



COMPUTERIZATION & NETWORK ENHANCEMENT PROGRAMME

THE UNIVERSITY OF AGRICULTURE, PESHAWAR

Office Phone: +92 91 921 6604

Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 1: Network Switch.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	<p>Quick Specification</p> <p>24 port Gigabit Ethernet router/switch with four 10Gbps SFP+ ports in 1U rackmount case, Dual Boot and PoE output, 500W. Details Specification</p> <p>24 Gigabit Ethernet ports</p> <p>4 SFP+ ports. RJ45 serial console port. Non-Blocking throughput: 64 Gbps. Switching capacity: 128 Gbps</p> <p>Forwarding rate: 95.2 Mpps</p> <p>Maximum power consumption: 44 W (without PoE devices connected)</p> <p>Supports PoE+ IEEE 802.3at/af and 26 V Passive PoE]</p> <ul style="list-style-type: none"> • Temperature based fan control • 1U rackmount • Selectable power output per port (26 / 53 V) Product Code: CRS328-24P-4S+RM <p>Brand: MikroTik</p> <p>Origin: Latvian Company</p> <p>Warranty: 2Years</p>	01	<p>24 Minimum Gigabit Ethernet, 2 SFP+, RJ45 serial console ports</p> <p>Non-Blocking throughput Min: 64 Gbps, Switching capacity: 128 Gbps, Forwarding rate: 95.2 Mpps</p> <p>Supports PoE+ IEEE 802.3at/af, Budget 490W</p> <p>Selectable power output per port (26/53 V)</p> <p>SWITCHING FEATURES</p> <p>Non-blocking Layer 2 switching capacity</p> <p>16K host table, IEEE 802.1Q VLAN</p> <p>Port isolation, security, mirroring of Traffic</p> <p>STP /RSTP / MSTP</p> <p>neighbor discovery, SNMP</p> <p>IGMP snooping</p> <p>GUI, CLI & Web Interface</p>	<p>According to Specification</p>

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02	Opells Tech	<p>24 Minimum Gigabit Ethernet, 2 SFP+, RJ45 serial console ports Non-Blocking throughput Min: 64 Gbps Switching capacity: 128 Gbps, Forwarding rate: 95.2 Mpps Supports PoE+ IEEE 802.3at/af, Budget 490W Selectable power output per port (26/53 V) SWITCHING FEATURES Non-blocking Layer 2 switching capacity 16K host table, IEEE 802.1Q VLAN Port isolation, security, mirroring of Traffic STP /RSTP / MSTP neighbor discovery, SNMP IGMP snooping GUI, CLI & Web Interface Model: CRS-328-24P-4S-RM</p>	01	According to Specification
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03 iFAST solutions	CPU QCA9531 CPU nominal frequency 650 MHz Dimensions 443 x 200 x 44 mm License level 5 Operating System RouterOS or SwitchOS Size of RAM 64 MB Storage size 16 MB 10/100 Ethernet ports 1 SFP+ ports 24 Number of 40G QSFP+ ports Brand: MICROTIK Model: CSR-328-24P-4S-RM Origin: LATVIA	01		According to Specification
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Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 2: Server Computer.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	<p>Server Computer Product Code-1: CCR1036-8G-2S+EM With CPU TLR4-03680 Brand: Mikrotik Origin: Latvian Company Warranty: 2Years Software Code-2: SAS3-Radius Brand: SAS Radius Origin: Iraq Support: 2years Quick Specification of CCR-1036-8G-2S+EM : 1U rackmount, 8x Gigabit Ethernet, 2xSFP+ cages, LCD, 36 cores x 1.2GHz CPU, 8GB RAM, 41.5mpps fastpath, Up to 28Gbit/s throughput, RouterOS L6, Dual PSU Operating System : RouterOS with Firewall, Routing, MPLS, VPN, Wireless, Hotspot, Quality of service, NASS Portals, Web proxy & Tools MultiCore Processor (Built-In in CCR) Product Code: TILE-GX36 Processor Radius Server:</p>	01	<p>Product Description Multi Core Processor Specification Powerful Processor Cores Minimum 36 cores at frequencies up to 1.2 GHz 64-bit architecture (data path and address) Minimum Triple execution pipelines Support Instruction Set Architecture (ISA) extensions for Multimedia and SIMD processing Cache Minimum 12 Mbytes total on-chip cache (DDCT) Minimum 32 KB L1, 32K L1d per core, 256 KB L2 per core Minimum 9 MB coherent L3 cache, per core iMesh Interconnect Supports Minimum Five independent low-latency mesh networks 60 Tbps aggregate bandwidth Server Computer RADIUS SERVER RSOFTWARE Radius AAA Authentication Platform RADIUS Client Setup Traffic Firewall Web Proxy, NAS with Server OS, Data Management Portal, Bandwidth Manager</p>	According to specification

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<p>SAS3-RADIUS is ISP management Server with features Web Based Interface, Secure, Multilingual, SAS3 supports Mikrotik & CISCO unlimited NASS, Import & Export, Reports & Charts, Dynamic Rate Control, Data Quota, Online Updates & Maintenance</p>		<p>Services PPP, PTP, DHCP, PPPOE, PPTP, L2TP, ISDN Log IN/OUT Popup Page with Customization User web Portal for Minimum 3000 Subscribers FEATURES: 1U rack mount, Minimum 8x Gigabit Ethernet, 2xSFP+ cages, RAM: 8GB fast path: 41.5mpps, Minimum throughput: 28Gbit/s</p>	
<p>02 Opells Tech</p> <p>SERVER COMPUTER: Multi Core Processor Specification Powerful Processor Cores Minimum 36 cores at frequencies up to 1.2 GHz 64-bit architecture (data path and address) Minimum Triple execution pipelines Support Instruction Set Architecture (ISA) extensions for Multimedia and SIMD processing Cache Minimum 12 Mbytes total on-chip cache (DDCT) Minimum 32 KB L1, 32K L1d per core, 256 KB L2 per core Minimum 9 MB coherent L3 cache, per core iMesh Interconnect Supports Minimum Five independent low-latency mesh .</p>	<p>01</p>		<p>According to specification</p>

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	<p>networks 60 Tbps aggregate bandwidth Server Computer RADIUS SERVER SOFTWARE Radius AAA Authentication Platform RADIUS Client Setup Traffic Firewall Web Proxy, NAS with Server OS, Data Management Portal, Bandwidth Manager Services PPP, PTP, DHCP, PPPoE, PPTP, L2TP, ISDN Log IN/OUT Popup Page with Customization User web Portal for Minimum 3000 Subscribers FEATURES: 1U rack mount, Minimum 8x Gigabit Ethernet, 2XSFP+ cages, RAM: 8GB fast path: 41.5mpps, Minimum throughput: 28Gbit/s BRAND: MIKROTIK</p>	01		
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03 iFAST solutions	CPU TLR4-03680 CPU core count 36 CPU nominal frequency 1.2 GHz License level 6 Operating System RouterOS Size of RAM 8 GB Storage size 1 GB Storage type NAND Tested ambient temperature - 20°C to 60°C Number of AC inputs 2 AC input range 100-240 Max power consumption 73 W 10/100/1000 Ethernet ports 8 SFP DDML Yes SFP+ ports 2 Memory card type microSD Memory Cards 1 Serial port RJ45 Number of USB ports 1 USB Power Reset Yes USB slot type USB type A Max USB current (A) 1 Brand: MICROTIK Model: CCR 1036-8G-2S+EM Origin: LATVIA	01	According to specification
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Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 3: Laptop.

S.#	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendations
01	Bin Aman Traders	<p>Dell Inspiron 15 5570 Core i5 8th Generation Laptop 8GB DDR4 1TB HDD</p> <p>Processor Type Core i5 Processor Speed 3.4 GHz Hard drive size 1TB Installed RAM 8GB Screen size 15.6 Operating system (Primary) Dos L3 cache 6 MB Product Code: Inspiron 15 55700 Brand: Dell Warranty: 1 Year</p>	01	<p>Intel Core i5 Processor 1.0 GHz or higher with turbo frequency boost max 3.6 GHz L3 cache 6MB or More 10th Gen or higher RAM 8GB DDR4 HDD 1TB Display 15.6 " or higher Carrying case Onsite/parts/labour 1 year Local warranty</p>	<p>Below Specifications</p> <p>a) Low processing speed b) Older generation (8th generation quoted) c) Carry Case missing</p>
02	OPELLS TECH	<p>Brand: DELL INSPIRON 15 Model: 3593 (10th Generation)</p> <p>Intel Core i5 Processor 1.0 GHz or higher with turbo frequency boost max 3.6 GHz L3 cache 6MB or More 10th Gen or higher RAM 8GB DDR4 HDD 1TB Display 15.6 " or higher Carrying case</p>	01	<p>Intel Core i5 Processor 1.0 GHz or higher with turbo frequency boost max 3.6 GHz L3 cache 6MB or More 10th Gen or higher RAM 8GB DDR4 HDD 1TB Display 15.6 " or higher Carrying case Onsite/parts/labour 1 year Local warranty</p>	<p>According to specification</p>

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03 IFAST solutions	<p>Onsite/parts/labour 1 year Local warranty</p> <p>Model: ThinkPad E480 Brand: LENOVO Origin: China Ci5 8250U, 8GB DDR4 2400, 1TB SATA 5400rpm, 2 GB AMD Radeon™ RX 550, 14" FHD Anti-glare, Y-FPR, 3 Cell 65W 13.51 hrs, Backlit US Style K/B + numeric keypad, WIFI 1x1 AC + BT 4.1, 2x USB 3.1, 1x USB Type-C 3.1, HDMI, RJ-45 LAN, HD 720P Stereo Speaker 2x 1.5W Dual MIC, Windows 10 with OCT Channel Warranty</p>	01	<p align="center">Below Specifications</p> <ul style="list-style-type: none"> a) Carry case missing b) Low processing speed c) Screen Size Below <p align="center"><i>(Handwritten mark)</i></p>
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Item No. 4: Branded Desktop Computer.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendations
01	Bin Aman Traders	Dell Optiplex 3060 MT Core i5 8th Generation Desktop Computer 8GB DDR4 1TB HDD Intel Core i5 Processor 2.4 L3 cache 6MB RAM 8GB DDR4 HDD 1TB standard LED screen with Mouse and Keyboard Product Code: Dell Optiplex 3060 Brand: Dell Warranty: 1 Year	01	Intel Core i5 8th Gen or higher Processor 3.2 Minimum L3 cache 6MB or More RAM 8GB DDR4 HDD 1TB Gigabit 10/100/1000 LAN 1G WLAN adpapters standard LED screen with Mouse and Keyboard Onsite/parts/labour 1year Local warranty	Below Specifications Low processing speed
02	OPELLS TECH	Brand: DELL Model: OPTIPLEX 3070 (9th Generation) Mini Tower Intel Core i5 8th Gen or higher Processor 3.2 Minimum L3 cache 6MB or More RAM 8GB DDR4 HDD 1TB Gigabit 10/100/1000 LAN 1G WLAN adpapters standard LED screen with Mouse and Keyboard Onsite/parts/labour 1 year Local	01	Intel Core i5 8th Gen or higher Processor 3.2 Minimum L3 cache 6MB or More RAM 8GB DDR4 HDD 1TB Gigabit 10/100/1000 LAN 1G WLAN adpapters standard LED screen with Mouse and Keyboard Onsite/parts/labour 1year Local warranty	According to specification

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03 iFAST solutions	warranty Brand: LENOVO Model: V530 Origin: China Core i5 Tower Desktop PC (10TV002JSA) - 8th Generation Intel Core i5-8400 Processor (9M Cache, 2.80 GHz, up to 4.00 GHz, 6 cores), 8GB DDR4 2666MHz RAM (1 x 4GB, 1 slot free, 32GB Max), 1TB 7200RPM Hard Drive, DVD-RW Drive, Intel UHD Graphics 630, 1 x 1.5W Speaker, Realtek RTL8111HN Gigabit Ethernet, Connectivity: Front: 2 x USB 3.1 Gen 2, 4 x USB 3.1 Gen 1, 1 x Mic, 1 x Headphone, Rear: 2 x USB 3.1 Gen1, 2 x USB 2.0, 1 x Serial, 1 x Parallel, RJ-45, 1 x VGA, 1 x DisplayPort, 1 x HDMI, Windows 10 , Includes Lenovo Keyboard and Mouse	01		Below Specification a) WLAN missing b) Low Processing speed
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Item No. 5: Access point.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	Environment Indoor or Outdoor (Covered) Simultaneous Dual-Band 2.4 GHz Radio Rate 800 Mbps 2.4 GHz MIMO 4x4 5 GHz Radio Rate 1733 Mbps 5 GHz MIMO 4x4 Secondary Ethernet Port PoE Mode 802.3at PoE+ Ceiling Mount Wall Mount Wireless Uplink DFS Certification Networking Interface (2) 10/100/1000 E-Ports Buttons Reset Power Method 802.3at PoE+ Supported Voltage Range 44 to 57VDC Antennas 2.4 GHz (2) Dual-Port, Dual-Polarity 3 dBi 5 GHz (2) Dual-Port, Dual-Polarity, 4 dBi Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2 Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) 802.11w/PMF	06	Simultaneous Dual-Band 4x4 Multi-User MIMO Four-Stream 802.11ac Wave 2 Technology 802.3at PoE+ Compatibility Networking Interface (2) x 10/100/1000 Ethernet Ports Power Save & Beam forming Supported ANTENNAS 2.4 GHz 4x4 MIMO Radio Minimum Rate 800 Mbps 2.4 GHz (2) Dual-Port, Dual-Polarity Antennas, 3 dBi 5 GHz 4x4 MIMO Radio Minimum Rate 1733 Mbps 5 GHz (2) x Dual-Port, Dual-Polarity Antennas, 4 dBi Concurrent Clients Support Minimum 500 or Higher Traffic Isolation Support Smartphone application for remote Access management	Below Specification a) Smart phone support missing b) Power save support missing c) Concurrent client support missing d) Traffic isolation support missing

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	<p>BSSID Up to 8 per Radio Concurrent Clients 1000+</p> <p>Product Code: UAP-AC-HD</p> <p>Brand: Ubiquiti Networks</p> <p>Origin: USA</p> <p>Warranty: 2Years</p>			
02	<p>Opells Tech</p> <p>Simultaneous Dual-Band 4x4 Multi-User MIMO Four-Stream 802.11ac Wave 2 Technology 802.3at PoE+ Compatibility Networking Interface (2) x 10/100/1000 Ethernet Ports Power Save & Beam forming Supported ANTENNAS 2.4 GHz 4x4 MIMO Radio Minimum Rate 800 Mbps 2.4 GHz (2) Dual-Port, Dual- Polarity Antennas, 3 dBi 5 GHz 4x4 MIMO Radio Minimum Rate 1733 Mbps 5 GHz (2) x Dual-Port, Dual- Polarity Antennas, 4 dBi Concurrent Clients Support Minimum 500 or Higher Traffic Isolation Support Smartphone application for remote Access management</p>	06		<p>According to specification</p>

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03 iFAST solutions	<p>Model: LAPAC1200C BRAND: LINKSYS</p> <p>IEEE 802.11a/b/g/n/ac Wave 2 Other standards: 802.11 h/d/r/u/w/ MIMO Streams 2x2 (2.4 GHz) , 4x4 (5 GHz) MIMO streams. 250 m (800 Ft) Range. Concurrent Clients 512. Max Data Rate 1.73 Gbps (1,733 Mbps) Secure Web page, RADIUS based 802.1x including EAPSIM/AKA, EAP-PEAP, EAP-TLS, and EAP-TLS MAC authentication (local database or External RADIUS server). • cnMaestro Controller • Stand-alone AP based • Redirection to external RADIUS Server • Active Directory Integration. WPA-TKIP, WPA2 AES, 802.1x 802.11w (Protected Management Frames) Brand: cambium Model:E600 Origin: USA</p>	06	According to specification
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Item No. 06: PVC Duct.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	Standard quality PVC duct of larger size (feet) Brand: Adanjee	400ft	Standard quality PVC Duct, 40x40 mm	According to specification
02	Opells Tech	Standard quality PVC Duct 40x40 mm Brand: popular (Vertex 40*40 inch)	400ft		According to specification
03	iFAST solutions	PVC Duct patti Standard quality 40x40 mm- 400 Brand: Adanjee or Equivalent Origin: Pakistan	400ft		According to specification

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Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 07: UTP cable.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	<p>Outdoor Shielded Ethernet CableThe industrial-grade, Category 5e TOUTHCable™ protects your networks from the most brutal environments. Specification:Cable CAT5e, Shielded Ethernet Support Up to 1 GbpsConductor Wire Gauge 24 AWGConductor Solid Bare CopperConductor Diameter 0.500 ± 0.005 mmInsulation Type Solid PEInsulation Thickness Avg. 0.295 mmMin. 0.29 mmInsulation Diameter 1.16 ± 0.02 mmSeparation (Polyester Wrapping) Thick: 0.025 mm, Extent: 20 mmAnti-Crosstalk Divider LDPE: 4.2*0.3 mmCable Shield (Aluminum Foil) Thick: 0.060 mm, Extent: 20 mmESD Drain Wire 0.4 TCrip Cord YesSecondary Cable Shield (Braid) 16*8*0.16AA Density: 95%Jacket Material PE</p> <p>Code:TC-CARRIER CableTC-CON-100 Connector Brand : Ubiquiti Networks Origin:USA Warranty:2Year</p>	2000ft	<p>Cable Shielded-OutDoor Ethernet Support Up to 1 Gbps Conductor Wire Gauge 24 AWG Conductor Solid Bare Copper Insulation Type Solid PE Insulation Diameter 1.16 ± 0.02 mm Separation (Polyester Wrapping) Anti-Crosstalk Divider LDPE: 4.2*0.3 mm Cable Shield (Aluminum Foil) ESD Drain Wire 0.4 TC Jacket Material PE Reference Standard ISO/IEC 11801, TIA/EIA568B.2</p>	According to specification

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02	Opells Tech	CABLE Cable Shielded-OutDoor Ethernet Support Up to 1 Gbps Conductor Wire Gauge 24 AWG Conductor Solid Bare Copper Insulation Type Solid PE Insulation Diameter 1.16 ± 0.02 mm Separation (Polyester Wrapping) Anti-Crosstalk Divider LDPE: 4.2*0.3 mm Cable Shield (Aluminum Foil) ESD Drain Wire 0.4 TC Jacket Material PE Reference Standard ISO/IEC 11801, TIA/EIA568B.2 Model: 3M/DHUWA/ HIKVISION	2000ft		According to specification
03	iFAST solutions	High Quality Twisted Pair Cat 6A 23 Awg Brand: D-link Model: CAT 6-A Origin: Taiwan	2000ft		Below Specification i.Specification not given

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Item No. 08: RJ-45 connectors.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	Connector RJ-45 shielded drain hook connector 100 PC connectors protect against ESD attacks and Ethernet hardware damage Product code= TC-CON-100 connector Brand= Ubiquity networks Origin = USA	100	RJ 45 Shielded Drain Hook Connector	According to specification
02	Opellis Tech	RJ 45 shielded drain hook connector Brand: Bynet/Eql	100		According to specification
03	iFAST solutions	Schneider Electric / AMP TYCO Brand: SE Origin: USA	100		According to specification

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Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 09: Cabinet Rack

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	Cabinet Rack Product Code: 612X6142ZBrand: OEMWarranty: 2 Years 42U Network Server Cabinet Features: connected by four corner to ensure the stability cable entry from the top cover and bottom panel removable side doors for easy installation and maintenance 4 pcs of M12 adjustable feet and 4 pcs of 2" heavy duty castors included 40 sets M6 cage nuts included (below 32U 20 sets) 1 pair of vertical cable management included for 800mm depth cabinet up to 800 kgs static loading capacity Fan unit (4 fans and 2m single input power cord for 800mm depth cabinet) Standard: Comply with ANSI/EIA RS-310-D, IEC297-2, DIN41491, Part1, Part7, DIN4144 Material: Frame: SPCC cold rolled steel Others: SPCC cold rolled steel Thickness: Frame and vertical mounting rail: 2.0mm Horizontal bracket: 1.5mm, side door: 1.2mm Others: 1.2mm Size 600*1000*2055 (W*D*H)mm	01	42U 19" Server Cabinet Inside Dimension : Height = 73.5" Depth = 39" Width = 19" Overall Dimension : 24" (w) x 42" (d) x 80" (h) Mounting depth (post to post) : 34" locking front door, split rear door, locking Solid split side panels, locking Cable Management : Top Roof features Four 5.5" x 2" cutouts for cable entry Low profile caster and leveling feet, 2 Sets 19" EIA rails, 2 Rack PDU / 2 cable management brackets, Caster base (Caster base) , Leveling feet and M6 screw pack with 50 x M6 screws + 50 x washers + 50 x cage nuts for mounting , Rack mount 2U (Dual or More) Fan Kits, Bolt down brackets, Central grounding point Tool-less accessories, IP-55 Powder Coating, Color: Gray/Black	According to specification

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02	Opellis Tech	<p>CABINET RACK:</p> <p>19" server/Networking rack Cabinet (600*800*24U), 71% ventilated rate of the high-density vented door, heavy duty casters and leveling feet, removable side panels, designed for enhanced airflow, post to Post depth= 28", Four post depth adjustable rack system with 19" mounts and square holes, Perforated roof with capable entry access in the rear, Perforated front and rear locking doors, loaded with 8-slot PDU, cable manager. Model: 24U</p>	01			According to specification
03	IFAST solutions	<p>Network Racks (1U,2U, 4U, 12U, 42U) 42U 19" Server Cabinet Inside Dimension : H x D x W= 73.5" x 39" x 19" Mounting depth (post to post) : 34" locking front door, split rear door, locking. Solid split side panels, locking Cable Management : Top Roof features Four 5.5" x 2" cutouts for cable entry. Low profile caster and leveling feet,, 2 Sets 19" EIA rails, Caster base (Castor base), Leveling feet and M6 screw pack with 50 x M6 screws. 50 x washers</p>	01			According to specification

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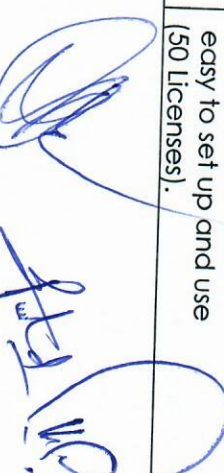
		+ 50 x cage nuts for mounting Rack mount 2U (Dual or More) Fan Kits, Bolt down brackets,, Central grounding point. Tool-less accessories, IP-55 Powder Coating, Color: Black Brand: MicrTech			
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Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 10: Software.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	Antivirus: Product: SKU-KL48631AQQFP Total Security Brand: Kaspersky License : 1 Year Microsoft Office Product: Microsoft@Office 2019 Sngl Academic OLP 1License NoLevel SKU:021-10597 Office 2016 License : 1 Year Windows: Microsoft@WindowsProfessional10 Kaspersky Endpoint Security for Business - Select Middle East Edition. 50-99 Node 1 Year Public Sector License Total Security Blocks viruses, cryptolockers& other threats Protects payments, with bank-grade encryption* Secures passwords & images of personal documents Encrypts data you send & receive online -	50	<u>Registered/Licensed Software</u> Latest Antivirus Blocks viruses, cryptolockers, attacks & more Detection and removal of rootkits Prevents online trackers collecting your data* Detects spyware hiding on your Android device Protects payments, with bank-grade encryption* Blocks unauthorized access to your webcam* Encrypts data you send & receive online - VPN** protection from malware, webcam spies, financial scammers Defends against viruses, ransomware & Stops webcam hijacks & hides browsing on PC & Mac. Blocks phishing Secures your compatible devices in any combination easy to set up and use (50 licenses).	According to specification 
		Total Security Blocks viruses, cryptolockers& other threats Protects payments, with bank-grade encryption* Secures passwords & images of personal documents Encrypts data you send & receive online -	70	Defends against viruses, ransomware & Stops webcam hijacks & hides browsing on PC & Mac. Blocks phishing Secures your compatible devices in any combination easy to set up and use (50 licenses).	



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<p>VPN** Stops webcam spies watching you in your home* Helps guard kids – advanced parental controls * PC and Mac only ** 200MB of data traffic protected per device, per day Microsoft@Office 2016 Sngl OLP 1License NoLevel Sngl Upgrade Academic OLP 1License NoLevel SKU:FQC-09512 Window 10 Professional/Microsoft@WindowsProfessional 10 Sngl OLP 1License NoLevel Legalization, GetGenuine</p>	<p>Windows 10 Professional 32/64 Bit (70 Licenses). Microsoft Office 16 Latest (50 Licenses).</p>	<p>According to specification</p>
<p>02 Opells Tech Registered/Licensed Software Latest Antivirus Blocks viruses, crypto lockers, attacks & more Detection and removal of rootkits Prevents online trackers collecting your data* Detects spyware hiding on your Android device Protects payments, with bank-grade encryption* Blocks unauthorized access to your webcam* Encrypts data you send & receive online – VPN** protection from malware, webcam spies.</p>	<p align="center">50</p>	<p>According to specification</p>

Shahid Hussain

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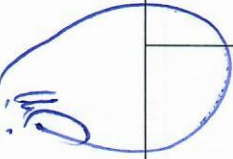
03 iFAST solutions	<p>financial scammers Defends against viruses, ransomware & Stops webcam hijacks & hides browsing on PC & Mac. Blocks phishing Secures your compatible devices in any combination (50 Licenses). Brand: KASPERSKY Windows 10 Professional 32/64 Bit(70 Licenses).</p> <p>Microsoft Office 16 Latest (50 licenses).</p> <p><u>Registered/Licensed Software</u> Latest Antivirus Blocks viruses, cryptolockers, attacks & more Detection and removal of rootkits Prevents online trackers collecting your data* Detects spyware hiding on your Android device Protects payments, with bank-grade encryption* Blocks unauthorized access to your webcam* Encrypts data you send & receive online – VPN** protection from malware, webcam spies,</p>	70 50 50		<p>According to specification</p> 
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COMPUTERIZATION & NETWORK ENHANCEMENT PROGRAMME

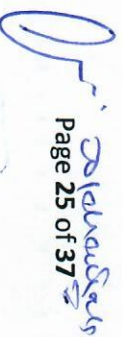
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	<p>financial scammers</p> <p>Defends against viruses, ransomware & Stops webcam hijacks & hides browsing on PC & Mac.</p> <p>Blocks phishing</p> <p>Secures your compatible devices in any combination easy to set up and use (50 Licenses).</p> <p>Windows 10 Professional 32/64 Bit key (70 Licenses).</p> <p>Microsoft Office 16 Latest (50 Licenses).</p> <p>Brand: Macfee</p>	<p>70</p> <p>50</p>		
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COMPUTERIZATION & NETWORK ENHANCEMENT PROGRAMME

THE UNIVERSITY OF AGRICULTURE, PESHAWAR

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Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 11: Network troubleshooting Tools Kits.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	Brand: OEM . Cross screwdriver . Flat screwdriver: . Network tester (Tests: Cables Connections, Lengths of STP / UTP twin twisted cable, coaxial cable, telephone line) with Led Display . Crimping pliers . Wire stripping knife . Stripping pliers knife . Knife . Card knife . Crystal Connectors (10pcs) . Plastic Box . Bag	02	Cross screwdriver Flat screwdriver: Network tester (Tests: Cables Connections, Lengths of STP / UTP twin twisted cable, coaxial cable, telephone line) with Led Display Crimping pliers Wire stripping knife Stripping pliers knife Knife Card knife Crystal Connectors (10pcs) Plastic Box Bag	According to specification
02	Opells Tech	Cross screwdriver Flat screwdriver: Network tester (Tests: Cables Connections, Lengths of STP / UTP twin twisted cable, coaxial cable, telephone line) with Led Display Crimping pliers Wire stripping knife Stripping pliers knife. Knife Card knife Crystal Connectors (10pcs) Plastic Box Bag	02	Cross screwdriver Flat screwdriver: Network tester (Tests: Cables Connections, Lengths of STP / UTP twin twisted cable, coaxial cable, telephone line) with Led Display Crimping pliers Wire stripping knife Stripping pliers knife Knife Card knife Crystal Connectors (10pcs) Plastic Box Bag	According to specification



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03	iFAST solutions	Cross screwdriver Flat screwdriver: Network tester (Tests: Cables Connections, Lengths of STP / UTP twin twisted cable, coaxial cable, telephone line) with Led Display Crimping pliers Wire stripping knife Stripping pliers knife Card knife Crystal Connectors (10pcs) Plastic Box Bag	02	According to specification
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Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 12: Power Cable.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	7/29 Power Cable Pure Copper Best Quality Single Core (feet) Brand: Pakistan cable	1000ft	7/29 Power Cable Pure Copper Best Quality Single Core	According to specification
02	Opells Tech	7/29 Power Cable Pure Copper Best Quality Single Core Brand: Allied/Fast	1000ft		According to specification
03	iFAST solutions	7/29 Power Cable Pure Copper Best Quality Single Core Brand: Fast cable or equivalent	1000ft		According to specification










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Item No. 13: Patch Cords.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	Patch Cords Branded 1/1,5 M UTP CAT-6 24 AWG Brand =schneider	10	Patch Cords Branded 1/1,5 M	According to specification
02	Opells Tech	Patch Cords Branded 1/1,5 M	10		According to specification
03	iFAST solutions	UTP Patch cords, branded, with Shielded Jacks (3 MTR) Patch Cords Branded 1/1,5 M Brand: D-Link	10		According to specification

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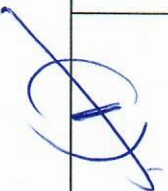
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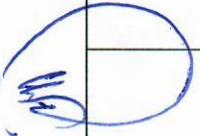




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Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 14: I/O Jacks.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	100/1000 Mbps RJ45 i/o Jack with Back Box and face Plate Brand =schneider	10	100/1000 Mbps RJ45 i/o Jack with Back Box and face Plate	According to specification
02	Opells Tech	100/1000 MbpsRJ45 i/o Jack with Back Box and face Plate Brand: AMP	10		According to specification
03	iFAST solutions	I/O Jack/Back Box Face Plate 10/100/1000 Jacks Category 6A 180° Shielded Die-casting Keystone Jack, Slim Type, 10G Supported, Dual Shutter Faceplate Flame Retardant plastic with Back box Brand: Schneider	10		According to specification








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Comparative statement for Purchase/Installation of ICT/Networking at Swat Campus

Item No. 15: Labour Charges.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	Duct installation cable (UTP and power cable) installation Rack installation Installation of connector and internet connectivity	01		According to specification
02	Opells Tech	Duct installation Cable(UTP and Power cable) Installation Rack installation Installation of connectors & internet Connectivity.	01	Duct installation Cable(UTP and Power cable) Installation Rack installation Installation of connectors & internet Connectivity.	According to specification
03	ifAST solutions	Duct installation Cable(UTP and Power cable) Installation Rack installation Installation of connectors & internet Connectivity.	01		According to specification

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Item No. 16: Power Sockets/Connections/Buttons.

S. #	Firm Name	Firm's Specifications	Qty	Specs as per Tender Document	Recommendation
01	Bin Aman Traders	Power Sockets / Connections/ buttons	10	Power Sockets / Connections/ buttons	According to specification
02	Opells Tech	POWER SOCKET/CONNECTION'S BUTTON Brand: Netlink	10		According to specification
03	iFAST solutions	Power Sockets / Connections/ buttons	10		According to specification



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Comparative Statement for Purchase/ Installation of ICT/ Networking at Swat Campus
Combined Technical/Financial Marking by the Approved Committee

A. Technical	Technical Marks 60 %	Obtained Marks					
		OPELIS TECH		BIN AMAN TRADERS		Fast Solutions	
		As per Tender Doc	Marks (Actual/Final)	As per Tender Doc	Marks (Actual/Final)	As per Tender Doc	Marks (Actual/Final)
1. No of Technical Staff /Engineers i. C/S I.T 2 Marks per staff ii. Electronics 2 Marks per staff iii. B.Sc Engineering 2 Marks per staff iv. DAE/Certified Network Associate 1 Mark per staff	10 Marks	08 degrees provided	10	08 degrees provided	10	No degrees provided	0
Head Office and Sub offices i. Head Office at Peshawar 5 Marks ii. Nationwide Head office/sub offices 2 Marks/office	10 Marks	Only head office at peshawar is confirmed	05	Only head office at peshawar is confirmed	05	Only head office at peshawar is confirmed	05
3. After sale service facilities in Pakistan i. Workshop in Peshawar 3 Marks ii. Workshops other than Peshawar 2 Marks	10 Marks	No workshop	0	No workshop	0	No workshop	0

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No and cost of the similar projects in last 03 years (in Millions=M)									
4	i. Project Cost (above 10M) Marks/project	4		i. = (1)=4				i. = (1)=4	04
	ii. Project Cost (above 5M to 10M) Marks/project	3	10	ii. = (2)=6		0		ii. 0	
	iii. Project Cost (above 1 M to 5M) Marks/project	2		iii. = (1)=2		0		iii. 0	
	iv. Project Cost (0.5M to 1M) Mark/project	1		iv. = (0)=0		0		iv. 0	

0

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5.	Soundness of the Technical Proposal 12 Marks	Technical Marks 60%	Obtained Marks									
			OPELS TECH		BIN AMAN TRADERS		IFast Solutions					
			As per tender	Actual/Final	As per tender	Actual/Final	As per tender	Actual/Final				
i. Demonstration a) Installation and deployment b) Relevant Equipment c) Technical staff soundness d) Display and Control ii. Presentation a) Firm profile and Bio data b) Organogram c) Equipment specification d) Registration with relevant body/ authorization letter e) Previous client certificate	10 Marks	20 Marks	i. a=0 b=2 c=2 d=2 e=2	8	8	i. a=0 b=2 c=1 d=2 e=1	6	6	i. a=0 b=1 c=2 d=0 e=1	4	4	
			ii. a=2 b=2 c=2 d=2 e=0	8	8	ii. a=1 b=0 c=1 d=1 e=0	3	3	ii. a=1 b=2 c=1 d=1 e=0	5	5	
			Total Obtained Technical marks	60%		41		24		18		
			B. Financial	40 %								
			C. Grand Total	100%								

Findings/Recommendations:

The firm M/S **Bin Aman** stands disqualified on the following grounds:

1. No relevant project within 2 years
2. No valid authorization letters for active components i.e
 - i. Switch
 - ii. Server Access point & passive component i.e UTP cable, Ethernet connectors



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3. The firm provided low specifications in the following major active items :
 - i. Laptop
 - ii. Desktop Computers
 - iii. Access points

The firm M/S **ifast** stands disqualified on the following grounds:

1. The firm failed to provide 2 relevant projects in last 2 years.
2. The firm failed to provide valid authorization letters.
3. The firm provided low specifications in the following major active items :
 - i. Laptop
 - ii. Desktop
 - iii. Access point

The firm **M/S OPELTS TECH** has been recommended for the supply and installation of the following ICT/NETWORKING SYSTEM at Swat campus.

- | | | |
|---|---|-------------------------------|
| 1) NETWORK Switch (Quantity=01) | 2) Server Computer (Quantity=01) | 3) Laptop (Quantity=01) |
| 4) Branded desktop computer (Quantity=01) | 5) Access Point (Quantity=06) | 6) PVC duct (Quantity=400 ft) |
| 7) UTP Cable (Quantity=2000 ft) | 8) Power cable (Quantity=1000 ft) | |
| 9) Power sockets/connections/buttons(Quantity=10) | 10) Cabinet Rack (Quantity=01) | 11) Software (Quantity=170) |
| 12) Network troubleshooting kit (Quantity=02) | 13) RJ-45 connectors (Quantity=01 pack) | 14) Patch cords (Quantity=10) |
| 15) I/O jack (Quantity=10) | 16) Labour charges (Quantity= Lump sum) | |

Technical Committee:

- 1) Prof. Dr. Yousaf Hayat (Convener) _____
- 2) Mr. Gohar Rehman: (Member) _____
- 3) Mr. Ehsanullah: (Member) _____
- 4) Mr. Mujahiduddin _____
- 5) Mr. Salahuddin (Member) _____
- 6) Mr. Pazir Muhammad (Co-opted) _____
- 7) Shaheed Ullah (Co-opted): _____



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8) Mr. Wasim Akram (Co-opted): Wasim Akram 9) waqar: Waqar 10. Mr. Javed Iqbal: (Secretary): Javed Iqbal

Goods Procurement Committee:

1) Prof. Dr. Tahir Sarwar: Tahir Sarwar 2) Dr. Ihtisham: co-opted member

3) Dr. Doulat Khan: co-opted member 4) Mr. Aziz Ullah: _____

5) Mr. Tahseenullah: Tahseenullah 6) Mr. Salah ud Din: co-opted member

7) Dr. Amjad: co-opted 8) Dr. Saizmin: co-opted 9) Mr. Javed Iqbal: Javed Iqbal

Vice Chancellor Please: Javed Iqbal