

INTER-UNIVERSITY COUNCIL FOR EAST AFRICA



Addendum No.01 to the Standard Bidding Document for Supply, and Delivery of ICT Equipment to improve ICT Services at Selected Universities in the EAC

Procurement Ref No: IUCEA/SUPP/2023-24/004

Procurement Method: Opening Bidding through EAC/and IUCEA Websites

Contract Number: 81277892

Project Processing Number: 19.2060.2.002.00

Date of issue: Thursday 29th February 2024

3. Specifications and Compliance Sheet

Procurement Reference Number: **IUCEA/SUPP/2023-24/004**

Column b states the minimum technical specifications of the item(s) required by IUCEA.

TECHNICAL SPECIFICATIONS FOR ICT EQUIPMENT TO IMPROVE ICT SERVICES AT SELECTED UNIVERSITIES IN THE EAC

1. TECHNICAL SPECIFICATIONS FOR ICT EQUIPMENT TO IMPROVE ICT SERVICES AT SELECTED UNIVERSITIES IN THE EAC

2.

Item No	Revised Technical Specification Required	Compliance Specification Offered	of	Technical Literature on Specification offered in Column C
a	b	c		d
1	Medium Business Server QTY =9			
1.1	<ul style="list-style-type: none"> • Rack mount Chassis with up to 8x2.5" Drives • CPU: Intel® Xeon 2.8GHz, 8Core, minimum1 CPU • RAM: 128 GB • Storage: Atleast 4TB • NIC: Dual Port 1Gb • Fans: Comes with standard fan x 5 • 2 Power Supplies • Warranty Period: At least 3 years and 1 year for parts only 			
2	Small Business Server QTY=3			
2.1	<ul style="list-style-type: none"> • Tower/Desktop Chasis • CPU: Intel® 2.4GHz, 4Core • RAM: 64 GB • Storage: Atleast 1TB usable with RAID protection • NIC: Dual Port 1Gb • Fans: active fan cooling is required • Warranty Period: At least 1 year and 3 year for parts only 			
3	Core Switch QTY=7			
3.1	<ul style="list-style-type: none"> • Layer 3 Switch: IPv4 routing, Layer 3 Interface, Classless Interdomain Routing (CIDR), DHCP Server, DHCP relay at Layer 3 			

	<ul style="list-style-type: none"> • Port Number: 48-port GE, Full PoE, 4x1G SFP • Switching capacity: Atleast 104.0 Gbps • Forwarding rate: Atleast 77.38 MPPS • MAC table :Atleast 16,000 addresses • Security: Supports SSH ver 1 and ver2, IEEE 802.1X (Authenticator role), IEEE 802.1X supplicant, Web-based authentication, STP Bridge Protocol Data Unit (BPDU) Guard, STP Root Guard, STP loopback guard, DHCP snooping, IP Source Guard (IPSG), Dynamic ARP Inspection (DAI), Private VLAN, Layer 2 isolation Private VLAN Edge (PVE), Port security, RADIUS/TACACS+, RADIUS accounting, Storm control, DoS prevention, Multiple user privilege levels in CLI, ACLs • Management: Web user interface, SNMP, CLI, TELNET, SSH • Warranty: Limited warranty with Next-Business-Day (NBD) advance replacement 		
4	WiFi Access Point QTY=45		
4.1	Authentication and security <ul style="list-style-type: none"> • Atleast Wi-Fi Protected Access 2 (WPA2); WPA3 in the near future • 802.1X, Remote Authentication Dial-In User Service (RADIUS); Authentication, Authorization, and Accounting (AAA) • Upto 16 SSIDs • 802.11r and 802.11i • Guest SSID which can also authenticate against: Google and Facebook 		
4.2	Maximum clients 200 per Wi-Fi radio, in total 400 clients per access point,		
4.3	802.11ac <ul style="list-style-type: none"> • 4x4 Downlink (DL) MU-MIMO with four spatial streams, up to 1733 Mbps • 802.11ac beamforming • 20, 40, 80 MHz channels 		

	<ul style="list-style-type: none"> • Dynamic Frequency Selection (DFS) 		
4.4.	Antenna type <ul style="list-style-type: none"> • 2.4 GHz, peak gain 4 dBi, internal/external antenna, omnidirectional • 5 GHz, peak gain 5 dBi, internal/external antenna, omnidirectional 		
4.5	Interfaces <ul style="list-style-type: none"> • 2 x Gigabit (10/100/1000BASE-T autosensing), Power over Ethernet (PoE) • RJ-45 console port (not functional) 		
4.6	Powering options <ul style="list-style-type: none"> • 802.3af/at Ethernet switch • Power over Ethernet injector 		
4.7	Power Draw Max of 13.2W		
4.8	System memory <ul style="list-style-type: none"> • 1GB MB DRAM, • 256 MB flash 		
4.9	Warranty Limited lifetime hardware warranty		
5	UPS QTY=3		
	<ul style="list-style-type: none"> • Capacity VA/Watts: 1000 / 600 • Voltage: 220/230/240Vac • Voltage range: 140~300Vac • Frequency Range 50/60Hz (auto sensing) • AC Voltage Regulation(Batt. Mode): ±10% • Frequency Range (Batt. Mode): 50/60Hz ±1 Hz • Transfer Time Typical: 4-8ms, 13ms Max. • Waveform (Batt. Mode): Simulated Sinewave 		

	<ul style="list-style-type: none"> • Warranty: 3 years and the battery is 2 years. 		
6	<ul style="list-style-type: none"> • Shielded Cat6 Ethernet Cable, Solid 23 AWG Copper, POE Compliant, White, Spool, 1000 feet. (QTY =2) • Cat6 RJ45 Crimp Plugs, Solid/Stranded, 100 pcs QTY = 100 pcs 		
7	<p>Manufacturer</p> <ul style="list-style-type: none"> • The provider must be an accredited vendor authorized to provide the required service. Manufacturer authorization or reseller rights authorization MUST be provided as proof 		
8	<p>Compliances</p> <ul style="list-style-type: none"> • The provider must have IT Service Delivery Assurance ISO 20001(Attach Valid Proof) • The provider must have Quality management systems ISO 9001:2015 • The provider must have NITA-U Level 2 Certificate 		

Please take note of the following clarification on the specification,

1. Business Server: Should the machine come with 1 CPU
2. Business Server: Should the machine have 2 Power Supplies
3. Small Business Server: 1 TB usable with RAID protection
4. Small Business Server: a CPU speed of 2.4GHz active fan cooling is required.
5. Small Business Server: 3 years warranty
6. No Operating System required

Specification and Compliance Sheet Authorised By:

Signature: _____ Name: _____

Position: _____ Date: _____

(DD/MM/YY)

Authorised for and on behalf of: