



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

Request for Quotation/ Bid Form (Technical Specifications)
OVCRE Annex

UPLB BAC SECRETARIAT
BY: fan DATE: 4/24/2024
APR 29 2024
UPLB-RQ- 4-039-04-1-10am
DEADLINE OF SUBMISSION

UPLB-RQ-

DEADLINE OF SUBMISSION:

Suppliers Name: _____

Date April 12, 2024
Fund Code: 8276300
MOP: COMPETITIVE BIDDING
Contact No: 536-5328
Contact Person SHERMIN D. TAPAY

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

- Note:
- 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.
 - Price quotation/s to be denominated in Philippine Peso shall include all taxes, duties, and/ or levies payable.
 - 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.
 - Quotation through fax/email is acceptable. Winning bidder shall submit original signed RQ before issuance of Purchase order (P.O.).
 - Quotations exceeding the Approved Budget for Contract shall be rejected.
 - Documentary requirements per Memorandum No. 03 Series of 2017 shall be attached upon submission of the quotation
 - 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>
1	Lot	Supply, Delivery and Installation of Network Rehabilitation for OVCRE UPLB								
	A	HORIZONTAL DATA CABLING								
1	Patch Cord	Branded and Brand new, Cat6 Patch Cord, Machine crimped, 3m, Blue T568B	un	68	550.00	37,400.00				
2	Information Outlet	Branded and Brand new, Cat6 UTP 90° Keystone Jack 110 Punch Down White	un	68	390.00	26,520.00				
3	Faceplate	Branded and Brand new, American Style Faceplate 70*144mm 2 Port	un	34	290.00	9,860.00				
4	Connector Boots	Branded and Brand new, Cat6 RJ45 Rubber Boots	un	148	20.00	2,960.00				
	B	RACKS AND ACCESSORIES								
5	UTP Cable	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 Data Category: Category 5e ANSI compliance: S-90-661-2012 Category 5e, ANSI/NEMA WC-63.1 Category 5e Telecommunications Standards: ANSI/TIA-568-C.2 1000ft/box Must be the same brand on the existing cable and network management system of UPLB (pref. Belden) and subject for inspection upon delivery.	box	9	12,445.00	112,005.00				
6	UTP Cable	Branded and Brand New UTP Cat 6 Horizontal, 4pr, F/UTP, PVC Jkt, CMR Networking Horizontal Cable, 1000Base-T (Gigabit Ethernet), 100 Base-T (Fast Ethernet), 10Base-T (Ethernet), 100 Base VG, ANYLAN, 155ATM, 622ATM, ANSI.X3.263 FDDI TP-PMD, NISC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, Noisy Environments, 250MHz Category 6CONDUCTOR: AWG: 23, Stranding: Solid, Material: Bare Copper, No. of pairs: 4 COLOR CHART: White/Blue Stripe & Blue, White Orange Stripe, & Orange, White/Green stripe & Green, White/Brown stripe & Brown CONDUCTOR DCR: Max. Conductor DCR-93.8 Ohm/km, Max DCR Unbalance-3% VOLTAGE: UL Voltage Rating-300 V RMS STANDARDS: NEC/(UL) Specification: CMR	box	1	14,038.75	14,038.75				

		CEC/C (UL) Specification: CMR ISO/IC Compliance: 11801 ed 2.2 (2011) Class E CPR Euro class: Eca Data Category: Category 6 ANSI Compliance: S-116-732-2013 Category 6, ANSI/NEMA WC-66 Category 6 Telecommunications Standards: ANSI/TIA-568-C.2 Must be of the same brand on the existing cable and network management system of UPLB (pref. Belden) and subject for inspection upon delivery.							
7	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	2	1,000.00	2,000.00			
8	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 • 4 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 Rackmountable; Rackmounting ear & kit included Compatible with the existing Aruba Network Management System of UPLB Warranty: 1 year on repair or replace	un	2	32,000.00	64,000.00			
9	UPS	Branded and brand ne, 650VA, 230V, AVR, Universal Sockets Output: Output power capacity 325 Watts/ 650V Amax Configurable Power (Watts) 325 Watts / 650V A Nominal Output Voltage 230V Output Frequency (sync to mains) 50/60 Hz +/- 1 Hz Topology Line Interactive Waveform type Stepped approximation to a sine wave Output Connections (2) Universal Receptacle (Battery Backup) Transfer Time 4ms typical: 6ms maximum Batteries 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) 2-4 Communications and Management: Control Panel LED Status display with On Line: On Battery Audible Alarm: Alarm when on battery; distinctive low battery alarm: overload continuous Environmental: 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	un	1	7,500.00	7,500.00			
	C.	FLUKE TEST							
10		Fluke test for 74 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	1	29,600.00	29,600.00			
	D.	NETWORK ACCESS POINT							

11	Access Point	<p>Branded and Brand WIFI6 2x2 compact PoE Access Point</p> <ul style="list-style-type: none"> • Mechanical; • Enclosure materials: Polycarbonate, aluminum ; • Mount materials: ABS, SGCC steel • Hardware; • Networking interface: (1) GbE RJ45 port ; • Management interface: Ethernet • Power method: PoE; • Supported voltage range: ; • 44-57V DC; • Max. power consumption: 9W • Max. TX power; • 2.4 GHz: 23dBm; • 5 GHz: 23dBm; • MIMO; • 2.4 GHz: 2x2 • 5 GHz: 2x2; • Throughput rate; • 2.4 GHz: 573.5 Mbps; • 5 GHz: 2402 Mbps • Antenna gain • 2.4 GHz: 3dBi • 5 GHz: 5.4 dBi • Button: Factory Reset • LEDs: White/blue • Software • WiFi standards : 802.11a/b/g • WiFi 4/WiFi 5/WiFi 6 • Wireless security : • WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3) • VLAN : 802.1Q <p>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>	un	5	12,000.00	60,000.00				
12	Access Point	<p>Branded and Brand- new Access Point Wifi6 xMbps Long-Range Enterprise AP</p> <ul style="list-style-type: none"> • 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 (Included) • 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+ <p>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>	un	1	21,500.00	21,500.00				
II.		PROJECT ENGINEERING AND GENERAL SERVICES								
E.		HARDWARE, MISCELLANEOUS AND ACCESSORIES								
13		<p>a. Utility Box White, Liquid Nails, Plastic Mouldings, Pipe Orange , PVC Clamp, PVC Cement.</p> <p>b. Electrical Wire , Pull Box, Metal C- Clamp, Connectors, Circuit Breaker, Electrical Tape, Punch Down Tool , Sealant White, Paint, Paint Brush, Velcro Tape.</p> <p>c. Duplex Universal outlet with Faceplate, Labelling Tape</p> <p>d. Metal Screws, Tox, Grip, Cable tie, & other accessories and consumables to finish the installation</p> <p>IMPORTANT NOTES:</p> <p>a. Main Power Supply to all proposed equipment to be provided by the client.</p>	lot	1	76,190.00	76,190.00				
F.		PROJECT ENGINEERING AND SUPERVISION, LABOR & INSTALLATION, LODGING, TOOLS, PROGRAMMING, TESTING, COMMISSIONING AND TECHNICAL TRAINING OF END-USERS								

14		<p>1. Installation, Fabrications, Roughing-Ins, Road/Concrete Chipping, Fusion Splicing, Pipe Laying, Cable Pulling, Termination of all nodes, Testing, and Commissioning.</p> <p>2. Access Point Installation, Set-up, Testing, and Commissioning</p> <p>3. Preparation and submittal of system design, drawings, diagrams, and other required technical documents.</p> <p>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.</p> <p>5. Restoration and repair of damaged ceiling or wall partitions, building parts/finishes during the course of installation.</p> <p>6. Removal and Clean-up old cables and equipment upon activation of new network active equipment by the ITC.</p> <p>7. Free Knowledge transfer and training for Wi-Fi Access Point and Network Switches.</p> <p>8. Excavation and Handhole Installation</p> <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>	lot	1	263,238.18	263,238.18				
		<p>Site inspection is required:</p> <p>1. Inspection should be done with the bidders, Authorized DIC personnel and end user in order to avail certificate.</p> <p>2. Site Inspection Certificate MUST be signed both by the end user and DIC personnel/representative.</p> <p>Site Inspection schedule _____</p> <p>3. Initial inspection required on the winning bidder before the installation;</p> <p>4. Project is limited only for Network Rehabilitation TOR.</p> <p>5. All items must be sealed upon delivery and initial inspection.</p>				726,811.93				

Reviewed and Checked By:

 Mark Efraim Gironella
  Engr. Jimmy Rey Camus
 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.

 SHERMIN D. TAPAY
 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 _____ calendar days.
- Award of contract shall be made to the lowest quotation which 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.