MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY
University of Choice

ADDENDUM NO. 1 OF 3RD MARCH, 2021

Masinde Muliro University of Science and Technology wishes to notify bidders participating in the tenders listed below of the **highlighted** changes

Table 1:

NO.	Tender Number	Tender Description	Clarification	Addendum
A.	MMUST/008/SEC/2020-2021	Supply, Delivery, Installation, Maintenance & Servicing of Fire Fighting Equipment	**Page 23** Total No. of firefighting equipment per branch	**As Tabulated in Table 2**
B.	MMUST/008/SEC/2020-2021	Supply, Delivery, Installation, Maintenance & Servicing of Fire Fighting Equipment	**Page13** **2.38:-** Scope of works	**Budalangi and Mumias campuses are excluded in the scope of works and Butula is Included**
C.	MMUST/008/SEC/2020-2021	Supply, Delivery, Installation, Maintenance & Servicing of Fire Fighting Equipment	**Page 26** **B. Spares & Refills** Clarification on whether to quote item No. 35 & 37 as a service	**Item No 35 & 37 to be quoted as a service.**
D.	MMUST/009/ICT/2020 - 2021	Proposed Structured Networking Works	**Bills of Quantities for Server Room**	**As Tabulated on Table 3**

TABLE 2:

NO.	TYPE OF EQUIPMENT	NUMBER OF EQUIPMENT PER CAMPUS				
		Main Campus	Nairobi Campus	Webuye Campus	Bungoma Campus,	Butula Campus
1	Water CO_2	250	6	7	7	2
2.	Foam	4	-	-	-	-
3.	B.CF4.5kg and under	160	6	3	3	2
4.	CO_2 gas4.5kg and under	150	6	6	6	2
5.	Dry powder 12kg and under	92				
8.	Hobby Pumps	-	-	-	-	-
9.	Hose Reels	92				
10.	Fire Blankets	27				
11	Fire Bells	20				
12	Fire Alarm Horns	15				

TABLE 3: BILL OF QUANTITIES FOR SERVER ROOM

	Item	Description	Quantity	Unit		
1.	Server Cabinet & Accessories	42U cabinet with In-cabinet fans	2	Pieces		
		Dimensions 600mmx1070mmx2000mm	0			
		At least 5-port Horizontal In-cabinet power points (PDUs)	2	Pieces		
		Network Cable managers	6	Pieces		
		48-port CAT 6 patch panel	2	Pieces		
		48 - port Optical distribution frame, rack mountable with fully populated SC-SC adapters and connectors	0	Pieces		
2.	SFPs	Single mode SFP transceiver modules for Gigabit Ethernet	2	Pieces		
3.	Fiber Patch cords	3m SC-LC single mode fiber patch duplex cords	20	Pieces		
4.	Structured cabling	Siemon CAT6 Ethernet Cable	1	Boxes		
		Metallic Trunking 150mmx25mm Dual compartment with knockout plates	0	Meters		
		Dual Data points complete with pattrese face plate and RJ45 modules	10	Pieces		
5.	Cable Tray	150 x 50mm Heavy Gauge cable tray ceiling mounted complete with ceiling supports and fixing accessories. The tray to have oval 200m long cutouts edged with rubber for cable drops to prevent cable abrasion	20	Meters		
6.	Cagenuts		500	Pieces		

	Item	Description	Quantity	Unit		
7.	Asterisk PBX Hardware	Intel Core i7/ i7 Extreme Edition, and Intel Xeon 5600/5500/3600/3500 series (QPI up to 6.4 GT/s)	1	Pieces		
		2x4GB DIMM System Memory				
		2x1TB 3.5" SATA HDD				
		280W Power Supply (100-240V, 50-60Hz, 5Amp)				
		2x 1Gbps RJ45 LAN ports				
		At least 950 users				
		4 E1/T1 ports				
		4 internally supported telephony modules				
		144 (4x E1 PRI/R2/CAS + 24 analog ports) internally supported telephony ports				
		2 x 10/100/1000 Mb/s Ethernet ports				
		Power supply - 220 Volts, 50/60 Hz				
		Should be rack-mountable				
8.	GSM VOIP Gateway	8 Ports 8 Sim cards GSM VOIP Gateway	1	Pieces		
		8 GSM channels				
		1 hot-plug SIM card per GSM channel				
		Quad-band 800/900/1800/1900MHz				
		4 x RJ45 ports, 10/100/1000Mbps, support router and bridge mode				
		Protocols supported include SIP RFC3261, TCP/UDP/IP, RTP/RTCP, HTTP, ARP/RARP, ICMP, DNS,				

	Item	Description	Quantity	Unit		
		DHCP, NTP, TELNET, PPPoE, STUN				
		Caller number hide or display				
		SMS batch receiving/sending, AT command compatible				
		White & Black list support				
		Echo cancellation for Speakerphone, Comfort noise generation (CNG), Voice activity detection (VAD), Adaptive Jitter Buffer, Packet loss concealment (PLC)				
		Adjustable TX/RX gain				
		PIN support for locked SIM cards				
		Support for external antenna				
		HTTP Web configuration support				
		Should be rack-mountable				