

مناقصة رقم 22/م/2023

توريد وتركيب وتشغيل أجهزة حاسوب وتلميذات لت وشاشات وتوايهم

السادة يرجى مواثباتنا بأسعار الموزن المبين مواصفاتها المرفقة، وتسليمه الى وحدة اللوازم/ دائرة المشتريات في موقع جامعة مؤتة/ الكرك-الجمبع الإداري بالطرف المحتوم مكتوب عليه اسم المناقصة ورقمها واسم المتعهد ورقم التعمون والتفاسد الخاص بالمتعهد على أن يلتزم المتعهد بما يلي:
توقيع رئيس اللجنة:

2023/9/5



- 1- آخر موعد لتسليم العروض يوم الثلاثاء تاريخ 2023/9/5، قبل الساعة الثانية عشر ظهراً.
- 2- فـن نسخة (50) خمسون دينار غير مستردة.
- 3- ارفاق رخصة مهن وشهادة تسجيل ساريفي المفعول بالعرض.
- 4- تقديم كفالة دخول للمناقصة بنسبة 3% من قيمة العرض المقدم.
- 5- تقديم العرض (نسخة أصلية، نسخة إلكترونية "Word أو Excel")
- 6- تقديم كفالة/ شيك مصدق كحسن تنفيذ بنسبة 10% من قيمة الإحالة في حالة تمت الإحالة.
- 7- تدفع الضوابط القانونية وأية رسوم تترتب على قرار الإحالة خلال 10 أيام من تاريخ التبليغ بالإحالة.
- 8- تقديم الأسعار شاملة الضريبة العامة على المبيعات والرسوم الجمركية.
- 9- تفرض غرامة تأخير كما يلي:
* 0.001 واحد بالآلف من قيمة اللوازم عن كل يوم تأخير لفترة من 1 يوم إلى 45 يوم.
* 0.002 اثنان بالآلف من قيمة اللوازم عن كل يوم تأخير لفترة من 46 يوم إلى 60 يوم.
* 0.003 ثلاثة بالآلف من قيمة اللوازم عن كل يوم تأخير لفترة من 60 فما فوق.
* على أن لا تتجاوز قيمة مجموع الغرامات نسبة الـ 15% من قيمة اللوازم في قرار الإحالة.
- 10- عرض الأسعار لتقديم من المناقص جزء لا يتجزأ من قرار الإحالة.
- 11- المواد المطلوبة قابلة لزيادة أو النقصان بنسبة 25%.
- 12- صلاحية العرض (90) يوم عمى الأقل.
- 13- للجامعة الحق بإلغاء المناقصة دون ذكر الأسباب.
- 14- تعتبر شروط نظام المشتريات الحكومية رقم 8 لعام 2022 وملحقاته والتعديلات الصادرة توجبه جزء لا يتجزأ من شروط المناقصة وتكون شروطه هي المرجحة إذا تعارض أي منها مع الشروط الواردة أعلاه (عسماً بأن شروط نظام المشتريات الحكومية رقم 8 لعام 2022 وتعليماته وملاحقه موجودة على موقع الجامعة (القطاعات).

التوقيع:

رقم الهاتف:

اسم المناقص:

التاريخ:

الخلوي:

الختم:

مناقصة رقم 22/ل م/2023

توريد وتركيب وتشغيل أجهزة حاسوب وتمديدات نت وشاشات وتوابعهم

1- POE Switches (Qty 2): -

- Each Switch shall provide 24 x100/1000 Mbps POE+ RJ45 Ports.
- Each Switch shall provide 2 Active SFP/SFP+ 1G/10G Ports.
- Layer 3 switch (Static Route & RIP) and support OSPF in the future (Prefer).
- Should be fully managed switch through web, CLI and SSH.
- Non-blocking architecture.
- Switch Capacity: 128 Gbps
- Forwarding Rate: 95 Mpps
- POE Power Budget: 370 Watt
- MAC Addresses: not less than 16000
- Switch Model should be classified as Enterprise Model at the Mother Company.
- Warranty & Support not less than 5 years.
- Brand: Should be classified as a “Leader” in Gartner Classification
- All required licenses for listed feature during warranty time must be included.

2- Indoor Access Points (Qty 2): -

- AP must be Aruba brand to be compatible with our Aruba controller (7210)
- All Licenses required to be access points work properly must be included
- AP must be Ideal for small and medium-sized networks.
- AP must transmit on both 2.4GHZ and 5GHZ.
- AP must support 802.11ac Wave 2 with 3x3 Multiple-Input Multiple-Output (MIMO) technology
- Ap must support wireless LAN controllers and the ability to act as a virtual controller.
- AP must comply IEEE 802.11ac standard with the following: -

- 3x3 MIMO with two spatial streams, single-user or multiuser MIMO
- Maximal Ratio Combining
- 802.11ac beamforming
- 20-, 40-, and 80-MHz channels
- data rates up to 867 Mbps (80 MHz in 5 GHz)
- Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)
- 802.11 Dynamic Frequency Selection (DFS)
- Cyclic Shift Diversity support
- AP must comply IEEE 802.11N standard with the following: -
- 3x3 MIMO with two spatial streams
- Maximal Ratio Combining
- 802.11ac beamforming
- 20- and 40-MHz channels
- data rates up to 300 Mbps (40 MHz in 5 GHz)
- Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)
- 802.11 Dynamic Frequency Selection (DFS)
- Cyclic Shift Diversity support
- AP must be equipped with an integrated Antenna with the following specifications to support transmitted frequency as: -
- 2.4 GHz, gain 3 dBi, internal omni, horizontal beamwidth 360°
- 5 GHz, gain 5 dBi, internal omni, horizontal beamwidth 360°
- AP must be equipped with the following interfaces: -
- 1 x 10/100/1000BASE-T autosensing (RJ-45), Power over Ethernet (PoE)
- RJ-45 port for management
- USB 2.0
- AP must be equipped with a Status LED indicator

- AP system memory must comply: -
- AP powering Options: -
- POE 802.3af/802.3at
- Support of load balancing between Access Points.
- Support for coverage Self-healing of failed AP's.
- Should support Wireless mesh deployments.
- Warranty & Support not less than 5 years.

3-Firewall (Qty 1): -

- Minimum 6 100/1000 Base-T ports
- Shall combine firewalling and routing function.
- Minimum Firewall Throughput : 5 Gbps
- Concurrent sessions: 1,000,000.
- IPsec VPN throughput 500 Mbps.
- Support link aggregation protocols (LACP/LAG)
- Static, BGP, and OSPF routing.
- AES/3DES VPN encryption.
- Route and policy based routing.
- Quality of Service: traffic classification, prioritization and queuing.
- Can be managed by SSH, and Web GUI
- Must include built-in DHCP service.
- Must include built-in DNS service.
- 3 years warranty and support

4- Desktop Computers (Qty 20):-

- Processor:- Intel Core i7 11th Generation
- Cashe :- Min 8 MB DDR4
- RAM :- MIN 8 GB DDR4
- Hard Disk:- at least 512GB SSD NVMe HDD
- Video Memory:- at least 2 GB
- Interfaces :- at least 2x USB 3.0 and 2x USB 2.0, at least HDMI or DP
- Communications:- Ethernet (RJ-45) 10/100/1000
- Expansion Slots:- Two empty Slots
- Keyboard:- USB Arabic/English (Same Brand)
- Mouse:- USB Optical Mouse (same brand)
- Monitor:- At least 20" Wide LCD Monitor

- Operating System :- Free DOS
- Warranty :- Min 3 years

5- Interactive Touch Screen 65” (Qty 1): -

- 4K DLED Min. 65 inches.
- DLED Type White Board, Codec, camera, microphone array, and speaker.
- Min. 2 pens (Stylus) included.
- Native conferencing.
- H.265 1080p hardware codec.
- Dual-stream resolutions for:
- Video conferencing (1080p 30 fps + 1080p 30 fps, 1080p 30 fps + 4K 8 fps)
- Data conferencing (1080p 30 fps, 4K 8 fps)
- Infrared Touch Technology, with minimum 20 touch points.
- Min. 30000 hours lifespan.
- Support wireless presentation sharing, using USB transmitter key connected to PC/Laptop "Click to Share", or direct wireless sharing from PC / PAD / Smart Phone.
- Support saving the whiteboard locally and continue to edit it when open it for the second time, saving it to external USB flash or send the whiteboard via email.
- Screen must support anti-reflection and glare, and 178° (H/V) viewing Angle.
- Auto Tracking 4K Camera, with 80° Ultra-wide angle.
- Camera must support anti-fog, dust-proof, and anti-flicker.
- At least 2x zoom camera.
- Min. 2 stereo speakers with Min. 6 built-in microphones.
- Microphones sound pickup must support minimum 8m distance and 180° angle.
- Screen must be equipped with Min. i5 OPS Module.
- OPS must have at least 8G DDR4 memory and Min. 128 internal Storage.
- OPS must support Windows 10 Operating System (license are NOT required).
- Must include both 10/100/1000 Ethernet RJ45 port and WiFi (2.4 GHz and 5 GHz).
- Min. 3 years warranty, including spare parts and replacement.

6-Smart Screen 65” (Qty 2): -

- Wall-Mount, with wall bracket and all required mount kit.
- Resolution ULTRA HD TV 3840 X 2160.
- Viewing Angle 178H / 178V.
- Smart TV –Licensed Linux.
- Quad Core.
- HDR 10.

- Any View Screen Mirroring.
- Dolby digital.
- Response time 8ms.
- DVB-T.
- Wi-Fi Bands 2.4GHz.
- HDMI Input x 3
- HDMI Input No. 1,2,3 –4K@60Hz with HDCP version 2.2
- HDMI Input 1,2,3 version 2.0
- HDMI ARC on HDMI 1.
- USB Port 2.0 x 2
- Digital Media Player FAT/FAT32/NTFS.
- USB Media Player MPEG4/H.264/H.265.
- AV Input x 1
- RF –Radio Frequency Input T1/T2 x 1.
- Earphone Jack x 1
- Digital Audio SPDIF Output x 1
- Ethernet Port RJ-45 x 1.
- Speaker Built-in.
- AC Power Cord Included.
- User Manual included.
- IR Remote Control Included.
- Min. 3 years warranty, including spare parts and replacement.

7- KVA UPS (Qty 1): -

- 2 KVA
- Battery (v/Ah)12v 7ah
- Backup time half load Min. 20 Minutes
- Input Voltage 220-240VAC
- Input Power Factor>98%
- Input Freq.: 50/60 Hz Support overload & short circuit protection.
- Output Freq. : 50/60 Hz (AutoDetect)
- Output Voltage: 220–240VAC
- Ethernet card with RJ45 Port
- Support SNMP Protocol compatible with 3rd party Management software.
- Rack type model, with rack mount kit.
- Installation and configuration must be included.
- Min.5 Years with vendor support
- All required licenses during warranty time must be include.

8- UPS Cabinet (Qty 1):-

- Size (WxD) must be suitable for UPS to fit in.
- Glassdoor.
- Removable steel side panels.
- Two Fans included.

9- Cabinet (Qty 1): -

- Welded frame, reliable structure.
- Reversible 5mm toughened glass front door with lock.
- Material: Steel.
- Fans: 2 Fans.
- PDU: 1 x 6-Way, 13A
- Removable side panels with side pins, side locks are optional for protection.
- Standing or wall mount installation.
- Cable entries on both of top cover and bottom panel
- 12U with dimensions of (600x600) mm

10- Indoor Camera / IP Camera (Qty 2):-

- Image sensor: progressive scan CMOS 1/2.8
- Lens: 3-11mm VF Lens
- , Compression: H.264,H.265
- Resolution:4Mega-pixel
- FPS:30@4MP
- Day and night: yes (IR cut filter)
- Minimum illumination: 0.1lux with IR 0 lux (IR on)
- IR range: Not less than 30meter,adaptive of smart IR
- Protocols: TCP,HTTP,DHCP,DNS,NTP,RTP
- Image processing :True Wide Dynamic Range Digital Noise Reduction region of interest
- Video Motion Detection: yes to any movement.
- Interface : 10/100 Ethernet

- Power: POE
- Weather proof :IP 66
- Operating temperature: 0C-50C
- Warranty:3 year

11- NVR (Network Video Recorder (Qty 1):-

- 4 Channel
- Recording Modes:- Continuous mode, record by schedule, event triggered or manual
- Video Compression H.264 baseline, main or high profile
- Yes Intelligent Search Time & date, motion
- Internal HDD 512GB internally
- HDMI Interface 1 x HDM
- VGA Interface 1 x VGA
- Network Interface 1 x 10/100/1000Mbps auto-sensing RJ45 port
- USB Interfaces 2 x USB 2.0 host ports
- Input 1 IR Remote Control; USB mouse and keyboard
- Network Protocols TCP/IP/UDP, RTP/RTCP/RTSP, HTTP/HTTPS, ARP, ICMP, DNS/DDNS, DHCP (client and server), NTP (client and server), SSH, PPPoE, LLDP (pending), 802.1X, ONVIF 2.2
- Security HTTPS, 802.1x (pending), SSH
- Power: POE

12- DISPLAY Monitor SPECIFICATION 32” (Qty 1):-

- LED backlit technology with full HD 1920×1080
- Wide view angle
- Multiply inputs: HDMI, VGA

13- Data show specifications (Qty 1):-

- Display System: DLP
- Native Chip Resolution: At Least 1024 x 768 (XGA)
- Supported Resolutions: WUXGA - 1920 x 1200
- Brightness: At Least 3600 Lumens
- Aspect Ratio: Native: 4:3
- Color Depth: 10-Bit (1.07 Billion Colors)
- Throw Distance: 3.9 - 43' / 1.189 - 13.106 m
- Inputs/Outputs: 1 x HDMI Audio, Video Input
2 x DE-15/DB-15 (VGA) Video Input
1 x DE-15/DB-15 (VGA) Video Output

1 x Mini-USB Data Input

- Dimensions (W x H x D): 11.6 x 4.3 x 8.6" / 294.0 x 110.0 x 218.0 mm
- Light Source Life, Normal (hours): At Least 4000H
- Warranty: At Least 1-year limited

14- Cat6 U/UTP cable (2 Box): -

- Cable Shall be Category 6 U/UTP cable.
- Comply with ISO 11801 or EIA/TIA 568-B.2.
- Frequency [MHz]: 250 MHz or above.
- Flame Retardant Sheath (FR)
- Cable Shall be LSZH.
- The cable must support 1G.
- 3rd party certificate.
- Brand: Europe or USA.

15- Category 6 U/UTP Patch Panel (Qty 2):-

- 24 Port Modular Patch Panel
- 1 rack unit height, 19" width.
- Equipped with 24 x Cat6 connectors.
- Brand: Europe or USA.

16- Patch cords guide panel (Qty 2):-

- 1 rack unit height.
- Metal.
- Box Type.
- Same brand of the cabinet

17- Cat 6 U/UTP Patch Cords 1/2m (Qty 30):-

- Cable Shall be Category 6 U/UTP cable.
- 1 meter length.
- Low-Smoke Zero Halogen.
- Flame Retardant Sheath (FR).
- Brand: Europe or USA.

18- Cat 6 U/UTP Patch Cords 3m (Qty 30):-

- Cable Shall be Category 6 U/UTP cable.
- 3 meter length.
- Low-Smoke Zero Halogen.

- Flame Retardant Sheath (FR).
- Brand: Europe or USA.

19- Double Data Outlet (Qty 15):-

- Shall include one Cat6 RJ-45 unshielded Jack.
- One faceplate with one holes for Module Jack.
- RJ45 Module Female.
- Category 6 connector shall comply with ISO 11801 or EIA/TIA 568-B.2.
- Back box 7cmx7cm inside wall.
- Brand: Europe or USA.
- External Box (7*7) (QTY 50).

Installation and Configuration: -

- All connectors termination.
- Cables organization and Labeling on both sides.
- Testing for all connections as following:
 - All connections must be test from end-to-end
 - Testing reports must be provided.
 - Testing results must comply with at least the minimum standards for tested components.
 - Compliance sheet should be provided with the technical proposal.

General terms & conditions:

- The proposal should include the following:
- BoQ, Prices and comply sheet must be provided, considering the following:
- Unit price must NOT include any tax, The tax must be added to the total of each item.
- Detailed BoQ for all Items must be part of the technical proposal.
- Detailed compliance sheet must be part of the technical proposal.
- Prices for training and installation should be separated and clear.
- All required licenses during warranty time must be included.
- A letter from vendor to guaranty that support service for each proposed product and all its components (Hardware, Software and Licenses) will be available for min. 5 years after warranty ends including all updates, upgrade, fixes and security patches.
- The bidder must be:
- Authorized certified partner by vendors for all components included in the project.

- Must have their own team certified staff with at least (3) certified staff for each product and the (CV) for each one of them must be included within the Proposal, Mutah university have the right to interview the implementation team.
- An official document of authorization or partnership must be included within the proposal. Otherwise, the offer will be excluded.
- Familiar with similar projects, and have a reference list for similar projects.
- At least one of Mutah University staff must participate in the implementation (installation and configuration) process.
- All item's warranty must be supported by the vendor for the required support period, including licenses and warranty for all devices, hardware and software components including any software upgrade, update, security patches and fixes and must support hardware replacement within next business day.
- During the warranty period, the company should provide all required spare parts free of charge.
- All connectivity between new devices and all connected devices are bidder responsibility.
- Installation, Configuration, labeling, Testing and all needed cabling should be included.
- Products and all its components (Hardware, Software and Licenses) must NOT be end-of-life, end-of-sale or end of support.
- Dates of (end-of-life, end-of-sale and end-of-support) for each proposed product and all its components (Hardware, Software and Licenses) must NOT be announced yet.
- Bidder must provide reference sites where similar devices were installed; the reference information must include the device model, date of installation and contact person details.