



UNIVERSITY OF THE PHILIPPINES

LOS BANOS

Los Banos, IV-A

VAT Reg TIN: 000-864-006-00004

Request for Quotation/ Bid Form (Technical Specifications)
DEPARTMENT OF FOREST BIOLOGICAL SCIENCES CFNR

UPLB BAC SECRETARIAT
BY: DATE: 9/1/23
SEP 05 2023 TIL 10AM
UPLB-RQ- 9-311-23-6000S
DEADLINE OF SUBMISSION
DFBS-CFNR

DEADLINE OF SUBMISSION:

Suppliers Name: \_\_\_\_\_

Date August 10, 2023
Fund Code: 8273500
MOP: SVP
Contact No: Isudreje@up.edu.ph
Contact Person: Louie S. Creje / 0936 9895371

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: \_\_\_\_\_

Table with 11 columns: 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, QUOTED UNIT PRICE, TOTAL QUOTED PRICE, EVALUATION. Rows include Patch Cord, Information Outlet, Faceplate, and Cable manager.

5	UTP cable	<p>Branded and Brand New UTP Cat 6 Horizontal, 4pr, F/UTP, PVC Jkt, CMR  LAN Category: Cat6  Terminated/Unterminated: Unterminated  Length: 1000ft  Shield Type: U/UTP  Outer Sheath Material: LSZH  American Wire Gauge: 23 AWG  Outer Diameter: 6.5mm  Series: 7812ENH  Cross Sectional Area: 0.2 mm<sup>2</sup>  Number of Strands: 1  Voltage Rating: 48 V  Current Rating: 1.5 A</p> <p>Standards Met: European standard: EN 50173-1 (2002) and EN 50173-1 Amendment 1 (2009), International standard: ISO/IEC 11801 2nd edition (2002)and ISO/IEC 11801 Amendment 2 (2010), U.S. Standards: ANSI/TIA/EIA 568-B.2-1 (2002)  Conductor Strand Type: Solid bare Copper  Capacitance: 56 pF/m  Cable Shape: Twisted Pair  Must be of the same brand on the existing cable and network management system of UPLB and subject for inspection upon delivery.</p>	box	4	8,500.00	34,000.00				
6	UTP cable	<p>Branded and Brand New, UTP CAT5e  Cat5e with twisted pair bair copper Premise Horizontal Cable, Gigabit Ethernet, 100BAseTX, 100BAseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-42  Conductor Count: 8  AWG: 24  Total number of pairs: 4  Material PO - Polyolefin  Max. Capacitance Unbalance 330 pF/ 100m  Nom.Mutual Capacitance 15 pF/ ft  UL Voltage rating: 300 V RMS  NEC Articles: 800  NEC/(UL) Specification: CMR  CEC/C (UL) Specification: CMR  ISO/ IEC Compliance: 11801 ed 2.2 (2011) Class D</p>	box	12	6,500.00	78,000.00				



		ANSI compliance: S-90-661-2012 Category 5e, ANSI/NEMA WC-63.1 Category 5e Telecommunications Standards: ANSI/TIA-668-C.2 Category 5e 1000ft/box Must be the same brand on the existing cable and network management system of UPLB and subject for inspection upon delivery.							
7	Connector	Branded and brand new, Ethernet RJ45 Lan Connector, Category cat5e and cat6 100 pcs/ box 50 micron terminals Applicable standards: TIA/EIA-568C,2Max Current Voltage: 2A/125V ACContact Resistance: 20m ohms; Housing: Polycarbonate Insulation resistance: 100M ohms Color: Clear or Transparent Weight: 6.8g/pcs Certificate: CE,ROHS,ISO9001 Terminals below 50 micron in size will not be accepted; Connectors should have printed brand; connectors plastic packaging and box are officially sealed and subject for inspection upon delivery.	box	3	800.00	2,400.00			
8	Access Point	Brand new and Branded Access Point U6 Lite Wifi 6 X Mbps Enterprise AP Mechanical; Enclosure Materials: Polycarbonate, Aluminum; Mounting Materials: Polycarbonate, SGCC Steel Hardware; Management Interfaces: Ethernet Bluetooth; Botton: Factory Reset; Networking Interface: (1) GbE RJ45 Port; Power Method: 802.3sf PoE, Passive PoE (48V); Power Supply: 802.3af PoE 48V, 0.32A PoE Supported Voltage Range: 44 to 57VDC; Max. Power Consumption: 12V; Max. TX Power: 2.4 GHz 23 dBm, 5 GHz 17 dBm; MIMO: 2.4 GHz 2 x 2, 5 GHz 2 x 2; Throughput Rate: 2.4 GHz 300 Mbps, 5 GHz 1201 Mbps; Antenna Gain: 2.4 GHz 2.8 dBi, 5 GHz 3 dBi; Operating Temperature: 30 to 60°C [-22 to 140°F); Operating Humidity: 5-95% noncondensing Software; Wifi Standard: 802.11a/b/g Wifi 4/Wifi 5/Wifi 6; Wireless Security: WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3); BSSID: 8 Per Radio; VLAN: 802.1Q; Advanced QoS Per-user Rate Limiting; Guesttrafc Isolation: Supported; Concurrent Client: 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	pc	12	10,160.00	121,920.00			

9	Access Point	<p>Branded and Brand- new Access Point U6 LR Wifi6 xMbps Long-Range Enterprise AP  Dimensions: Ø220 x 48 mm (Ø8.66 x 1.89")  Weight: Without Mount: 800 g (1.76 lb) ,  With Mount: 930 g (2.05 lb)  Enclosure Material: Plastic  Mounting Material: IP54 Hardware  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 Supported  Voltage Range: 44 to 57VDC  Max. D40Power 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  SoftwareWiFi Standards802.11a/b/g ,WiFi 4/Wi-Fi 5/Wi-Fi 6  Wireless Security: WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)  BSSID B per Radio  VLAN: 802.1Q  Advanced: QoS Per-User Rate Limiting  Guest Trafc 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</p>	pc	5	18,630.00	93,150.00				
10	Data Cabinet	<p>Brand new, Network Data Cabinet  No of units: 9U  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;</p>	pc	2	7,000.00	14,000.00				



11	Managed Switch	<p>Branded and Brand New JetStream™ 48-Port Gigabit L2+ Managed Switch with 4 SFP Slots  PORT: 48× Gigabit RJ45 Ports, 4× Gigabit SFP Slots, RJ45/Micro-USB Console Port  SPEC: 1U 19-inch Rack-mountable Steel Case  FEATURE: Integration with Omada SDN Controller, Static Routing, 802.1Q VLAN, QinQ, STP/RSTP/MSTP, IGMP Snooping, 802.1p/DSCP QoS, ACL, 802.1x, Radius/Tacacs+ Authentication, LACP, CLI, SNMP, Dual Image/Configuration, IPv6  Must be compatible with the existing Network management System of UPLB  Rackmounting ears with kit included;  Officially sealed upon inspection;  Warranty: 1 year on parts and services.</p>	pc	1	45,000.00	45,000.00				
12	Managed Switch	<p>Branded and Brand New JetStream™ 24-Port Gigabit L2+ Managed Switch with 4 SFP Slots  PORT: 24× Gigabit RJ45 Ports, 4× Gigabit SFP Slots, RJ45/Micro-USB Console Port  SPEC: 1U 19-inch Rack-mountable Steel Case  FEATURE: Integration with Omada SDN Controller, Static Routing, OAM, 802.1Q VLAN, QinQ, STP/RSTP/MSTP, IGMP Snooping, 802.1p/DSCP QoS, ACL, 802.1x, Radius/Tacacs+ Authentication, LACP, CLI, SNMP, Dual Image/Configuration, IPv6  Must be compatible with the existing Network management System of UPLB  Rackmounting ears with kit included;  Officially sealed upon inspection;  Warranty: 1 year on parts and services.</p>	pc	3	20,320.00	60,960.00				
13	Managed Switch	<p>Branded and Brand new - Jetstream 10- Port Gigabit Smart Switch with 8- Port PoE + 150W  HARDWARE FEATURES: Standards and Protocols IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p  interface 8× 10/100/1000 Mbps RJ45 Ports, all supporting PoE+ (Auto-Negotiation/Auto MDI/MDIX)</p> <ul style="list-style-type: none"> <li>• 2× 100/1000 Mbps SFP Slots</li> <li>• Network Media</li> <li>• 10BASE-T: UTP/STP category 3, 4, 5 cable (maximum 100m)</li> <li>• 100BASE-TX/1000Base-T: UTP/STP category 5, 5e or above cable (maximum 100m)</li> <li>• 100BASE-FX: MMF, SMF 100BASE-X: MMF, SMF</li> <li>• Fan Quantity 1</li> <li>• Physical Security Lock Yes</li> <li>• PoE+ Ports(RJ45)</li> <li>• Standard: 802.3at/af compliant</li> <li>• PoE+ Ports: 8 Ports</li> <li>• Power Supply: 150 W</li> <li>• Dimensions ( W x D x H ) 11.6 x 7.1 x 1.7 in (294 x 180 x 44 mm)</li> <li>• Mounting Rackmount/Desktop</li> <li>• Max Power</li> </ul>	pc	2	14,300.00	28,600.00				

		<p><b>Consumption</b></p> <ul style="list-style-type: none"> <li>• 12.2 W (110 V / 60 Hz with no PD connected)</li> <li>• 173.9 W (110 V / 60 Hz with 150 W PD connected)Max Heat Dissipation</li> <li>• 41.63 BTU/h (with no PD connected)</li> <li>• 539.35 BTU/h (with 150 W PD connected)</li> </ul> <p><b>PERFORMANCE</b>Switching Capacity 20 Gbps Packet Forwarding Rate 14.9 Mpps MAC Address Table 8K Packet Buffer Memory 4.1 MbitJumbo Frame 9 BMANAGEMENT Omada Centralized Management or Omada Software Controller compatible <b>Management Features</b> Web-based GUI Must be compatible with the existing Network management System of UPLB Rackmounting ears with kit included; Officially sealed upon inspection;</p>							
14	650VA, 230V, AVR, Universal Sockets,	<p>Branded and brand ne, 650VA, 230V, AVR, Universal SocketsOutput: Output power capacity 325 Watts/ 650V Amax ConfigurablePower (Watts) 325 Watts / 650V A Nominal Output Voltage 230V Output Frequency (sync to mains) 50/60 Hz +/-1 HzTopologyLine Interactive Waveform type Stepped approximation to a sinewaveOutput Connections (2) Universal Receptacle (Battery Backup) Transfer Time 4ms typical: 6ms maximumBatteries and Runtime: Batter type: same brand maintenance-free sealed Lead-Acid battery with suspended electrolyte: leakproof included Battery modules 1 Typical Recharge time: 4hour(s); Expected Battery Life (years) 2-4Communications and Management: Control Panel LED Status display with On Line: On Battery Audible Alarm: Alarm when on battery: distinctive low battery alarm: overload continuousEnvironmental: Operating Environment 0-40°C Operating Relative Humidity 0-95% Operating Elevation 0-1968.3 meters; Storage Temperatures: 20-50°C; Storage Relative Humidity 0-95%; Storage Elevation: 0-14763.6 meters; Audible Noise at 1 meter from surface of unit 40.0dBa Warranty: 2 years on repair or replace</p>	pc	2	3,000.00	6,000.00			
15	Liquid Nails	Branded and Brand New Liquid Nails, Heavy Duty Stronger Bond 320GM with caulking gun	set	25	750.00	18,750.00			
16	PVC White	Brand New PVC White, Plastic Mouldings (1x8ft)	pc	250	200.00	50,000.00			
17	PVC White	Brand New PVC White, Plastic Mouldings (2x8ft)	pc	20	300.00	6,000.00			
18	Labelling Tape	Brand New Labelling Tape	set	1	2,500.00	2,500.00			



19	Duplex Universal	Branded and Brand New Duplex Universal Outlet, with Faceplate (2 Gang)	pc	2	350.00	700.00				
20	Electrical Wire	Brand New Electrical Wire, #12 AWG 7 strands 3.5sqmm	meter	30	50.00	1,500.00				
21	Pull box	Brand New Pull box, 4'8 inches	pc	17	500.00	8,500.00				
22	Tox with Screw	Brand New Tox with Screw #1 (15 pcs)	pck	25	150.00	3,750.00				
23	Connector Plug Boots	Branded and Brand New Connector Plug Boots, For Cat6 And Cat5e RJ45 Rubber Boots	pc	240	5.00	1,200.00				
24	Utility Box White	Brand New Utility Box, White 4" x 4"	pc	120	57.50	6,900.00				
25	PVC Pipe	Brand New PVC Pipe, Orange (1x8ft)	pc	110	250.00	27,500.00				
26	PVC Clamp	Brand New PVC Clamp, 1"	pc	330	10.00	3,300.00				
27	PVC Cement	Brand New PVC Cement, 400cc	pc	2	400.00	800.00				
28	Aluminum Blind Rivets	Branded and Brand New Aluminum blind rivets, (1/8" by 1/2) 1000 pcs	box	1	2,300.00	2,300.00				
29	Nylon Cable Tie	Brand New Nylon Cable Tie, • 8 x 400mm • Around 16 inch or 40cm long • 100 pcs per pack • Colour : Black	pck	25	500.00	12,500.00				
30	Fluke Test	Brand New 120 Nodes	lot	1	24,000.00	24,000.00				
31	MANPOWER AND LABOR	MANPOWER AND LABOR 1. Installation of roughing ins, Cable pulling, termination of all nodes, commissioning and testing, submission of as built plans 2. Testing Connectivity and Install AP's with proper labelling and Documentation (cable location or as built map, node fluke test results, cable mapping with label, network diagram and actual Wifi heat map results). 3. Cabling works and laying out cable duct, pvc mouldings, outdoor UTP cable with proper piping technique, outdoor RJ45 i/o box, brackets and other ancillaries needed for the installation, configuration, testing and commissioning 4. Restoration and repair of damaged ceiling or wall partitions (also on removing old cables and network equipments), building parts/finishes during the cours of installation. 5. Removal of old cables and equipment upon activation of new network management by the ITC.	lot	1	240,260.30	240,260.30				

**Note:**  
**FOR LOT AWARD**  
 Site inspection required;  
 Site Inspection Schedule: **SEPTEMBER 11 TO 15, 2023**  
 Initial inspection required on the winning bidder before the installation;  
 Delivery Period: 30 days upon receipt of notice  
 Rehabilitation is limited only on the Network cabling and internet;  
 All items must be Sealed upon delivery and inspections.

TOTAL ABC 950,718.30

TOTAL QUOTED AMOUNT IN WORDS:

Reviewed and Checked By:

*[Signature]*  
 Mark Efraim Gironella

*[Signature]*  
 Donny Rey Camus  
 BAC TWG

*[Signature]*  
 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.

*[Signature]*  
 MARILYN S. COMBALICER  
 BUYER/ END-USER

**TERMS AND CONDITIONS:**

- Price quotation/s shall be valid for a period of at least (30) calendar days from the date of submission.
- 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.
- Delivery period within 30 calendar days
- Award of contract shall be made to the lowest quotation with complies with the technical specifications, and other terms and condition stated herein
- UPLB reserves the right to reject any or all offers as may be considered, most advantageous to the University
- Any interlineations, erasure, or overwriting shall be valid only if they are signed or initiated by you or any of your duly authorized representative/s

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

REQUIREMENTS	Shopping (Section 52)	Negotiated Procurement	Negotiated Procurement - Lease	Negotiated Procurement - Scientific, Scholarly, or	Negotiated Procurement
1 Mayor's/Business Permit	/	/	/	/	/
2 PHIGEPS 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 50k
6 Omnibus Sworn Statement		FOR ABC'S ABOVE 50k			FOR ABC'S ABOVE 500k
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: \_\_\_\_\_

Signature over Printed \_\_\_\_\_

Position: \_\_\_\_\_

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

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

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

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