li> <li>• USB Type A to Type-C cable</li> <li>• Ethernet cable (~1.5m)</li> <li>• Cooling Fan and Case to Enclose it</li> <li>• 256GB NVMe Solid State Drive</li> <li>• Display to HDMI and Type C cable</li> <li>• IMX219 Camera</li> <li>• 7 inch touch screen display</li> <li>• and Jetson Orin Nano Super module aluminium case</li> </ul>	Nos	American	1	
<b>Gross Total inclusive of all taxes</b>						

1. Provide unit price of each item, Total price per item, Total price of all items without all applicable taxes and total price with all taxes.
2. Quote for above mentioned items should be on company's letterhead with sign and stamp.
3. Also mention date of quote, **NTN and STRN** number in your quotation.
4. Quality must be ensured.
5. Quotes must reach in SCM Office 2nd Floor Admin Block NUTECH Islamabad latest by **29 April 2025 not later than 1100 hrs.**
6. Quotes will be opened on **29 April 2025.**
7. Delivery period will be **10 days** after placing Purchase Order.
8. Please ensure delivery within stipulated time.
9. Rates shall be quoted on free delivery basis at NUTECH Islamabad.
10. Warranty/ Guarantee required **12 months** on Stamp Paper.

  
Deputy Director  
Supply Chain Management Office