



UNIVERSITY OF THE PHILIPPINES  
LOS BANOS  
Los Banos, IV-A  
VAT Reg. TIN: 000-864-006-00004

Request for Quotation/ Bid Form (Technical Specifications)  
TYPE END USER/DEPARTMENT UNIT

UPLB BAC SECRETARIAT  
BY: Janet DATE: 11-20-25  
NOV 24 2025  
UPLB-RQ- 11-157-25-1-10 am  
DEADLINE OF SUBMISSION

UPLB-RQ-

**DEADLINE OF  
SUBMISSION:**

Suppliers Name:

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Date: November 11, 2025  
Fund Code: 9372423  
MOP:  
Contact No:  
Contact Person: Carolina Delos Reyes  
9972568769

Please quote your lowest price on the item/s listed below, subject to the General Conditions below.

Note:

1. Bidders shall provide correct and accurate information required in this form. All entries must be typewritten or in print and properly accomplished. Do not leave blank entries, put N/A for not applicable.
2. Price quotation/s to be denominated in Philippine Peso shall include all taxes, duties, and/ or levies payable.
3. Bidders must indicate the BRAND and MODEL NUMBER for equipment and its accessories or peripherals. Evidence shall be in the form of manufacturer's un-amended sale literature, unconditional statement of specification and compliance issued by the manufacturer and sample.
4. Quotation through fax/email is acceptable. Winning bidder shall submit original signed RQ before issuance of Purchase order (P.O.).
5. Quotations exceeding the Approved Budget for Contract shall be rejected.
6. Documentary requirements per Memorandum No. 03 Series of 2017 shall be attached upon submission of the quotation
7. Others:

ITEM No.	GENERAL NAME OF THE ITEM	REQUIRED SPECIFICATIONS	UNIT OF MEASURE	QTY	ESTIMATED UNIT APPROVED BUDGET OF THE CONTRACT	ESTIMATED TOTAL APPROVED BUDGET OF THE CONTRACT	OFFERED SPECIFICATION <small>Suppliers must state here the detailed technical specifications of their offer against each of the individual parameters of each requirements</small>	QUOTED UNIT PRICE	TOTAL QUOTED PRICE	EVALUATION <small>(Leave this space blank. For BAC/Evaluators only)</small>
	LOT 1	Supply, Delivery and Installation of Network Rehabilitation for Plant Tissue Culture - UPLB								
<b>A. HORIZONTAL DATA CABLING</b>										
1	Patch Cord	Branded and Brand new, Cat6 Patch Cord, Machine crimped, 3m, Blue T568B	unit/s	109	550.00	59,950.00				
2	Information Outlet	Branded and Brand new, Cat6 UTP 90° Keystone Jack 110 Punch Down White	unit/s	90	390.00	35,100.00				
3	Faceplate	Branded and Brand new, American Style Faceplate 70*144mm 2 Port	unit/s	45	290.00	13,050.00				
4	Connector Boots	Branded and Brand new, Cat6 RJ45 Rubber Boots	unit/s	218	20.00	4,360.00				

B. RACKS AND ACCESSORIES									
5	UTP Cable	<p>Branded and Brand New, UTP CAT5e, 1000ft/box</p> <p>Cat5e with twisted pair pair copper Premise Horizontal Cable, Gigabit Ethernet, 100BAsTx, 100BAsVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422</p> <p>Conductor Count: 8</p> <p>AWG: 24</p> <p>Total number of pairs: 4</p> <p>Material PO - Polyolefin</p> <p>Max. Capacitance Unbalance 330 pF/ 100m,</p> <p>Nom. Mutual Capacitance 15 pF/ ft</p> <p>UL Voltage rating: 300 V RMS, NEC Articles: 800</p> <p>NEC/UL) Specification: CMR, CEC/C (UL) Specification: CMR</p> <p>ISO/ IEC Compliance: 11801 ed 2.2 (2011) Class D</p> <p>Data Category: Category 5e</p> <p>ANSI compliance: S-90-661-2012 Category 5e,</p> <p>ANSI/NEMA WC-63.1 Category 5e</p> <p>Telecommunications Standards: ANSI/TIA-568-C.2 Category 5e</p> <p>Must be the same brand on the existing cable and network management system of UPLB (pref. Belden) and subject for inspection upon delivery.</p>	box/s	13	12,445.00	161,785.00			
6	UTP Cable	<p>Branded and Brand New UTP Cat 6 Horizontal, 4pr, F/UTP, PVC Jkt, CMR</p> <p>Networking Horizontal Cable, 1000Base-T (Gigabit Ethernet), 100</p> <p>Base-T (Fast Ethernet), 10Base-T</p> <p>(Ethernet), 100 Base VG, ANYLAN, 155ATM, 622ATM, ANSI.X3.263 FDDI TP-PMD, NISC/PAL</p> <p>Component or Composite Video, AES/EBU, Digital Video, RS-422,</p> <p>Noisy Environments, 250MHz</p> <p>Category 6 CONDUCTOR: AWG: 23, Stranding: Solid, Material: Bare Copper, No. of pairs: 4</p> <p>COLOR CHART: White/Blue Stripe &amp; Blue, White Orange Stripe, &amp; Orange, White/Green stripe &amp;</p> <p>Green, White/Brown stripe &amp; Brown</p> <p>CONDUCTOR DCR: Max. Conductor DCR-93.8 Ohm/km, Max DCR Unbalance-3%</p> <p>VOLTAGE: UL Voltage Rating-300 V RMS</p> <p>STANDARDS: NEC/UL) Specification: CMR</p> <p>CEC/C (UL) Specification: CMR</p> <p>ISO/ IC Compliance: 11801 ed 2.2 (2011) Class E</p> <p>CPR Euro class: Eca</p> <p>Data Category: Category 6 ANSI Compliance: S-116-732-2013</p> <p>Category 6, ANSI/NEMA WC-66</p> <p>Category 6 Telecommunications Standards: ANSI/TIA-568-C.2</p> <p>Must be of the same brand on the existing cable and network management system of UPLB (pref. Belden) and subject for inspection upon delivery.</p>	box/s	2	14,038.75	28,077.50			

7	Managed Switch	Branded and Brand-new 24G Class4 4SFP + 195W Switch I/O ports and slots 24 RJ-45 autosensing 10/100/1000 Class 4 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX; half or full; 1000BASE-T: full only SFP+ 1/10GbE ports Switching Capacity 128 Gbps Throughput 95.23 Mpps, maximum Memory and Processor ARM Cortex-A9 @ 800 MHz 512 MB SDRAM, 256 MB flash 1.5 MB packet buffer PoE Capability 195 W Class 4 Rackmounting ears, kit and power cords included; Compatible with existing Aruba network management system of UPLB; Warranty: 1 year on parts and services	unit/s	4	32,000.00	128,000.00			
8	Data Cabinet	Branded and Brand new, Network Data Cabinet No of units: 9U L60 x W45 x H48cm Wall mountable Exhaust Slot: 2 Removable Side Panel Glass Front Panel with Key Removable Top and Bottom Slot for Cable Management Size: LxWxH: 60cm x 45cm x 48cm Surge Protected PDU, grounding and mounting kit included; Note: Offer must not a fabricated Data Cabinet.	unit/s	1	9,500.00	9,500.00			
9	UPS	Branded and brand new, Uninterrupted Power Supply; 650VA, 230V, AVR, Universal Sockets; Output: Output power capacity: 325 Watts/ 650VA max Configurable Power (Watts): 325 Watts / 650VA Nominal Output Voltage: 230V Output Frequency (sync to mains): 50/60 Hz +/- 1 Hz Topology: Line Interactive Waveform type: Stepped approximation to a sinewave Output Connections: (2) Universal Receptacle (Battery Backup) Transfer Time 4ms typical: 6ms maximum; Batteries and Runtime: Battery type: same brand maintenance-free sealed Lead-Acid battery with suspended electrolyte: leakproof; Battery modules 1 Typical Recharge time: 4hour(s); Expected Battery Life (years) 2-4 Communications and Management	unit/s	3	7,500.00	22,500.00			

		<p>Communications and Management:</p> <p>Control Panel LED Status display with On Line: On Battery</p> <p>Audible Alarm:</p> <p>Alarm when on battery;</p> <p>distinctive low battery alarm;</p> <p>overload continuous;</p> <p>Environmental:</p> <p>Audible Noise at 1 meter from surface of unit 40.0dBA.</p> <p>Officially sealed upon inspection;</p> <p>Warranty: 2 years on repair or replace</p>						
10	Access Point	<p>Branded and Brand new U6+ WiFi6 2x2 compact PoE Access Point</p> <p>Mechanical:</p> <p>Enclosure materials : Polycarbonate, aluminum</p> <p>Mount materials: ABS, SGCC steel</p> <p>Hardware</p> <p>Networking interface: (1) GbE RJ45 port</p> <p>Management interface: Ethernet</p> <p>Power method: PoE</p> <p>Supported voltage range: 44–57V DC</p> <p>Max. power consumption: 9W</p> <p>Max. TX power:</p> <p>2.4 GHz: 23dBm</p> <p>5 GHz: 23dBm</p> <p>MIMO:</p> <p>2.4 GHz: 2x2</p> <p>5 GHz: 2x2</p> <p>Throughput rate:</p> <p>2.4 GHz: 573.5 Mbps</p> <p>5 GHz: 2402 Mbps</p> <p>Antenna gain:</p> <p>2.4 GHz: 3dBi,</p> <p>5 GHz: 5.4 dBi</p> <p>Button: Factory Reset</p> <p>LEDs: White/blue</p> <p>Software:</p> <p>WiFi standards : 802.11a/b/g</p> <p>WiFi 4/WiFi 5/WiFi 6</p> <p>Wireless security : WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)</p> <p>VLAN : 802.1Q</p> <p>Original same brand PoE injector and mounting kit included;</p> <p>Compatible with existing Unifi Controller/Network Management system of UPLB;</p> <p>Officially sealed upon delivery and inspection.</p> <p>Warranty: 1 year on repair, parts and services</p>	unit/s	17	12,000.00	204,000.00		

11	Connector	Branded and brand new, Ethernet RJ45 Lan Connector, Category: Cat6 100 pcs/ box 50 micron terminals Applicable standards: TIA/EIA-568C.2 Max Current Voltage: 2A/125V AC Contact Resistance: 20m ohms; Housing: Polycarbonate Insulation resistance: 100M ohms Clear or Transparent with printed brand; Weight: 6.8g/pcs Certificate: CE, ROHS, ISO9001 Connectors should have a printed brand; Terminals below 50 micron in size will not be accepted; connectors' plastic packaging and box are officially sealed and subject for inspection upon delivery. Not officially sealed connector packaging will not be accepted upon inspection; Comply with approved network standard of DIC-UPLB;	box/s	3	1,000.00	3,000.00			
12	Access Point	Branded and Brand- new Access Point WiFi6 xMbps Long-Range Enterprise AP Enclosure Material: Plastic Mounting Material: IP54 Processor Specs: Dual-Core® Cortex® A53 at 1.35 GHz Memory Information: 512 MB Management Interface: Ethernet In-Band Networking Interface: (1) Gbps Ethernet RJ45 Buttons: Factory Reset LEDs: RGB Power Method: 802.3af PoE, Passive PoE (48V) Power Supply: 802.3af PoE; 48V, 0.32A PoE Adapter Supported Voltage Range: 44 to 57VDC Max. Power Consumption: 16.5W Max. TX Power 2.4GHz: 26 dBm 5GHz: 26 dBm MIMO: 2.4GHz: 4 x 4 5GHz: 4 x 4 Throughput Speeds :2.4GHz: 600 Mbps 5GHz: 2,400 Mbps Antenna Gain : 2.4GHz: 4 dBi5GHz: 5.5 dBi Operating Temperature: -30 to 60° C (-22 to 140° F) Operating Humidity: 5 - 95% Noncondensing Certifications: CE, FCC, IC Software WiFi Standards802.11a/b/g , WiFi 4/Wi-Fi 5/Wi-Fi 6 Wireless Security: WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3) BSSID 8 per Radio VLAN: 802.1Q Advanced: QoS Per-User Rate Limiting Guest Trafic Isolation: Supported Concurrent Clients: 300+ Original same brand PoE injector and mounting kit included; Compatible with existing Unifi Controller/Network Management system of UPLB; Officially sealed upon delivery and inspection. Warranty: 1 year on repair, parts and services	unit/s	2	21,500.00	43,000.00			

<b>C. HARDWARE, MISCELLANEOUS AND ACCESSORIES</b>									
13		a. Utility Box White, Liquid Nails, Plastic Mouldings, Pipe Orange , PVC Clamp, PVC Cement. b. Electrical Wire , Pull Box, Metal C- Clamp, Connectors, Circuit Breaker, Electrical Tape, Punch Down Tool , Sealant White, Paint, Paint Brush, Velcro Tape. c. Duplex Universal outlet with Faceplate, Labelling Tape d. Metal Screws, Tox, Grip, Cable tie,& other accessories and consumables to finish the installation <b>IMPORTANT NOTES:</b> a. Main Power Supply to all proposed equipment to be provided by the client.	lot/s	1	158,780.00	158,780.00			
<b>D. FLUKE TEST</b>									
14	FLUKE TEST	Fluke test for 109 nodes; Comprehensive test includes: cable length, transmission delay, delay deviation, and tributary, loop resistance, insertion loss (attenuation), return loss, near-end crosstalk, far-end near-end crosstalk, etc, with graphs)	lot/s	1	43,600.00	43,600.00			
<b>E. MANPOWER AND LABOR</b>									
15		PROJECT ENGINEERING AND SUPERVISION, LABOR & INSTALLATION, LODGING, TOOLS, PROGRAMMING, TESTING, COMMISSIONING AND TECHNICAL TRAINING OF END-USERS 1. Installation, Fabrications, Roughing-ins, Road/Concrete Chipping, Fusion Splicing, Pipe Laying, Cable Pulling, Termination of all nodes, Testing , and Commissioning. 2. Access Point Installation, Set-up, Testing, and Commissioning 3. Preparation and submittal of system design, drawings, diagrams, and other required technical documents. 4. Cabling works and laying out cable duct, PVC moldings, outdoor UTP cable with proper piping and molding technique, outdoor RJ45 i/o box, brackets, and other ancillaries needed for the installation, configuration, testing, and commissioning. 5. Restoration and repair of damaged ceiling or wall partitions, building parts/finishes during the course of installation. 6. Removal and Clean-up old cables and equipment upon activation of new network active equipment by the ITC. 7. Free Knowledge transfer and training for Wi-Fi Access Point and Network Switches. 8. Excavation and Handhole Installation a. Pipe Laying, Conduit boxes, fittings and Restoration	lot/s	1	514,846.13	514,846.13			

	<p>9. Pipe laying, Conduit boxes, fittings and restoration;</p> <p>10. Termination of fiber optic cable and proper labeling;</p> <p>11. Project Final Documentation submission: cable location/as built map, network diagram, active equipment port allocation diagram with details, node fluke test results (cable length, comprehensive transmission delay, delay deviation, and tributary, loop resistance, insertion loss (attenuation), return loss, near-end crosstalk, far-end near-end crosstalk, etc, with graphs) , cable mapping with label and actual WiFi heat map results.</p> <p>12.) Processing of work permits &amp; other required documents for the execution of the work , as required;</p> <p>13.) Required project supervision works of engineers within the duration of project installation;</p> <p>14.) Free knowledge transfer and training for WiFi Access Point and Network Switches;</p> <p>15.) Technical and Coordination Meeting, Ocular Inspection and Verifications of project site conditions;</p> <p>16.) Supplier must have at least 5 years of experience in undertaking similar projects.</p> <p>17.) Supplier must have at least 1 trained,licensed electronic communication or network engineer in Data Center design and installation, (Submission of proof is required).</p> <p>18.) COSH - SO2 required.</p> <p>19.) Personnel/staff must be in PPE's as required by the works to be done.</p> <p>20.) Use of various hand and power tools. Rental/use of safety scaffolds included, if necessary.</p> <p>21.) Submission of Key Personnel for the project.</p> <p>Site inspection is required:</p> <ol style="list-style-type: none"> <li>1. Inspection should be done with the bidders, Authorized DIC personnel and end user in order to avail certificate.</li> <li>2. Site Inspection Certificate MUST be signed both by the end user and DIC personnel/representative.</li> <li>Site Inspection schedule _____,</li> <li>3. Initial inspection required on the winning bidder before the installation;</li> <li>4. Project is limited only for UPLB Network Rehabilitation TOR,</li> <li>5. All items must be sealed upon delivery and initial inspection.</li> </ol> <p>Note: LUMPSUM AWARD</p>					
			TOTAL ABC	1,429,548.63		TOTAL QUOTED AMOUNT IN WORDS:

Reviewed and Checked By:

Engr. Darryl Rey Camus

Mark Efrain Gironella

BAC TWG

Mark Morris Dimapilis

Please quote at your government price (including VAT) and state that the time within which you can make delivery. It will be appreciated if we can have your quotation in the office as soon as possible on or before the deadline stated herein.

  
EMMANUEL L. BERNARDO  
BUYER/ END-USER

TERMS AND CONDITIONS:

1. Price quotation/s shall be valid for a period of at least (30) calendar days from the date of submission.

2. In order to assure that manufacturing defects shall be corrected by supplier, a warranty security shall be required from the contract awardee for a minimum period of **three (3) months**, in the case of EXPENDABLE SUPPLIES, or a minimum of one (1) year warranty and two (2) to three (3) years extended warranty (if applicable) in the case of NON-EXPENDABLE SUPPLIES after acceptance by End-user of the delivered supplies.

3. Delivery period within \_\_\_\_\_ calendar days.

4. Award of contract shall be made to the lowest quotation which complies with the technical specifications, and other terms and condition stated herein.

5. UPLB reserves the right to reject any or all offers as may be considered most advantageous to the University.

6. Any interlineations, erasure, or overwriting shall be valid only if they are signed or initialed by you or any of your duly authorized representative/s.

**Requirements for Suppliers (GPPB Resolution No. 21-2017)**

REQUIREMENTS	Shopping (Section 52)	Negotiated Procurement- Small Value Procurement (Section 53.9)	Negotiated Procurement- Lease of Real Property or Venue (Section 53.10)	Negotiated Procurement- Scientific, Scholarly or Artistic Work, Exclusive Technology and Media Services (Section 53.6)	Negotiated Procurement- Emergency (Section 53.2)
1 Mayor's/Business Permit	/	/	/	/	/
2 PhilGEPS Registration Number	/	/	/	/	/
3 Professional license/ CV (consulting services)		/		/	
4 PCAB License (for Infrastructure)		/			
5 Income / Business tax returns (except for government agencies as lessor)		FOR ABC'S ABOVE 500K	/	/	FOR ABC'S ABOVE 500K
6 Omnibus Sworn Statement		FOR ABC'S ABOVE 50K			FOR ABC'S ABOVE 50K
7 NFCC for Infrastructure with ABC above Ph500k		/			FOR ABC'S ABOVE 50K

After having carefully read and accepted your General Conditions, I/We quote you on the item at prices noted above.

Name of the Company:

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

Tel. No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Signature over Printed

\_\_\_\_\_  
Name of Representative:

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

Position:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_