

MINUTES OF PRE BID MEETING

Tender for Supply, Delivery, Installation, Demonstration & Commissioning of Office Equipment for Faculty of Management

Tender No : UWU/AHEAD/ELTAELSE/FOM/NCB/GOODS/OE/01

Date & Time : 29th October 2020 & 11.00 a.m.

Venue : G-Block

The Following decisions were made at the Pre Bid Meeting

At the Pre Bids Meeting following clarification were made against the bidders' questions.

- a. Changes in specifications – Specifications of following items were changed at the Pre Bid Meeting (Refer annexure for new specification).

Item No	Description	Reference Annexure
1	Central UPS	Refer Annexure 01
2	Fully Equipped Desktop Computers	
3	Server Computer	
4	LED Side Screen	
5	Projector Screen	
6	Smart Board (86")	
7	Headsets	
8	Digital Podium	
9	Books Scanners	
10	LCD Television	
11	Portable Smart Board	
12	Digital Poster Kiosk	

Chairman
Procurement Committee
Uva Wellassa University

Annexure 01

Technical Specifications

Item # and Name	Component Description	Minimum Specifications	Bidder's Response (Yes/No)	If "No" comment/s on the offer	
1. Central UPS	Capacity	Suitable for 65 computers and back up minimum 20minutes.			
	Technology	Double Converter (Online)			
	Type	Rack Mountable UPS			
	Transfer Time	Zero Conversion			
	LCD control Panel	Required			
	Battery	Type	Sealed Lead Acid Maintenance Free		
		Battery life	Should be stated by the bidder		
		Backup	20Minutes (or Higher)		
		Battery Alarms	Audible and LED		
	Features	General Protection	Over current		
			Short-circuit		
			Over voltage		
			Under voltage		
		Battery Pack details	<i>Should be stated by the bidder</i>		
		Rack Mountable capability	Yes		

	UPS Installation	Required		
	Warranty	3 Year or more with Batteries		
	Manufacture Authorization Letter	Required		
	Installation	Installation should be carried out by the bidders without an additional charge. A pre-bid meeting will be called and bidders must visit the site before the bid opening date.		
2. Desktop Computers				
	Mark	Should be specified by the bidder		
	Model	Should be specified by the bidder		
	Processor	10 th Gen Intel Core i5-10400		
	Number of cores	6		
	Processor base frequency	2.9 GHz		
	Max Turbo frequency	4.3 GHz		
	Cache	12 MB		
	RAM	16 GB DDR4		
	Processor Graphics	Intel® UHD Graphics 630		
	Graphics memory	Shared 4GB		
	Screen Size	24 inches		
	Max Screen Resolution	1920x1080 pixels		

	Hard Drive	1 TB SATA 240GB SSD		
	Wireless Type	802.11.b, 802.11.g, 802.11. n Should support 300 mbps or above Dongle not accepted		
	LAN Connector	RJ45 1000GBs support		
	USB 2.0 Ports	2		
	USB 3.0 ports	2		
	Keyboard	Standard USB keyboard		
	Mouse	Optical mouse with mouse pad		
	Operating System	Windows 10 pro Factory installed with recovery partition		
	Warranty	3 years comprehensive warranty		
	Manufacture Authorization Letter	Required		
3. Server Computer	Make	<i>Should be stated by the bidder</i>		
	Model	<i>Should be stated by the bidder</i>		
	Country of Origin	<i>Should be stated by the bidder</i>		
	Form Factor	2U (or smaller) rack mountable All rails and mounting equipment must be provided and installation required		

	Microprocessor	Type – Intel Xeon E5 or E7 Family (or better) Frequency – 2.0 GHz (or faster) Cache – 16 MB (or more) Cores/Threads – 8/16 (or more) Instruction Set – 64-bit		
	RAID	Hardware RAID 1,2,5,10 should support for latest CENTOS, Ubuntu, Debian, Windows environments		
	Hypervisor and Virtualization Support	Required		
	Motherboard	Single processor upgradable to two Processor support – Intel Xeon E5 or E7 Chipset – Intel 5520, C600, or 7500 series (or better)		
	Memory	Capacity – 64GB upgradable up to 128GB (or more) Speed – 1,600 MHz (or faster) DDR3 with ECC		
	Video	On-board VGA Memory – 256 MB (or more)		
	Hard Disk	4× 1 TB (or more) 7,200 rpm SATA (or faster) Hardware RAID 0, 1, 5 (or better)		

		Hot pluggable		
	Interfaces	PCIe Gen3 ×16, ×8, ×4 slot(s) – 1 (or more) USB 2.0 – 2 (or more) USB 3.0 – 1 (or more)		
	LAN	4 (or more) Integrated RJ45 10/100/1000 (IEEE 802.3) Gigabit Ethernet adapters		
	Power	230 V nominal input, 50Hz, 350 W (or higher) Redundant Power supplies – 2, Hot pluggable Energy Star compliant		
	Keyboard	Standard 107 Windows keyboard with PS/2 or USB interface		
	Mouse	Optical mouse with scroll wheel, PS/2 or USB interface Mouse pad		
	Remote Management	Remote Management support, IPMI 2.0 compliant		
	Manuals/Drivers/CDs	Should provide complete list of User Manuals, driver CDs (Windows 2008/2012 R2/Server, Ubuntu 12/14, Fedora 18/20, CentOS) and management software		

	Warranty	Three (3) year comprehensive (or more). onsite Manufacture Authorized Warranty.		
	Manufacturer Authorization Letter	Required		
	On-site support	24*7 required		
4. LED Side Screen				
	Panel Technology	UV ² A		
	Aspect Ratio	16:9		
	Pixel Pitch	0.92 mm		
	Brightness (typical)	320 cd/m ²		
	Contrast Ratio (typical)	5000:1		
	Refresh Rate	60Hz		
	Orientation	Landscape/Portrait		
	Viewable Image Size	80 "		
	Native Resolution	1920x1080		
	Backlight Type	LED Edge-lit		
	Brightness (maximum)	460 cd/m ²		
	Viewing Angle (typical)	178° Vert., 178° Hor.		
	Active Screen Area	69.7 x 39.2 in. / 1771.2 x 996.3mm		
	Displayable Colors	More than 1 billion		
	Installation	Should be done by the bidder without additional cost		

	Warranty	2 years or above		
5. Projector Screen				
5. Projector Screen	Product	Projector Screen		
	Mount	Electric Wall mount with remote - Installation should be done by the bidder without additional cost		
	Size	120X120 inch		
	Fabrics	Matte White		
	Remote controller	Yes		
6. Smart Board (86")				
6. Smart Board (86")	Brand	Please specify		
	Model	Please specify		
	Country of Origin	Please specify		
	Country of Manufacture/Assembly	Please specify		
	Year of Manufacture	Please specify		
	Display specification			
	Diagonal display size	86" LED backlight		
	Active area (mm)	1895.04(H) x 1065.96(V) mm		
	Resolution	3840*2160 or above		
	Pixel Pitch	0.429 mm x 0.429 mm		
	Back Light	Direct type LED		

	Aspect Ratio	16:9		
	Contrast Ratio	1600:1		
	Colors	1.07 billion colors		
	Brightness	350cd/m2		
	Viewing angle	178°		
	Screen surface	4mm Mohs7 tempered glass		
	Touch system			
	Technology	IR		
	HID support	Yes		
	Touch supported	10 points touch		
	Writing tools	Pen or finger		
	Response Time	10ms or less		
	Cursor speed	125points/s or above		
	Precision	1mm		
	Connectivity			
	Front Side	HDMI, USB, USB for touch		
	Rear side	RS232 1-line, MIC IN , SD IN , USB 3.0 , HDMI IN 2-line, AV IN, AV OUT - line, EARPHONE line, VGA IN , AUDIO IN 1, VGA OUT , RJ45 LAN IN,		

		RJ45 OUT		
	Outputs (Speakers)	Please specify		
	Rotatable fully HD Camera	Required		
	Operating system			
	Android Version	5.0.1 With Google Play store		
	CPU	Qual Core or above		
	GPU	Mstar 828		
	RAM	2G DDR3 or above		
	ROM	16GB or above		
	Integrated Windows standard Open pluggable specification PC			
	Windows OPS PC Slot	Yes		
	CPU	Core I5 Processor with Processor speed 3.0GHz Base Frequency or above		
	Chipset	Intel		
	Memory capacity	8GB or above		
	Storage capacity	120 SSD or above		
	OPS Operating System	64-bit Windows 10 pro Genuine license		
	Electrical			
	Input Voltage	Please specify		
	Software			

	Antivirus Software	Latest Version of Commercial Antivirus Software with 3 years subscription		
	Productivity Software	Microsoft office 2019 Professional Edition		
	White Board Software	This software should be natively support collaboration with student devices through the setting up of a classroom.		
	Accessory	Capacitive styles Pen - 2pcs or more USB (touch cable) 5m - 1pcs or more HDMI cable 10m - 1pcs or above Remote Control- 1pcs Power Cable ,Wall mounting Bracket		
	Installation	Installation in the designated classrooms should be done without any additional cost with wall mounting and power wiring		
	Training	Training need to be provided for technical staff about whiteboard Software and related software's.		
	Warranty	3 Years comprehensive onsite warranty		
	Maintains plan with relevant cost after the warrantee period	Please specify		
	References	List of Universities and Educational Institutes with contact details where the Smart board have been deployed		
	Manufacture Authorization Letter	Required		

7. Headsets	HEADSET	Driver Unit: 40 mm Neodymium Magnets, special sound film laser trimming.		
		Frequency Response: 20-20000 Hz		
		Sensitivity: 100 dB		
		Impedance: 32 ohm		
	MIC.	Frequency Response: 50-16,000 Hz		
		Sensitivity: -58 dB		
	CABLE	Length: 2.2 m		
		Anti-winding Cord		
		1 x 3.5mm stereo plugs (2 in 1)		
8. Digital Podium	Touch Monitor:	27 inches		
	Touch Screen:	10 point touch IPS technology		
	Height adjustment with electrical motor	yes		
	Embedded PC	Intel i3 4GB or more , 120 GB SSD Win 10 Embedded iot OS		
	Power distributor:	AC Outputs:110V-240V AC, 50Hz/60Hz		
	Connectors	HDMI, VGA, Audio, RJ 45, USB		

	Warranty	3 years		
9. Books Scanners				
	Scanner Type	Overhead, Simplex		
	Scanning Modes	Color, Grayscale, Monochrome, Automatic (Color / Grayscale / Monochrome detection)		
	Image Sensor	Lens reduction optics / Color CCD x 1		
	Light Source	(White LED + Lens illumination) x 2		
	Optical Resolution	285 to 218 dpi (Horizontal scanning) 283 to 152 dpi (Vertical scanning)(1) or more		
	Scanning Speed (A3 landscape)(2)	Auto Mode(3)	3 seconds / page or more	
		Normal Mode	3 seconds / page (Color / Grayscale: 150 dpi, Monochrome: 300 dpi) or more	
		Better Mode	3 seconds / page (Color / Grayscale: 200 dpi, Monochrome: 400 dpi) or more	
		Best Mode	3 seconds / page (Color / Grayscale: 300 dpi, Monochrome: 600 dpi) or more	
		Excellent Mode	3 seconds / page (Color / Grayscale: 600 dpi, Monochrome: 1,200 dpi) or more	
	Document Size	Minimum: 25.4 x 25.4mm		
	Interface	USB 2.0 / USB 1.1 (Connector Type: Type-B)		

	Image Processing Function	Deskew by text on document, Auto paper size detection, Auto image rotation, Auto color detection, Book image correction(7), Multiple document detection		
	Warranty	1 Year or more		
10. LED Television				
	Video	32" HD LED TV, HD Ready with Full HD Input Support, 5000:1 Contrast Ratio, 200cd/m2 High Brightness Level, Clear Motion Rate 200Hz		
	Terminal	2 x HDMI Ports, 2 x USB with Movie, JPEG and MP3 Support, 2 x AV Input, PC Input , Analogue Tuner		
	Power	100 - 240V		
	Warranty	1 year or above		
11. Portable Smart Board				
	Brand	Please specify		
	Model	Please specify		
	Country of Origin	Please specify		
	Country of Manufacture/Assembly	Please specify		
	Year of Manufacture	Please specify		
	Display specification			

Diagonal display size	65" LED backlight		
Active area (mm)	1895.04(H) x 1065.96(V) mm		
Resolution	3840*2160 or above		
Pixel Pitch	0.429 mm x 0.429 mm		
Back Light	Direct type LED		
Aspect Ratio	16:9		
Contrast Ratio	1600:1		
Colors	1.07 billion colors		
Brightness	350cd/m2		
Viewing angle	178°		
Screen surface	4mm Mohs7 tempered glass		
Touch system			
Technology	IR		
HID support	Yes		
Touch supported	10 points touch		
Writing tools	Pen or finger		
Response Time	10ms or less		
Cursor speed	125points/s or above		
Precision	1mm		
Connectivity			

Front Side	HDMI, USB, USB for touch		
Rear side	RS232 1-line, MIC IN , SD IN , USB 3.0 , HDMI IN 2-line, AV IN, AV OUT - line, EARPHONE line, VGA IN , AUDIO IN 1, VGA OUT , RJ45 LAN IN, RJ45 OUT		
Outputs (Speakers)	Please specify		
Rotatable fully HD Camera	Required		
Operating system			
Android Version	5.0.1 With Google Play store		
CPU	Qual Core or above		
GPU	Mstar 828		
RAM	2G DDR3 or above		
ROM	16GB or above		
Integrated Windows standard Open pluggable specification PC			
Windows OPS PC Slot	Yes		
CPU	Core I5 Processor with Processor speed 3.0GHz Base Frequency or above		
Chipset	Intel		
Memory capacity	8GB or above		

	Storage capacity	120 SSD or above		
	OPS Operating System	64-bit Windows 10 pro Genuine license		
	Electrical			
	Input Voltage	Please specify		
	Software			
	Antivirus Software	Latest Version of Commercial Antivirus Software with 3 years subscription		
	Productivity Software	Microsoft office 2019 Professional Edition		
	White Board Software	This software should be natively support collaboration with student devices through the setting up of a classroom.		
	Accessory	Capacitive styles Pen - 2pcs or more USB (touch cable) 5m - 1pcs or more HDMI cable 10m - 1pcs or above Remote Control- 1pcs Power Cable ,Wall mounting Bracket		
	Installation	Install into a suitable frame so that the frame can be moved safely. Installation chargers should be included into the total cost.		
	Training	Training need to be provided for technical staff about whiteboard Software and related software's.		
	Warranty	3 Years comprehensive onsite warranty		
	Maintains plan with relevant cost after the warrantee period	Please specify		
	References	List of Universities and Educational Institutes with contact details where the		

		Smart board have been deployed		
12. Digital Poster Kiosk	General Features	49" HD LCD Floor Standing Multimedia Digital Signage		
		10 point Smart Touch Display		
		Supporting 24 hours working		
		Android OS		
		IPS Panel		
		Free scheduling software		
		high-performance CPU		
		Built-in 4G flash memory, and external SD flash memory for storage extension		
		Optional 802.11 b/g/n compliant WIFI module		
		RJ45 network port with gigabits support		
		Up to 1080P fully high-definition video playback		
		I/O ports: 1x VGA /1x HMDI /2x USB /1x SD /1x RJ45/1x Audio		
		Dust and water resistance		
	Resolution	1080 x 1920		
Response time	8ms			

	Luminance	360cd/m ² or more		
	Contrast ratio	1200:1		
	Viewing	178°		
		16:9		
	Aspect ratio	mkv, mov, mp4, avi, ts, mpg, mpeg, wmv, rm, rmvb, flv... and full HD decoding (1080P)		
	Media play format	mpeg-1, mpeg-2, mpeg-4(XVID), ms-mpeg4v1, ms-mpeg4v2, ms-mpeg4v3, SorensomH.263, H.263, H.264(AVC), WMV7/8, wmv9(VC-1), RV(8/9/10), Divx-3, Divx-4, Divx-5, On2 VP6...		
	Video coding format	JPEG, BMP, GIF, PNG		
	Audio coding	Mp3, ogg, m4a, wma, wav, flac, amr, aac...		
	Electric current	AC100-240V(50Hz-60Hz)		
	Manufacture Authorization letter	Required		
	Warrantee	1 year or above		