

BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

Doc # LUMHS/PMU/563, Issue Date:31-08-2023

SSPRA ID # T01773-23-0001 Dated: 07-09-2023

Method & Procedure of Procurement: Single Stage - Two Envelope

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITES AT LUMHS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/s. MS Technologies	M/s. Digital Machine Wold	M/s. Multilink Engineering
1	2	3	4	5	6
1.0	NTN Certificate	Mandatory	√	√	√
2.0	Registration with Sindh Revenue Board (Wherever applicable)	If Applicable	√	N/A	N/A
3.0	General Sales Tax Registration Certificate (GST)	Mandatory	√	√	√
4.0	Valid Professional Tax Certificate	If Applicable	N/A	N/A	√
5.0	Undertaking of Affidavit that the firm is not involved in any litigation of abandoned any procurement in the Department	Mandatory	√	√	√
6.0	Affidavit to the effect that the firm / supplier have not been blacklisted previously by any executing agency.	Mandatory	√	√	√
7.0	Certificate of Authorized Manufacturer is mandetory (MAL) Manufacturer Authorization Letter	Mandatory	√	√	Not Attached
8.0	Bid Security 2% of Bid Cost	Mandatory	√	√	√
9.0	Bid Signed & Stamped	Mandatory	√	√	√
10.0	Detail portfolio of Company Profile containing Introduction date of establishment, Company Profile containing Introduction date of establishment, experience (National / International Level) details of supplies to various Institutions / International Level including of supplied Equipments Year of Establishment of firm 1. Up to 03 years 2 Marks 2. Up to 05 years 5 Marks 3. Up to 10 years 10 Marks	10	10	10	5
11.0	Current Financial Positioin (Bank statements & Audit Reports of last three years) Details of turnover (including interms of rupee) at least last three years that average turnover should not be less than 20 million per year as per annual returns 1. Bank Statement 05 Marks 2. Audit Reports 05 Marks	10	10	10	9

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1	2	3	4	5	6
12.0	Availability of Services Center / (s) Provincial / relevant education regarding installation / repairing / service of equipment	10	5	0	5
13.0	Personal Experience of Technical Staff as per required / relevant education regarding installation / repairing / service of equipment	5	5	5	5
	Sub Total Marks	35	30	25	24
	Equipment Technical Evaluation Criteria (Item wise)				
	Quoted Items		Lot # 3 Item # 1 (1.1 to 1.9) Item # 2 (2.1 to 2.6) Item # 3 (3.1 to 3.9) Item # 4 (4.1 to 4.6) Item # 5 (5.1) Item # 6 (6.1 to 6.12) Item # 7 (7.1 to 7.15) Item # 8 (8.1 to 8.3)	Lot # 2 Item # 1 (1.1)	Lot # 1 Item # 1 (1.1) Item # 2 (2.1) Lot # 3 Item # 6
	LOT NO.1		LOT NO.1	LOT NO.1	LOT NO.1
10	Mini PC HP/Dell or Equivalent Branded Mini PC -Core i5, Latest Generation CPU (At least 4Core.8 Threads, Maximum Turbo Frequency 4.20Ghz & 8MB , M.2SSD 256GB, 24 Inch IPS Frameless FHD LED Monitor with Keyboard and mouse		Mini PC Not Quoted	Mini PC Not Quoted	Dell OptiPlex Micro 7010PC Processor :13th Gen i5-13500T (6+8Cores/24MB/20T/1.6GHz to 4.6GHz/35W) Memory: 8GB (1x8GB) DDR4 Non-ECC Chassis: OptiPlex Micro with 35W CPU Hard Drive: 256GB PCIe NVMe Class 35 Solid State Drive Dell Wired Keyboard KB216 Black (English) Dell USB Optical Mouse-MS116 (EPEAT) - Black UK Power Cord Client Dual VESA Mount Power Supply : 90 Watt A/C Adapter FREE DOS Dell 24 Monitor - E2424HS 3 Year Basic Onsite Service

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1	2	3	4	5	6
2.0	Laptop		Laptop	Laptop	Laptop
2.1	HP/Dell or Equivalent Branded Laptop Core i7, Latest generation, 16GB RAM, 512GB SSD		Not Quoted	Not Quoted	Dell Latitude J3540 13th Gen Intel Core i7-1355U (12 MB cache, 10 cores, up to 5.00 GHz Turbo) Integrated Intel(R) Iris(R) Xe or UHD Graphics for i7-1355U Processor 15.6", HD 1366x768, 60Hz, TN, Non-Touch, Anti-Glare, 220 nit, NTSC 45%, HD Camera, WLAN Palmrest, No Fingerprint Reader, No SIM slot RAM 16 GB, 2 x 8 GB, DDR4, 3200 MT/s 512 GB, M.2 PCIe NVMe, SSD, Class 35 3-cell, 42 Wh, ExpressCharge TM Capable, Intel(R) Wi-Fi 6E (6 if 6E unavailable) AX211, 2x2, 802.11ax, Bluetooth Wireless Card ENERGY STAR Qualified 65W AC rugged adapter, 4.5mm barrel, E4 HD Camera, Temporal Noise Reduction, N FREE DOS Dell Essential Briefcase 15-ES1520C
3.0	Printer - HP/ Equivalent		Printer - HP/ Equivalent	Printer - HP/ Equivalent	Printer - HP/ Equivalent
3.1	Printer speed 40PPM Processor 800MHZ Memory 1GB Resolution (print up to 1200 x1200 dpi Interface (Hi-speed USB 2.0 PORT, Ethernet100/1000Mbps)		Not Quoted	Not Quoted	Not Quoted
4.0	Multimedia Projector - Maxel HP/Dell/Sony or Equivalent		Multimedia Projector - Maxel HP/Dell/Sony or Equivalent	Multimedia Projector - Maxel HP/Dell/Sony or Equivalent	Multimedia Projector - Maxel HP/Dell/Sony or Equivalent
4.1	Short-Throw Multimedia Projector 3000ANSI Lumens with WXGA Resolution,3rd generation LED Technology Light source life (hours) with normal mode upto 30,000 Throw Ratio 49, Throw Dis 0.63M-1.58 Meter		Not Quoted	Not Quoted	Not Quoted

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1	2	3	4	5	6
5	Photocopiers				
5.1	Speed 55 PPM Max monthly duty cycle 350,000 pages per month Resolution copy 600x600 dpi Printer - Fast 1200 Mode Standard paper supply 1500 x2 550 x2 100 sheet MPT Max paper size 11 x 17" Max paper weight 110 lb Index Original size 11 x 17" Duplexing - Standards Network connectivity: Opt Print10/100Base Tx, Opt san10/100Base TX		Not Quoted	Not Quoted	Not Quoted
6.0	Scanner		Scanner	Scanner	Scanner
6.1	Universal Flatbed scanner scans up to 40 ppm/80 IPM Optical resolution 600dpi scan to text .PDF Including 50 pages ADF and one-touch scanning custom setting small and slim desktop design		Not Quoted	Not Quoted	Not Quoted
7.0	Interactive Screens 65"		Interactive Screens 65"	Interactive Screens 65"	Interactive Screens 65"
7.1	<ul style="list-style-type: none"> • Display Size: 65" or higher • D-LED Backlight • Screen resolution 8K Ultra-HD or higher • Resolution 7680 x 4320 • Operation System: X86 Android 11 and Windows 11 dual system architecture • Fitting technology: Full Fit • CPU: 11th Gen Intel Core i5 • Memory: 16GB • Built-in Storage/ROM: 256 GB • Touch Type: Touch screen • Glass: 2mm thick • Touch Point: 20-point • Pixel: 33 million 4x digital zoom • Response Time: < 12 ms • Touch Height: 2.5mm • Interfaces: HDMI IN x 1 (MAX 4K @60 Hz), Audio LINE IN x 1, HDMI OUT x 1, Audio LINE OUT x 1, RJ45 Ethernet Ports x 2, USB 3.0 on front panel x 1, USB 3.0 on rear panel x 3, Type-C Port x 1 • Audio pickup distance must be up to 8m or higher • Wi-Fi standard: IEEE 802.11a/b/g/n/ac/ax • Must include Bluetooth 5.0 • 4K Camera with auto exposure feature must be included Camera mounting method must be pluggable • Wireless screen transmitter must be included		Not Quoted	Not Quoted	Not Quoted

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	2	3	4	5	6
	LOT NO.2		LOT NO.2	LOT NO.2	LOT NO.2
1 0	OMR Scanner		OMR Scanner	OMR Scanner	OMR Scanner
1 1			Not Quoted	SEKONIC SR-3500 OMR Reader Throughput speeds: OMR: 3500 Sheets/h Read-head Sensors: OMR (Pen & Pencil) Read Head: Photo Reflector Reading Side: Single Side (Standard) Read Head Channel: 1/6" (48 Columns) Light Color: Red, Green, Blue (620, 530, 467 nm) Support Accuracy Rate 99.99% Friendly Connect with computers via USB or RS-232C ADF upto: 500 Sheets Mark Position: Upto 5,136 Mark Positions (48 Columns) With Remark Classic result generation software without optional accessories	Not Quoted
	LOT No. 3		LOT No. 3	LOT No. 3	LOT No. 3
1 0	Uninterruptible Power Supply (UPS) & Electric DB.		Uninterruptible Power Supply (UPS) & Electric DB.		
1 1	UPS True On-Line, 3kVA, Lithium-ion, Rack mount 4U, 230V, 6 IEC C13 + 1 IEC C19 outlets, Intelligent Card Slot, Extended runtime, W/ rail kit complete.		APC SRVL3KRILRK UPS On-Line, 3kVA, Lithium-ion, Rack mount 4U, 230V, 6 IEC C13 + 1 IEC C19 outlets, intelligent Card Slot, Extended runtime, W/ rail kit complete.	Not Quoted	Not Quoted
1 2	UPS True On-Line, 10kVA/10kW, Rackmount 5U, 230V, Hard wire 3-wire(1P+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete		APC SRVL10KRIL31RK UPS On-Line, 10kVA/10kW, Rackmount 5U, 230V, Hard wire 3-wire(1P+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.	Not Quoted	Not Quoted
1 3	UPS True On-Line, 20kVA/20kW, Rackmount 230V, Hard wire 3-wire(1P+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete		APC SRVL20KRILRK UPS On-Line, 20kVA/20kW, Rackmount 230V, Hard wire 3-wire(1P+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.	Not Quoted	Not Quoted

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1	2	3	4	5	6
1.4	32 Amps Industrial socket 3 pins (Pair)for Racks		SCHNEIDER 32 Amps Industrial socket 3 pins (Pair) for Racks	Not Quoted	Not Quoted
1.5	6 Sqmm x 3C electric cable (RM) Rack		Fast Cables 6 Sqmm x 3C electric cable (RM) Rack	Not Quoted	Not Quoted
1.6	60 Amps Industrial socket 5 pins (Pair) for UPS (SCHNEIDER or equivalent)		SCHNEIDER 60 Amps Industrial socket 5 pins (Pair) for UPS	Not Quoted	Not Quoted
1.7	16Sqmm x 4C electric cable (RM) UPS		Fast Cable 16Sqmm x 4C electric cable (RM) UPS	Not Quoted	Not Quoted
1.8	UPS Distribution box		UPS Distribution box	Not Quoted	Not Quoted
	UPS Distribution Box (Output) DB DB Box size 24x45x8" Phase LED ----- 3 Voltage meter --- 3 450 Amps triple pole breaker (TP) -1 60 Amps triple pole TP UPS Input)-6 (SCHNEIDER / TERASAKI/ ABB or equivalent)		SCHNEIDER UPS Distribution Box (Output) DB DB Box size 24x45x8" Phase LED-3 Voltage meter --- 3 450 Amps triple pole breaker (TP) -1 60 Amps triple pole TP UPS Input)-6	Not Quoted	Not Quoted
1.9	UPS Distribution Box (Input) DB DB Box size 24x45x8" Phase LED ----- 3 Voltage meter --- 3 700 Amps triple pole breaker (TP) -1 60 Amps triple pole TP UPS Input)- 10 (SCHNEIDER / TERASAKI/ ABB or equivalent)		SCHNEIDER UPS Distribution Box (Input) DB DB Box size 24x45x8" Phase LED ----- 3 Voltage meter --- 3 700 Amps triple pole breaker (TP) -1 60 Amps triple pole TP UPS Input)- 10	Not Quoted	Not Quoted
1.10	Testing and commissioning of all above items termination and connectivity at both ends,including submission of detailed test report from the Principals (Services)		Testing and commissioning of all above items termination and connectivity at both ends,including submission of detailed test report from the Principals (Services)	Not Quoted	Not Quoted
2.0	Passive Network		Passive Network		

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1	2	3	4	5	6
2.1	CAT-6, UTP, 23AWG, LSOH, Delta- EC certified, cables, for data from Com Rack to each workstation in already laid 25 mm dia PVC conduit, channel or trench as per drawings including termination and tagging at both ends. Complete in all respects. (Coil) (3M / SCHNEIDER / LEVINTON or equivalent)		CONTECH CAT-6, UTP, 23AWG, LSOH, Delta-EC certified, cables, for data from Com Rack to each workstation in already laid 25 mm dia PVC conduit, channel or trench as per drawings including termination and tagging at both ends. Complete in all respects. (Coil)	Not Quoted	Not Quoted
2.2	Simplex UK style angled Face plate with 1 No. CAT-6 UTP RJ-45 I/O durability 30 termination cycle. Complete with shuttered click-ins, labels, contact resistance not more than 20M ohms and all accessories but including back box.		CONTECH Simplex UK style angled Face plate with 1 No. CAT-6 UTP RJ-45 I/O durability 30 termination cycle. Complete with shuttered click-ins, labels, contact resistance not more than 20M ohms and all accessories but including back box.	Not Quoted	Not Quoted
2.3	CAT-6, Patch Panels 24 port equipped with RJ-45 I/O durability 30 termination cycles. Data communication system with cable organizer including all labelling and all mounting accessones. Complete in all respects		CONTECH Supply of CAT-6, Patch Panels 24 port equipped with RJ-45 I/Os for Data communication system with cable organizer including all labelling and all mounting accessories. Complete in all respects.	Not Quoted	Not Quoted
2.4	Supply of RM 19' Cable Manger		CONTECH Supply of RM 19' Cable Manger	Not Quoted	Not Quoted
2.5	CAT-6 UTP PVC factory certified patch cords 1 meter long having RJ-45 connectors at both ends for data communication. (3M/Equ)		CONTECH Supply of CAT-6, UTP factory certified patch cords 1 meter long having RJ-45 connectors at both ends for data communication.	Not Quoted	Not Quoted
2.6	CAT-6 UTP PVC factory certified patch cords 3 meter long having RJ-45 connectors at both ends for data communication. (3M/eq)		CONTECH Supply of CAT-6, UTP factory certified patch cords 3 meter long having RJ-45 connectors at both ends for data communication.	Not Quoted	Not Quoted
2.7	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)	Not Quoted	Not Quoted

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1	2	3	4	5	6
3.0	Optical Fiber Passive Network		Optical Fiber Passive Network	Optical Fiber Passive Network	Optical Fiber Passive Network
3.1	Fiber Patch Cord Duplex LC/PC- LC/PC Patch Cord OM3 Cord 10meters.		CONTECH Fiber Patch Cord Duplex LC/PC- LC/PC Patch Cord OM3 Cord 10 meters.	Not Quoted	Not Quoted
3.2	Fiber Patch Card Duplex LC/PC- LC/PC Patch Cord 052LSZH, 3 Meters		CONTECH Fiber Patch Card Duplex LC/PC- LC/PC Patch Cord 052LSZH, 3 Meters	Not Quoted	Not Quoted
3.3	Fiber Optic Armored 6Core SO2 Cable Single Mode with Steel Tape		CONTECH Fiber Optic Armored 6Core SO2 Cable Single Mode with Steel Tape	Not Quoted	Not Quoted
3.4	Fiber optic 6 Core Multimode OM3 indoor cables. (RM)		CONTECH Fiber optic 6 Core Multimode OM3 indoor cables. (RM)	Not Quoted	Not Quoted
3.5	48 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 48 Nos of LC Duplex Adaptor and 48 Nos of LC Pigtails		CONTECH 48 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 48 Nos of LC Duplex Adaptor and 48 Nos of LC Pigtails	Not Quoted	Not Quoted
3.6	24 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 24 Nos of LC Duplex Adaptor and 24 Nos of LC Pigtails		CONTECH 24 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 24 Nos of LC Duplex Adaptor and 24 Nos of LC Pigtails.	Not Quoted	Not Quoted
3.7	12 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 12 Nos of LC Duplex Adaptor and 12 Nos of LC Pigtails		CONTECH 12 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 12 Nos of LC Duplex Adaptor and 12 Nos of LC Pigtails.	Not Quoted	Not Quoted
3.8	15U Wall Mountable Rack, 540mmx500mm (Double Section) with PDUs (12 port flat pin UK Type 13AMP)		CONTECH 15U Wall Mountable Rack, 540mmx500mm (Double Section) with PDUs (12 port flat pin UK Type 13AMP)	Not Quoted	Not Quoted
3.9	42U Data Rack 800mmx1000mm (Double Section) with PDUs (24 port flat pin UK Type 13AMP)		CONTECH 42U Data Rack 800mmx1000mm (Double Section) with PDUs (24 port flat pin UK Type 13AMP)	Not Quoted	Not Quoted
3.10	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)	Not Quoted	Not Quoted

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4.0	Active Network Cisco/Huawei or Equivalent		Active Network Huawei	Active Network Huawei	Active Network Huawei
4.1	24 Port Distribution Switch 24 Port SFP+ Supported Redundant Power Supply amust dual core, RAM 1 GB or higher Flash 512MB orhigher, Qos Support embedded free NMS, At least 03Years equipment replacement Warranty		HUAWEI S6730-H24X6CV2 24 Port Distribution Switch 24 Port SFP+ Supported Redundant Power Supply amust dual core, RAM 1 GB or higher Flash 512MB orhigher, Qos Support embedded free NMS, At least 03Years equipment replacement Warranty	Not Quoted	Not Quoted
4.2	48 Port Switch 48 Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty		S5735-L48T4XE-V2 48 Port Switch 48 Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty	Not Quoted	Not Quoted
4.3	24 Port Switch 24GE Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty		HUAWEI S5735-L24T4XE-V2 24 Port Switch 24GE Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty	Not Quoted	Not Quoted
4.4	24 Port Switch 24GE Port with 4 SFP+ Supported POE NMS supported, At least 03Years equipment replacement warranty		HUAWEI S5735-L24T4XE-V2 24 Port Switch 24GE Port with 4 SFP+ Supported POE NMS supported, At least 03Years equipment replacement warranty	Not Quoted	Not Quoted
4.5	SFP-10G- LR Single mode		HUAWEI SFP+10G, Single Mode Module SFP-10G- LR Single mode	Not Quoted	Not Quoted
4.6	SFP-10G-SR Multimode		HUAWEI SFP+10G, Multi Mode Module SFP-10G-SR Multimode	Not Quoted	Not Quoted
5.0	Wireless (Access Point) Cisco/Huawei or Equivalent		Wireless (Access Point) Huawei	Not Quoted	Not Quoted
5.1	802.11 AC Enterprise WiFi Access Points POE Based		Air Engine 5761-11 802.11 AC Enterprise WiFi Access Points POE Based	Not Quoted	Not Quoted
6.0	Rack Server - HP / Dell or Equivalent 2U2 Socket		Rack Server - Huawei X Fusion 2288HV6-16DIMM	Rack Server - HP/Dell or Equivalent 2U 2 Socket	Rack Server - HP/Dell or Equivalent 2U 2 Socket

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1	2	3	4	5	6
6.1	Device : 2 Socket Rack Mounted Server		Device : 2 Socket Rack Mounted Server Huawei X Fusion	Not Quoted	Dell PowerEdge R750xs Server 3.5" Chassis with up to 12 Hard Drives (SAS/SATA), V3 2x Intel Xeon Silver 4310T 2.3G, 10C/20T, 10.4GT/s, 15M Cache, Turbo, HT (105W) DDR4-2666 8x 16GB RDIMM, 3200MT/s, Dual Rank PERC H755 Adapter, Low Profile 6x 1.92TB SSD up to SAS 24Gbps SED FIPS 512e 2.5in with 3.5in HYB CARR High Performance Fan x5 Dual, Hot-plug, Power Supply Redundant (1+1), 1400W, Mixed Mode, NAF 2x Jumper Cord - C13/C14, 4M, 250V, 10A (U.S, EU, TW, APCC countries except ANZ) Riser Config 0, Half Length, Low Profile, 5x16 + 1x4 slots iDRAC9, Enterprise 15G PowerEdge R750xs Motherboard with Broadcom 5720 Dual Port 1Gb On-Board LOM Broadcom 5720 Quad Port 1GbE BASE-T Adapter, OCP NIC 3.0 Broadcom 57414 Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile, V2 2x Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile, V2 PowerEdge 2U Standard Bezel Cable Management Arm, 2U No Operating System 3 Year ProSupport and Next Business Day Onsite Service
6.2	Processor 2x Intel -Xeon Silver 4310T 2.3G, 10C/20T, 10.4GT/s, 15M Cache Equivalent or Higher		Huawei X Fusion Processor 2x Intel -Xeon Silver 4310T 2.3G, 10C/20T, 10.4GT/s, 15M Cache Equivalent or Higher	Not Quoted	
6.3	Memory 8 x 16GB RDIMM, 3200MT/s, Dual Rank, ECC Registered Memory - Equivalent or Higher		Huawei X Fusion Memory: 8 x 16GB RDIMM, 3200MT/s, Dual Rank, ECC Registered Memory - Equivalent or Higher	Not Quoted	
6.4	M.2 Card : 1 x BOSS Card/ 2x240GB SSD M.2 SATA		Huawei X Fusion M.2 Card : 1 x BOSS Card/ 2x240GB SSD M.2 SATA	Not Quoted	
6.5	Disk : 6x 1.92TB SSD SAS 2.5" 12Gbps ReadIntensive-PM6 in 3.5" Adapter 2.5" Equivalent or Higher MAX support 25 Disk Bays, Minimum 8 SAS 10K, 15K RPM, 12Gbps, equivalent or higher. Also should support M.2 with separate RAID card for OS Boot and Various other Disk Such as, NL-SAS, SSD SAS/SATA, PCI NVME		Huawei X Fusion Disk : 6x 1.92TB SSD SAS 2.5" 12Gbps ReadIntensive-PM6 in 3.5" Adapter 2.5" Equivalent or Higher MAX support 25 Disk Bays, Minimum 8 SAS 10K, 15K RPM, 12Gbps, equivalent or higher. Also should support M.2 with separate RAID card for OS Boot and Various other Disk Such as, NL-SAS, SSD SAS/SATA, PCI NVME	Not Quoted	

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NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Method & Procedure of Procurement: Single Stage - Two Envelope

Date of Technical Proposal Opening: 25-09-2023

M/s. Multilink Engineering

S. No	Mandatory Provision / Eligibility	Total Marks	M/s. MS Technologies	M/s. Digital Machine World	
1	2	3	4	5	6
6.6	RAID Controller - Storage Controller RAID Controller 9460-8i PCI RAID, 4GB Cache Supports RAID 0, 1, 10, 5, 50, 6, or 60, optional supercapacitor for cache datapower failure protection, RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration		Huawei X Fusion RAID Controller - Storage Controller RAID Controller 9460-8i PCI RAID, 4GB Cache Supports RAID 0, 1, 10, 5, 50, 6, or 60, optional supercapacitor for cache datapower failure protection, RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration	Not Quoted	
6.7	Network Adapter 4x GE port AVAGO and XP332 INTEL 4*10GE Optical Interface NIC(Intel XL710 Chipset)(With 4pcs Multi-mode Optical Transceiver) or Higher Provides expansion capability of multiple types of networks. Provides the OCP3.0 network adapter. The two FlexIO card slots support two OCP 3.0 network adapters respectively, which can be configured as required. Hots swappable function supported		Huawei X Fusion Network Adapter 4x GE port AVAGO and XP332 INTEL 4*10GE Optical Interface NIC(Intel XL710 Chipset)(With 4pcs Multi-mode Optical Transceiver) or Higher. Provides expansion capability of multiple types of networks. Provides the OCP3.0 network adapter. The two FlexIO card slots support two OCP 3.0 network adapters respectively, which can be configured as required. Hots swappable function supported	Not Quoted	
6.8	Power Supply - Redundant hot-swappable high efficiency ACpower supply or higher in full configuration		Huawei X Fusion Power Supply - Redundant hot-swappable high efficiency ACpower supply or higher in full configuration	Not Quoted	
6.9	Stability - Support long-term operating temperature under specific conditions		Huawei X Fusion Stability - Support long-term operating temperature under specific conditions.	Not Quoted	
6.10	Manageability and maintainability: <ul style="list-style-type: none"> • Supports integrated system management - Automatically restarts servers - Monitors and controls fan modules, power supplies, and temperature - Starts and shuts down servers - Restarts servers in sequence - Updates local firmware - Records error logs - Provides a visualization tool • Provides GUIs for management and other advanced management functions • Provides independent remote management and control ports and GUIs for remote monitoring to implement remote full control over servers, independently of OSs. Remote full control includes remote startup, shutdown, and reset, and virtual floppy and DVD-ROM drives • Support the function for logging in to the board management system through certification based on both client certificates and certificate passwords. A white paper and official website proof materials are required • The bidding product supports out-of-band fault detection, does not rely on the OS, and can analyze and locate faults such as CPU, I2C and IPMB bus, memory, PCIe device, and hard drive faults, system crash, black screen, blue screen, and abnormal reboot. A white paper and official website proof 		Huawei X Fusion Manageability and maintainability: <ul style="list-style-type: none"> • Supports integrated system management - Automatically restarts servers - Monitors and controls fan modules, power supplies, and temperature - Starts and shuts down servers - Restarts servers in sequence - Updates local firmware - Records error logs - Provides a visualization tool • Provides GUIs for management and other advanced management functions. • Provides independent remote management and control ports and GUIs for remote monitoring to implement remote full control over servers, independently of OSs. Remote full control includes remote startup, shutdown, and reset, and virtual floppy and DVD-ROM drives. • Support the function for logging in to the board management system through certification based on both client certificates and certificate passwords. A white paper and official website proof materials are required. • The bidding product supports out-of-band fault detection, does not rely on the OS, and can analyze and locate faults such as CPU, I2C and IPMB bus, memory, PCIe device, and hard drive faults, system crash, black screen, blue screen, and abnormal reboot. A white paper 	Not Quoted	

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Method & Procedure of Procurement: Single Stage - Two Envelope

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

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S. No	Mandatory Provision / Eligibility	Total Marks	M/s. MS Technologies	M/s. Digital Machine Wold	M/s. Multilink Engineering
1	2	3	4	5	6
6.11	Compatibility: Supports mainstream operating systems, such as Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle Linux, Ubuntu, Debian, openEuler, etc.		Huawei X Fusion Compatibility: Supports mainstream operating systems, such as Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle Linux, Ubuntu, Debian, openEuler, etc.	Not Quoted	
6.12	Reliability: Long-term operating temperature: 5°C to 45°C (41°F to 113°F) (ASHRAE Classes A1 to A4 compliant)		Huawei X Fusion Reliability: Long-term operating temperature: 5°C to 45°C (41°F to 113°F) (ASHRAE Classes A1 to A4 compliant)	Not Quoted	
7.0	FM 200 fire suppression system for Data Center		FM 200 fire suppression system for Data Center	FM 200 fire suppression system for Data Center	FM 200 fire suppression system for Data Center
7.1	MECHANICAL PART: Cylinder 27 Liters Valve included Manual Operated Actuator 24 Vdc. Solenoid valve Wall Mounting Bracket Discharge Hose and Adapter TPED CERTIFICATED SEAMLESS STEEL CYLINDER 40Ltr.		Bursan MECHANICAL PART: Cylinder 27 Liters Valve included Manual Operated Actuator 24 Vdc. Solenoid valve Wall Mounting Bracket Discharge Hose and Adapter TPED CERTIFICATED SEAMLESS	Not Quoted	Not Quoted
7.2	Low pressure switch		OEM Low pressure switch	Not Quoted	Not Quoted
7.3	HFC-227ea FM200 gas UL/FM listed. Per KG Prices. Room Size: L 12' x W 14' x H 12' RF 12" (Kg)		Waysmos HFC-227ea FM200 gas UL/FM listed. Per KG Prices. Room Size: L 12' x W 14' x H 12' RF 12" (Kg)	Not Quoted	Not Quoted
7.4	CENTRAL NOZZLE		OEM CENTRAL NOZZLE	Not Quoted	Not Quoted
7.5	CAUTION-ROOM PROTECTED		OEM CAUTION-ROOM PROTECTED	Not Quoted	Not Quoted
7.6	2 zone EP extinguishant control panel (to BS/EN12094-1) c/w 3A EN54-4 PSU & 128 x64 pixel graphical LCD display. LPCB Approved - Branded.		Contest Plus 2 zone EP extinguishant control panel (to BS/EN12094-1) c/w 3A EN54-4 PSU & 128 x64 pixel graphical LCD display. LPCB Approved - Branded	Not Quoted	Not Quoted
7.7	12V7ah battery		OEM 12V7ah battery	Not Quoted	Not Quoted
7.8	Approved EN54. LPCB, CE Multi-Purpose Smoke Detector with base Voltage range: 12 - 30V DC. Sensivity Setting: Comply to EN54		Contest Plus Approved EN54, LPCB, CE Multi-Purpose Smoke Detector with base Voltage range: 12 - 30V DC. Sensivity Setting: Comply to EN54	Not Quoted	Not Quoted
7.9	Remote Indicating Lamp CE, UL		Contest Plus Remote Indicating Lamp CE, UL	Not Quoted	Not Quoted
7.10	Electronic Sounder		Contest Plus Electronic Sounder	Not Quoted	Not Quoted
7.11	Electronic Sounder with Flasher		Contest Plus Electronic Sounder with Flasher	Not Quoted	Not Quoted
7.12	Manual call point for Gas Release		Contest Plus Manual call point for Gas Release	Not Quoted	Not Quoted
7.13	Yellow Extinguishant Abort button with back box		Contest Plus Yellow Extinguishant Abort button with back box	Not Quoted	Not Quoted

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Method & Procedure of Procurement: Single Stage - Two Envelope

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1	2	3			
7.14	Yellow Extinguishant Abort button with back box		SmartLinkAdv Yellow Extinguishant Abort button with back box	Not Quoted	Not Quoted
7.15	PSTN/GSM communicator and reserve line generator. Dialler feature manages 10 telephone numbers and provides 10 editable message slots		OEM PSTN/GSM communicator and reserve line generator. Dialler feature manages 10 telephone numbers and provides 10 editable message slots	Not Quoted	Not Quoted
7.16	1" schedule 40 pipe with accessories (RFT)		1" schedule 40 pipe with accessories (RFT)	Not Quoted	Not Quoted
7.17	Installation and commissioning of all above FM200 system (Job)		Installation and commissioning of all above FM200 system (Job)	Not Quoted	Not Quoted
8.0	Access Control System		Access Control System HIK-VISION	Access Control System	Access Control System
8.1	One touch, that's all it takes for access control with biometric reader that offer the flexibility to be installed standalone or with any third party panel that supports 26-bit Wiegand.		HIK-VISION DS-K1T8048BMF One touch, that's all it takes for access control with biometric reader that offer the flexibility to be installed standalone or with any third party panel that supports 26-bit Wiegand	Not Quoted	Not Quoted
8.2	Electric magnetic lock with holding force 500lbs with enclosure		OEM Electric magnetic lock with holding force 500lbs with enclosure	Not Quoted	Not Quoted
8.3	Centralized controller : • 100,000 cards and 300,000 events storage • Communication via TCP/IP, ISUP5.0 and RS-485 • ISAPI OSDP supported • 10reader access control • Alarm input/output and alarm event upload • RS-485 interface and Wiegand interface for accessing card reader • UL294 Standard Qualified • Supports battery access		HIK-VISION DS-K2604T Centralized controller : • 100,000 cards and 300,000 events storage • Communication via TCP/IP, ISUP5.0 and RS-485 • ISAPI OSDP supported • 10reader access control • Alarm input/output and alarm event upload • RS-485 interface and Wiegand interface for accessing card reader • UL294 Standard Qualified • Supports battery access	Not Quoted	Not Quoted
8.4	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)	Not Quoted	Not Quoted
1.0	Conformance to the specification	40	25	30	25
	Qualified in Items		Lot # 3 Item # 1 (1.1 to 1.10) Item # 2 (2.1 to 2.7) Item # 3 (3.1 to 3.10) Item # 4 (4.1 to 4.6) Item # 5 (5.1) Item # 6 (6.1 to 6.12) Item # 7 (7.1 to 7.17) Item # 8 (8.3 to 8.4)	Lot # 2 Item # 1 (1.1)	Lot # 1 Item # 1 (1.1) Item # 2 (2.1) Lot # 3 Item # 6

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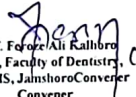
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1	2	3	4	5	6
2.0	Similar nature works Experience 1. Documentry evidence of (05) procurement in completed and certificate of satisfactory completion of works by the employers 15 Marks 2. List of Supplies in progress indicating cost of each work and copy of letter, awarding the work 10 Marks	25	20	15	25
	Sub Total Marks	65	45	45	50
	Grand Total Marks	100	75	70	74
	Note: Minimum 70 Marks are required to qualify for financial openne				


Prof. Feroze Ali Kalhoro
Dean, Faculty of Dentistry,
LUMHS, Jamshoro
Convener


Engr. Saghir Ahmed Memon
Director (P & D)/Works,
MUET, Jamshoro
External Member


Mr. Nadeem ul Haq Javeri
Director Finance,
LUMHS, Jamshoro
Member


Engr. Mukesh Kumar Vasu
Assistant Engineer,
SABS University, Jamshoro
External Member


Engr. Gulzar Ahmed
Project Coordinator,
LUMHS, Jamshoro
Member / Secretary


Mr. Abdul Razim Shaikh
Director IT (Services)
LUMHS, Jamshoro
Co-opted Member

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1.0	2	3	7	8	9
1.0	NTN Certificate	Mandatory	√	√	√
2.0	Registration with Sindh Revenue Board (Wherever applicable)	If Applicable	N/A	N/A	√
3.0	General Sales Tax Registration Certificate (GST)	Mandatory	√	√	√
4.0	Valid Professional Tax Certificate	If Applicable	N/A	N/A	N/A
5.0	Undertaking of Affidavit that the firm is not involved in any litigation of abandoned any procurement in the Department	Mandatory	√	√	√
6.0	Affidavit to the effect that the firm / supplier have not been blacklisted previously by any executing agency.	Mandatory	√	√	√
7.0	Certificate of Authorized Manufacturer is mandatory (MAL) Manufacturer Authorization Letter	Mandatory	√	√	√
8.0	Bid Security 2% of Bid Cost	Mandatory	√	√	√
9.0	Bid Signed & Stamped	Mandatory	√	√	√
10.0	Detail portfolio of Company Profile containing Introduction date of establishment. Company Profile containing Introduction date of establishment. experience (National / International Level) details of supplies to various Institutions / International Level including of supplied Equipments Year of Establishment of firm 1 Up to 03 years 2 Marks 2 Up to 05 years 5 Marks 3 Up to 10 years 10 Marks	10	10	10	10
11.0	Current Financial Position (Bank statements & Audit Reports of last three years) Details of turnover (including in terms of rupee) at least last three years that average turnover should not be less than 20 million per year as per annual returns	10	8	6	10
	1. Bank Statement 05 Marks 2. Audit Reports 05 Marks				

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S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Future Age	M/s. XCL Technologies	M/s. PTCL Business Solution
1.0	2	3	7	8	9
12.0	Availability of Services Center / (s) Provincial / relevant education regarding installation / repairing / service of equipment	10	10	10	10
13.0	Personal Experience of Technical Staff as per required / relevant education regarding installation / repairing / service of equipment	5	5	5	5
	Sub Total Marks	35	33	31	35
	Equipment Technical Evaluation Criteria (Item wise)				
	Quoted Items		Lot # 1 Item # 1 (1.1)	Lot # 1 Item # 1 (1.1) Item # 2 (2.1) Item # 3 (3.1) Item # 4 (4.1) Item # 5 (5.1) Item # 6 (6.1)	Lot # 1 Item # 1 (1.1) Item # 2 (2.1) Lot # 3 Item # 4 (4.1 to 4.6) Item # 5 (5.1) Item # 6 (6.1 to 6.12)
	LOT NO.1				
1.0	Mini PC HP/Dell or Equivalent Branded Mini PC -Core i5. Latest Generation CPU (At least 4Core,8 Threads, Maximum Turbo Frequency 4.20Ghz & 8MB . M.2SSD 256GB, 24 Inch IPS Frameless FHD LED Monitor with Keyboard and mouse		Mini PC HP Pro Mini 260 G9 Desktop PC Intel Core i5 1335U Latest 13th Generation Processor, 10 Core, 12 Threads, Maximum Turbo Frequency 4.60 GHz, 12M Cache 8GB (1x8GB) DDR4 3200 SODIMM Memory 256 GB 2280 PCIe NVMe Value SSD Free Dos HP 125 BLK Wired Keyboard HP Black 125 Wired Mouse HP P24 G5 24" FHD IPS Frameless LED Intel AX211 Wi-Fi 6E 160 MHz + Bluetooth 5.3 WW WLAN 65 Watt Smart nPFC Straight AC Adapter 1 Year Comprehensive Warranty 1/1/1 (material / labor / onsite)	Mini PC Model: HP Mini PC 260 G9 I5-1235 12th Gen, 8 GB Ram 512 GB SSD DOS-LED Monitor-HP 24"	MINI PC Dell OptiPlex Micro (7010) A 13th Gen i5-13500T (6+8 Cores/24MB/20T/1 6GHz to 4.6GHz/35W) 8GB (1x8GB) DDR4 Non-ECC Memory M.2 2230 256GB PCIe NVMe Class 35 Solid State Drive Dell Wired Keyboard KB216 Black (English) Dell USB Optical Mouse-MS116 (EPEAT) - Black OS Media Kit Not Included Recovery Options Dell 24 Monitor - E2424HS [Dell 24 Monitor - E2424HS - [AG-MONE2424HS]](210-BGST)
2.0	Laptop HP/Dell or Equivalent Branded Laptop Core i7, Latest generation, 16GB RAM, 512GB SSD		Not Quoted	Laptop Model: HP Pavilion 15 i7, 12th Gen 16GB RAM, 512 GB SSD	Laptop Dell Latitude 3540, XCTO 13th Gen Intel Core i7-1355U (12 MB cache, 10 cores, up to 5.00 GHz Turbo Integrated Intel(R) Iris(R) Xe or UHD Graphics for i7-1355U Processor 15.6", HD 1366x768, 60Hz, TN, Non-Touch, Anti-Glare, 220 nit, NTSC 45%, HD Camera, WLAN 16 GB, 2 x 8 GB, DDR4, 3200 MT/s 512 GB, M.2 2230, PCIe NVMe, SSD, Class 35
2.1			Not Quoted		

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1.0	2	3	7	8	9
3.0	Printer – HP/ Equivalent		Printer	Printer	Printer
3.1	Printer speed 40PPM Processor 800MHZ, Memory 1GB. Resolution (print : up to 1200 x1200 dpi Interface (Hi-speed USB 2.0 PORT, Ethernet100/1000Mbps)		Not Quoted	Model: HP 404DN	Not Quoted
4.0	Multimedia Projector – Maxel HP/Dell/Sony or Equivalent		Multimedia Projector	Multimedia Projector	Multimedia Projector
4.1	Short-Throw Multimedia Projector 3000ANSI Lumens with WXGA Resolution,3rd generation LED Technology Light source life (hours) with normal mode upto 30,000 Throw Ratio:49, Throw Dis 0.63M-1.58 Meter.		Not Quoted	Model: Viewsonic PS700w Projector system 0.65" WXGA (1280x800) Brightness 3500 ANSI Lumens Light Source Lamp Lamp Hour (Nor /SuperEco) 4000/7500 Lamp Watt 240W Offset 130%±5% Throw Ratio 0.23 Keystone HV Optical Zoom Fixed	Not Quoted
5	Photocopiers		Photocopiers	Photocopiers	Photocopiers
5.1	Speed :55 PPM Max monthly duty cycle :350,000 pages per month Resolution copy 600x600 dpi Printer : Fast 1200 Mode Standard paper supply 1500 x2 550 x2 100 sheet MPT Max paper size 11 x 17" Max paper weight:110 lb. Index Original size 11 x17" Duplexing : Standards Network connectivity: Opt Print10/100Base Tx, Opt san10/100Base TX		Not Quoted	Model: Ricoh IMC 5500 Speed 55 PPM Speed 55 PPM Max Resolution copy 600x600 dpi Printer Fast 1200 Mode Recommended paper size - Bypass tray: SRA3, A3, A4, A5, A6, B4, B5, B6, Envelopes, Custom Size paper Paper input standard 1,200 sheets Paper input maximum 4,700 sheets Paper output standard 500 sheets Paper output maximum 3,625 sheets	Not Quoted
6.0	Scanner		Scanner	Scanner	Scanner
6.1	Universal Flatbed scanner scans up to 40 ppm/80 IPM Optical resolution : 600dpi scan to text .PDF Including 50 pages ADF and one-touch scanning custom setting small and slim desktop design		Not Quoted	Model: HP Scan Jet Pro 3000 S4 Resolution 600 x 600 dpi Input type Sheetfed Auto document feeder Standard, 50 sheets Connectivity USB 3.0 scans at up to 40 ppm/80 ipm with two-sided scanning clear, legible scans—up to 1,200-dpi resolution to text .PDF Including 50 pages ADF 4000-page duty cycle One-pass duplex scanning	Not Quoted

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1.0	2	3	7	8	9
7.0	Interactive Screens 65"		Interactive Screens 65"	Interactive Screens 65"	Interactive Screens 65"
7.1	<ul style="list-style-type: none"> • Display Size: 65" or higher • D-LED Backlight • Screen resolution: 8K Ultra-HD or higher • Resolution: 7680 x 4320 • Operation System: X86 Android 11 and Windows 11 dual system architecture • Fitting technology: Full Fit • CPU: 11th Gen Intel Core i5 • Memory: 16GB • Built-in Storage/ROM: 256 GB • Touch Type: Touch screen • Glass: 2mm thick • Touch Point: 20-point • Pixel: 33 million, 4x digital zoom • Response Time: < 12 ms • Touch Height: 2.5mm • Interfaces: HDMI IN x 1 (MAX 4K@60 Hz), Audio LINE IN x 1, HDMI OUT x 1, Audio LINE OUT x 1, RJ45 Ethernet Ports x 2, USB 3.0 on front panel x 1, USB 3.0 on rear panel x 3, Type-C Port x 1 • Audio pickup distance must be up to 8m or higher • Wi-Fi standard: IEEE 802.11a/b/g/n/ac/ax • Must include Bluetooth 5.0 • 4K Camera with auto exposure feature must be included. • Camera mounting method must be pluggable • Wireless screen transmitter must be included 		Not Quoted	Not Quoted	Not Quoted
	LOT NO.2		LOT NO.2	LOT NO.2	LOT NO.2
1.0	OMR Scanner		OMR Scanner	OMR Scanner	OMR Scanner
1.1			Not Quoted	Not Quoted	Not Quoted
	LOT No. 3		LOT No. 3	LOT No. 3	LOT No. 3
1.0	Uninterruptible Power Supply (UPS) & Electric DB.		Uninterruptible Power Supply (UPS) & Electric DB.	Uninterruptible Power Supply (UPS) & Electric DB.	Uninterruptible Power Supply (UPS) & Electric DB.
1.1	UPS True On-Line, 3kVA, Lithium-ion, Rack mount, 4U, 230V, 6 IEC C13 + 1 IEC C19 outlets, Intelligent Card Slot, Extended runtime, W/ rail kit complete.		Not Quoted	Not Quoted	Not Quoted

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1.0	2	3	7	8	9
1.2	UPS True On-Line, 10kVA/10kW, Rackmount 5U, 230V, Hard wire 3-wire(1P+N-E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete		Not Quoted	Not Quoted	Not Quoted
1.3	UPS True On-Line, 20kVA/20kW, Rackmount 230V, Hard wire 3-wire(1P+N-E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete		Not Quoted	Not Quoted	Not Quoted
1.4	32 Amps Industrial socket 3 pins (Pair)for Racks		Not Quoted	Not Quoted	Not Quoted
1.5	6 Sqmm x 3C electric cable (RM) Rack		Not Quoted	Not Quoted	Not Quoted
1.6	60 Amps Industrial socket 5 pins (Pair) for UPS (SCHNEIDER or equivalent)		Not Quoted	Not Quoted	Not Quoted
1.7	16Sqmm x 4C electric cable (RM) UPS		Not Quoted	Not Quoted	Not Quoted
1.8	UPS Distribution box		Not Quoted	Not Quoted	Not Quoted
	UPS Distribution Box (Output) DB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 450 Amps triple pole breaker (TP) -1 60 Amps triple pole TP UPS Input)-6 (SCHNEIDER / TERASAKI/ ABB or equivalent)		Not Quoted	Not Quoted	Not Quoted
1.9	UPS Distribution Box (Input) DB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 700 Amps triple pole breaker (TP) -1 60 Amps triple pole TP UPS Input)- 10 (SCHNEIDER / TERASAKI/ ABB or equivalent)		Not Quoted	Not Quoted	Not Quoted

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BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

Doc # LUMHS/PMU/563, Issue Date:31-08-2023

SSPRA ID # T01773-23-0001 Dated: 07-09-2023

Method & Procedure of Procurement: Single Stage - Two Envelope)

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO".

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Future Age	M/s. XCL Technologies	M/s. PTCL Business Solution
1.0	2	3	7	8	9
1.10	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Not Quoted	Not Quoted	Not Quoted
2.0	Passive Network		Not Quoted	Not Quoted	Not Quoted
2.1	CAT-6, UTP, 23AWG, LSOH, Delta- EC certified, cables, for data from Com Rack to each workstation in already laid 25 mm dia PVC conduit, channel or trench as per drawings including termination and tagging at both ends. Complete in all respects (Coil) (3M / SCHNEIDER / LEVINTON or equivalent)		Not Quoted	Not Quoted	Not Quoted
2.2	Simplex UK style angled Face plate with 1 No. CAT-6 UTP RJ-45 I/O durability 30 termination cycle. Complete with shuttered click-ins, labels, contact resistance not more than 20M ohms and all accessories but including back box.		Not Quoted	Not Quoted	Not Quoted
2.3	CAT-6, Patch Panels 24 port equipped with RJ-45 I/O durability 30 termination cycles. Data communication system with cable organizer including all labelling and all mounting accessories. Complete in all respects.		Not Quoted	Not Quoted	Not Quoted
2.4	Supply of RM 19' Cable Manager		Not Quoted	Not Quoted	Not Quoted
2.5	CAT-6, UTP PVC factory certified patch cords 1 meter long having RJ-45 connectors at both ends for data communication (3M/Equ)		Not Quoted	Not Quoted	Not Quoted

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S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Future Age	M/s. XCL Technologies	M/s. PTCL Business Solution
1.0	2	3	7	8	9
2.6	CAT-6 UTP PVC factory certified patch cords 3 meter long having RJ-45 connectors at both ends for data communication. (3M/equ)		Not Quoted	Not Quoted	Not Quoted
2.7	Testing and commissioning of all above items termination and connectivity at both ends including submission of detailed test report from the Principals (Services)		Not Quoted	Not Quoted	Not Quoted
3.0	Optical Fiber Passive Network		Not Quoted	Not Quoted	Not Quoted
3.1	Fiber Patch Cord Duplex LC/PC LC/PC Patch Cord OM3 Cord 10meters		Not Quoted	Not Quoted	Not Quoted
3.2	Fiber Patch Card Duplex LC/PC- LC/PC Patch Cord 052LSZH, 3 Meters		Not Quoted	Not Quoted	Not Quoted
3.3	Fiber Optic Armored 6Core SO2 Cable Single Mode with Steel Tape		Not Quoted	Not Quoted	Not Quoted
3.4	Fiber optic 6 Core Multimode OM3 indoor cables (RM)		Not Quoted	Not Quoted	Not Quoted
3.5	48 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 48 Nos of LC Duplex Adaptor and 48 Nos of LC Pigtails		Not Quoted	Not Quoted	Not Quoted
3.6	24 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 24 Nos of LC Duplex Adaptor and 24 Nos of LC Pigtails		Not Quoted	Not Quoted	Not Quoted
3.7	12 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 12 Nos of LC Duplex Adaptor and 12 Nos of LC Pigtails		Not Quoted	Not Quoted	Not Quoted
3.8	15U Wall Mountable Rack, 540mmx500mm (Double Section) with PDUs (12 port flat pin UK Type 13AMP)		Not Quoted	Not Quoted	Not Quoted

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BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

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Method & Procedure of Procurement: Single Stage - Two Envelope

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S. No	Mandatory Provision / Eligibility	Total Marks	M/A. Future Age	M/A. XCL Technologies	M/s. PTCL Business Solution
1.0	2	3	7	8	9
3.9	42U Data Rack 800mmx1000mm (Double Section) with PDUs (24 port flat pin UK Type 13AMP)		Not Quoted	Not Quoted	Not Quoted
3.10	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Not Quoted	Not Quoted	Not Quoted
4.0	Active Network Cisco/Huawei or Equivalent		Active Network Cisco/Huawei or Equivalent	Active Network Cisco/Huawei or Equivalent	Active Network Cisco/Huawei or Equivalent
4.1	24 Port Distribution Switch 24 Port SFP+ Supported Redundant Power Supply amust dual core, RAM 1 GB or higher Flash 512MB or higher, Qos Support embedded free NMS, At least 03Years equipment replacement Warranty		Not Quoted		H24X6C-V2(C13_Britain) S6700 Series Ethernet Switches S6730-H24X6C-V2(24*10GE SFP+ ports, 6*40GE QSFP28 ports, optional license for upgrade to 6*100GE QSFP28, without power module) 600W AC Power Module(Back to Front, Power panel side exhaust) S67XX-H Series Basic SW,Per Device 1U Boxlike equipment lengthening back mounting ear,IEC Expandable size(280-450mm)
4.2	48 Port Switch 48 Port with 4 SFP+ Supported (Non-POE) NMS supported. At least 03Years equipment replacement warranty.		Not Quoted	Not Quoted	Cloud Engine S5735-L48T4XE-A-V2(CloudEngine S5735-L48T4XE-A-V2(C13_Britain)) S5700 Series Ethernet Switches S5735-L48T4XE-A-V2 (48*10/100/1000BASE-T ports, 4*10GE SFP+ ports, 2*12GE stack ports, AC power) S57XX-L Series Basic SW,Per Device

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S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Future Age	M/s. XCL Technologies	M/s. PTCL Business Solution
1.0	2	3	7	8	9
4.3	24 Port Switch 24GE Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty.		Not Quoted	Not Quoted	Cloud Engine S5735-L24T4XE-A-V2(CloudEngine S5735-L24T4XE-A-V2(CI3_Britain)) S5700 Series Ethernet Switches S5735-L24T4XE-A-V2 (24*10/100/1000BASE-T ports, 4*10GE SFP+ ports, 2*12GE stack ports, AC power, Specially protected models) S57XX-L Series Basic SW,Per Device
4.4	24 Port Swtich 24GE Port with 4 SFP+ Supported POE ,NMS supported, At least 03Years equipment replacement warranty.		Not Quoted		CloudEngine S5735-L24P4XE-A-V2(CloudEngine S5735-L24P4XE-A-V2(CI3_Britain)) S5700 Series Ethernet Switches S5735-L Series Mainframe
4.5	SFP-10G- LR Single mode		Not Quoted		Optical Transceiver, SFP+, 10G, Multi-mode Module(850nm, 0.3km, LC)
4.6	SFP-10G-SR Multimode		Not Quoted		Optical Transceiver, SFP+, 10G, Single-mode Module(1310nm, 10km, LC)
5.0	Wireless (Access Point) Cisco/Huawei or Equivalent		Not Quoted		Wireless (Access Point) Huawei
5.1	802.11 AC Enterprise WiFi Access Points POE Based		Not Quoted	Not Quoted	Cloud Engine S6730-H24X6C-V2(CI3_Britain) S6700 Series Ethernet Switches S6730-H24X6C-V2(24*10GE SFP+ ports, 6*40GE QSFP28 ports, optional license for upgrade to 6*100GE QSFP28, without power module)_Co-Care Standard S6730-H24X6C_36Month(s)

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S.No	Mandatory Provision / Eligibility	Total Marks	M/s. Future Age	M/s. XCL Technologies	M/s. PTCL Business Solution
1.0	2	3	7	8	9
6.0	Rack Server - HP / Dell or Equivalent 2U2 Socket		Not Quoted	Not Quoted	Rack Server
6.1	Device : 2 Socket Rack Mounted Server		Not Quoted	Not Quoted	PowerEdge R750xs Server [PowerEdge R750xs - [ASPER750XS_V1_VP]] (210-AZYQ) PowerEdge R750xs Server 3.5 Chassis SAS/SATA Backplane No Rear Storage 2 CPU Configuration Trusted Platform Module 2.0 V3 3.5" Chassis with up to 12 Hard Drives (SAS/SATA), V3 Intel Xeon Silver 4310T 2.3G, 10C/20T, 10.4GT/s, 15M Cache, Turbo, HT (105W)DDR4-2666 Intel Xeon Silver 4310T 2.3G, 10C/20T, 10.4GT/s, 15M Cache, Turbo, HT (105W)DDR4-2666 Additional Processor Selected High Performance Heatsink High Performance Heatsink Performance Optimized 3200MT/s RDIMMs 16GB RDIMM, 3200MT/s, Dual Rank PowerEdge R750xs Server 3.5 Chassis SAS/SATA Backplane No Rear Storage 2 CPU Configuration Trusted Platform Module 2.0 V3 3.5" Chassis with up to 12 Hard Drives (SAS/SATA), V3 Intel Xeon Silver 4310T 2.3G, 10C/20T, 10.4GT/s, 15M Cache, Turbo, HT (105W)DDR4-2666 Intel Xeon Silver 4310T 2.3G, 10C/20T, 10.4GT/s, 15M Cache, Turbo, HT (105W)DDR4-2666 Additional Processor Selected High Performance Heatsink High Performance Heatsink Performance Optimized
6.2	Processor 2x Intel -Xeon Silver 4310T 2.3G, 10C/20T, 10.4GT/s, 15M Cache Equivalent or Higher		Not Quoted	Not Quoted	
6.3	Memory 8 x 16GB RDIMM, 3200MT/s, Dual Rank, ECC Registered Memory - Equivalent or Higher		Not Quoted	Not Quoted	
6.4	M.2 Card 1 x BOSS Card/ 2x240GB SSD M.2 SATA		Not Quoted	Not Quoted	
6.5	Disk 6x 1.92TB SSD SAS 2.5" 12Gbps ReadIntensive-PM6 in 3.5" Adapter 2.5" Equivalent or Higher MAX supports 2.5" Disk Bays, Minimum 8, SAS 10K, 15K, RPM, 12Gbps, equivalent or higher. Also should support M.2 with separate RAID card for OS Boot and Various other Disk Such as, NL-SAS, SSD SAS/SATA, PCI NVME		Not Quoted	Not Quoted	

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 Method & Procedure of Procurement: Single Stage - Two Envelope)

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S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Future Age	M/s. XCL Technologies	M/s. PTCL Business Solution
1.0	2	3	7	8	9
6.6	RAID Controller Storage Controller RAID Controller 9460-8i PCI RAID. 4GB Cache Supports RAID 0, 1, 10, 5, 50, 6, or 60, optional supercapacitor for cache data power failure protection, RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration.		Not Quoted	Not Quoted	3200MT/s RDIMMs 16GB RDIMM, 3200MT/s, Dual Rank Unconfigured RAID PERC H755 Adapter, Low Profile 1.92TB SSD up to SAS 24Gbps SED FIPS 512e 2.5in with 3.5in HYB CARR Performance BIOS Settings High Performance Fan <5 Dual, Hot-plug, Power Supply Redundant (1+1), 1400W, Mixed Mode, NAF Jumper Cord - C13/C14, 4M, 250V, 10A (US, EU, TW, APCC countries except ANZ) Riser Config 0, Half Length, Low Profile, 5x16 + 1x4 slots PowerEdge R750xs Motherboard with Broadcom 5720 Dual Port 1Gb On-Board LOM iDRAC9, Enterprise 15G Broadcom 5720 Quad Port 1GbE BASE-T Adapter, OCP NIC 3.0 Broadcom 57414 Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile, V2 Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile, V2 PowerEdge 2U Standard Bezel Dell EMC Luggage Tag R750xs BOSS-S2 controller card + with 2 M.2 240GB (RAID 1) BOSS S2 Cables and Bracket for R750xs/R550 Quick Sync 2 (At-the-box mgmt) iDRAC, Factory Generated Password iDRAC Group Manager, Enabled Cable Management Arm, 2U ReadyRails Sliding Rails Without Cable Management Arm No Internal Optical Drive
6.7	Network Adapter 4x GE port AVAGO and XP332 INTEL 4*10GE Optical Interface NIC (Intel XL710 Chipset) (With 4port Multi-mode Optical Transceiver) or Higher Provides expansion capability of multiple types of networks. Provides the OCP 3.0 network adapter. The two FlexIO card slots support two OCP 3.0 network adapters respectively, which can be configured as required. Hot-swappable function supported.		Not Quoted	Not Quoted	
6.8	Power Supply Redundant hot-swappable high efficiency AC power supply or higher in full configuration		Not Quoted	Not Quoted	
6.9	Stability Support long-term operating temperature under specific conditions.		Not Quoted	Not Quoted	

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1.0	2	3	7	8	9
6.10	Manageability and maintainability: • Supports integrated system management: - Automatically restarts servers - Monitors and controls fan modules, power supplies, and temperature		Not Quoted	Not Quoted	PowerEdge R750xs Shipping, APCC PowerEdge R750xs Shipping Matenal PowerEdge 2U, No CE or CCC Marking, APCC/TW
6.11	Compatibility: Supports mainstream operating systems, such as Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle Linux, Ubuntu, Debian, openEuler, etc.		Not Quoted	Not Quoted	Mac Address Label for On-board NIC CS INFO MIAS ISG Reporting Part SI,ORDY,MOD,INFO,ISGCH REPORT SI,GLOBAL,MOD,DELL READY SI,MOD,INFO,FIDA OR BYPASS SI,MOD,INFO,MIAS,POSTBURN SI,MOD,INFO,MIAS,AP SI,MOD,INFO,CSR,ELIGIBLE
6.12	Reliability: Long-term operating temperature: 5°C to 45°C (41°F to 113°F) (ASHRAE Classes A1 to A4 compliant)		Not Quoted	Not Quoted	UEFI BIOS Boot Mode with GPT Partition OpenManage Enterprise Advanced No Operating System No Media Required No Systems Documentation, No OpenManage DVD Kit Basic Next Business Day 36 Months- ACDTS ProSupport and Next Business Day Onsite Service-ACDTS Initial, 36 Month(s) No Installation Services Selected Partner Operations Support B2B APCC Order Ready for MAC Add Label Configuration Services, Standard ISG Channel System Report, Deliver Via Email
7.0	FM 200 fire suppression system for Data Center		Not Quoted	Not Quoted	
7.1	MECHANICAL PART Cylinder 27 Liters Valve included Manual Operated Actuator 24 Vdc. Solenoid valve Wall Mounting Bracket Discharge Hose and Adapter TPED CERTIFICATED SEAMLESS STEEL CYLINDER 40Ltr		Not Quoted	Not Quoted	
7.2	Low pressure switch		Not Quoted	Not Quoted	

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1.0	2	3	7	8	9
7.3	HFC-227ea FM200 gas UL/FM listed. Per KG Prices. Room Size L 12' x W 14' x H 12' RF 12" (Kg)		Not Quoted	Not Quoted	
7.4	CENTRAL NOZZLE		Not Quoted	Not Quoted	
7.5	CAUTION-ROOM PROTECTED		Not Quoted	Not Quoted	
7.6	2 zone EP extinguishant control panel (to BS/EN12094-1) c/w 3A EN54-4 PSU & 128 x64 pixel graphical LCD display LPCB Approved - Branded		Not Quoted	Not Quoted	
7.7	12V7ah battery		Not Quoted	Not Quoted	
7.8	Approved EN54, LPCB, CE Multi-Purpose Smoke Detector with base. Voltage range: 12 - 30V DC. Sensitivity Setting Comply to EN54		Not Quoted	Not Quoted	
7.9	Remote Indicating Lamp, CE, UL		Not Quoted	Not Quoted	
7.10	Electronic Sounder		Not Quoted	Not Quoted	
7.11	Electronic Sounder with Flasher		Not Quoted	Not Quoted	
7.12	Manual call point for Gas Release		Not Quoted	Not Quoted	
7.13	Yellow Extinguishant Abort button with back box		Not Quoted	Not Quoted	
7.14	Yellow Extinguishant Abort button with back box		Not Quoted	Not Quoted	
7.15	PSTN/GSM communicator and reserve line generator. Dialler feature manages 10 telephone numbers and provides 10 editable message slots		Not Quoted	Not Quoted	
7.16	1" schedule 40 pipe with accessories (RFT)		Not Quoted	Not Quoted	
7.17	Installation and commissioning of all above FM200 system (Job)		Not Quoted	Not Quoted	
8.0	Access Control System		Access Control System	Access Control System	Access Control System
8.1	One touch, that's all it takes for access control with biometric reader that offer the flexibility to be installed standalone or with any third party panel that supports 26-bit Wiegand		Not Quoted	Not Quoted	Not Quoted
8.2	Electric magnetic lock with holding force 500lbs with enclosure		Not Quoted	Not Quoted	Not Quoted
8.3	Centralized controller + 100,000 cards and 300,000 events storage + Communication via TCP/IP, ISUPS 0 and RS-485 + ISAPI, OSDP supported + Offline access control + Alarm input/output and alarm event upload + RS-485 interface and Wiegand interface for accessing card reader + UL294 Standard Qualified + Supports battery access		Not Quoted	Not Quoted	Not Quoted

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1.0	2	3	7	8	9
8.4	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Not Quoted	Not Quoted	Not Quoted
1.0	Conformance to the specification	40	25	25	25
	Qualified in Item		Lot # 1 Item # 1 (1.1)	Lot # 1 Item # 1 (1.1) Item # 2 (2.1) Item # 3 (3.1) Item # 4 (4.1) Item # 5 (5.1) Item # 6 (6.1)	Lot # 1 Item # 1 (1.1) Item # 2 (2.1) Lot # 3 Item # 4 (4.1 to 4.6) Item # 5 (5.1) Item # 6 (6.1 to 6.12)
2.0	Similar nature works Experience 1. Documentry evidence of (05) procurement in completed and certificate of satisfactory completion of works by the employers 15 Marks 2. List of Supplies in progress indicating cost of each work and copy of letter awarding the work 10 Marks	25	25	20	20
	Sub Total Marks	65	50	45	45
	Grand Total Marks	100	83	76	80
	Note: Minimum 70 Marks are required to qualify for financial opening				

Prof. Faruk Ali Khatun
Dean, Faculty of Dentistry,
LUMHS, Jamshoro
Convener

Engr. Saghir Ahmed Memon
Director (P & D) Works,
MUE, Jamshoro
External Member

Mr. Nadeem Shauq Javeri
Director Finance,
LUMHS, Jamshoro
Member

Engr. Mukesh Kumar Vasu
Assistant Engineer,
SABS University, Jamshoro
External Member

Engr. Gulzar Ahmed
Project Coordinator,
LUMHS, Jamshoro
Member / Secretary

Mr. Abdul Rauf Shaikh
Director I (Services)
LUMHS, Jamshoro
Co-opted Member

BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

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S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Techaccess Pakistan	M/s. Rockwell Enterprises	M/s. MB Communication
1	2	3	10	11	12
1.0	NTN Certificate	Mandatory	√	√	√
2.0	Registration with Sindh Revenue Board (Wherever applicable)	If Applicable	√	√	√
3.0	General Sales Tax Registration Certificate (GST)	Mandatory	√	√	√
4.0	Valid Professional Tax Certificate	If Applicable	N/A	N/A	N/A
5.0	Undertaking of Affidavit that the firm is not involved in any litigation of abandoned any procurement in the Department	Mandatory	√	√	√
6.0	Affidavit to the effect that the firm / supplier have not been blacklisted previously by any executing agency.	Mandatory	√	√	√
7.0	Certificate of Authorized Manufacturer is mandatory (MAL) Manufacturer Authorization Letter	Mandatory	√	√	√
8.0	Bid Security 2% of Bid Cost	Mandatory	√	√	√
9.0	Bid Signed & Stamped	Mandatory	√	√	√
10.0	Detail portfolio of Company Profile containing Introduction date of establishment. Company Profile containing Introduction date of establishment, experience (National / International Level) details of suppliers to various Institutions / International Level including of supplied Equipments Year of Establishment of firm 1 Up to 03 years 2 Marks 2 Up to 05 years 5 Marks 3 Up to 10 years 10 Marks	10	10	10	10
11.0	Current Financial Position (Bank statements & Audit Reports of last three years) Details of turnover (including interim of rupee) at least last three years that average turnover should not be less than 20 million per year as per annual returns 1. Bank Statement 05 Marks 2. Audit Reports 05 Marks	10	10	6	6
12.0	Availability of Services Center / (s) Provincial / relevant education regarding installation / repairing / service of equipment	10	8	10	10
13.0	Personal Experience of Technical Staff as per required / relevant education regarding installation / repairing / service of equipment	5	5	5	5
	Sub Total Marks	35	33	31	31

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1	2	3	10	11	12
	Equipment Technical Evaluation Criteria (Item wise)				
	Quoted Items		Lot # 1 Item # 7 (7.1) Lot # 3 Item # 4 (4.1 to 4.6) Item # 5 (5.1) Item # 6 (6.1 to 6.12)	All Items	All Items of Lot #1 & Lot #3
	LOT NO.1		LOT NO.1	LOT NO.1	LOT NO.1
1.0	Mini PC HP/Dell or Equivalent Branded Mini PC -Core i5, Latest Generation CPU (At least 4Core 8 Threads, Maximum Turbo Frequency 4.20GHz & 8MB , M.2SSD 256GB, 24 Inch IPS Frameless FHD LED Monitor with Keyboard and mouse		Mini PC Not Quoted	Mini PC Acer Veriton X (SFF), VX2710G 15-13400/8GB/256SSD/ODD & WLAN/ V247Y E/D OS/1 YR WTY Mini PC -Core i5, Latest Generation CPU (At least 4Core,8 Threads, Maximum Turbo Frequency 4.20GHz & 8MB , M.2SSD 256GB, 24 Inch IPS Frameless FHD LED Monitor with Keyboard and mouse	Mini PC Black Copper BCNU/CPC-i5 13G Branded Mini PC -Core i5, Latest Generation CPU (At least 4Core,8 Threads, Maximum Turbo Frequency 4.20GHz & 8MB , M.2SSD 256GB, 24 Inch IPS
2.0	Laptop		Laptop	Laptop	Laptop
2.1	HP/Dell or Equivalent Branded Laptop Core i7, Latest generation, 16GB RAM, 512GB SSD		Not Quoted	Acer TMP216-51-i7-1355U/16GB 512SSD/16" WUNGA IPS/WLAN/Dos/1 YR WTY Laptop Core i7, Latest generation, 16GB RAM, 512GB SSD.	LAPTOP HP PROBOOK 450G9 Branded Laptop Core i7, Latest generation, 16GB RAM, 512GB SSD Intel Core i7 1255U Turbo up to 3.5 GHz, 8GB, 512, FHD, AG+BI K/B Intel 9560 Ac2x2, FINGER PRINT, WEB CAM HD, DO, HP Carrying Case/Pike Silver Aluminum (1 year Warranty)
3.0	Printer - HP/ Equivalent		Printer - HP/ Equivalent	Printer - HP/ Equivalent	Printer - HP/ Equivalent
3.1	Printer speed 40PPM Processor 800MHZ, Memory 1GB, Resolution (print up to 1200 x1200 dpi) Interface (Hi-speed USB 2.0 PORT, Ethernet100/1000Mbps)		Not Quoted	HP 404dw Printer	PRINTER BP5100DW
4.0	Multimedia Projector - Maxel HP/Dell/Sony or Equivalent		Multimedia Projector - Maxel HP/Dell/Sony or Equivalent	Multimedia Projector - Maxel HP/Dell/Sony or Equivalent	Multimedia Projector - Maxel HP/Dell/Sony or Equivalent
4.1	Short-Throw Multimedia Projector 3000ANSI Lumens with WXGA Resolution, 3rd generation LED Technology Light source life (hours) with normal mode upto 30,000 Throw Ratio 49, Throw Ds 0.63M-1.58 Meter		Not Quoted	Panasonic PT-TW390 Short Through Projector Short-Throw Multimedia Projector 3000ANSI Lumens with WXGA Resolution, 3rd generation LED Technology Light source life (hours) with normal mode upto 30,000 Throw Ratio 49, Throw Ds 0.63M-1.58 Meter.	Multimedia Projector- Multimedia EPSONEX-513800lumens Short-Throw Multimedia Projector 3000ANSI Lumens with WXGA Resolution, 3rd generation LED Technology Light source life (hours) with normal mode upto 30,000 Throw Ratio 49, Throw Ds 0.63M-1.58 Meter.

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 7.9.23
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BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

Doc # LUMHS/PMU/563, Issue Date:31-08-2023

SSPRA ID # T01773-23-0001 Dated: 07-09-2023

Method & Procedure of Procurement: Single Stage - Two Envelope)

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Techaccess Pakistan	M/s. Rockwell Enterprises	M/s. MB Communication
			10	11	12
5	Photocopiers		Photocopiers	Photocopiers	Photocopiers
5.1	Speed: 55 PPM Max monthly duty cycle: 350,000 pages per month Resolution: copy 600x600 dpi Printer: Fast 1200 Mode Standard paper supply: 1500 x2 550 x2 100 sheet MPT Max paper size: 11 x 17" Max paper weight: 110 lb Index Original size: 11 x 17" Duplexing: Standards Network connectivity: Opt Print/10/100Base Tx, Opt.san10/100Base TX		Not Quoted	Sharp BP-50M55 Photocopier Speed: 55 PPM Max monthly duty cycle: 350,000 pages per month Resolution: copy 600x600 dpi Printer: Fast 1200 Mode Standard paper supply: 1500 x2 550 x2 100 sheet MPT Max paper size: 11 x 17" Max paper weight: 110 lb Index Original size: 11 x 17" Duplexing: Standards Network connectivity: Opt Print/10/100Base Tx, Opt.san10/100Base TX	Photocopier Machine BP-50M55 Speed: 55 PPM Max monthly duty cycle: 350,000 pages per month Resolution: copy 600x600 dpi Printer: Fast 1200 Mode Standard paper supply: 1500 x2 550 x2 100 sheet MPT Max paper size: 11 x 17" Max paper weight: 110 lb Index Original size: 11 x 17" Duplexing: Standards Network connectivity: Opt Print/10/100Base Tx, Opt.san10/100Base TX
6.0	Scanner			Scanner	Scanner
6.1	Universal Flatbed scanner scans up to 40 ppm/80 IPM Optical resolution: 600dpi scan to text .PDF Including 50 pages ADF and one-touch scanning custom setting small and slim desktop design.			Hp 3000 S4 Scanner Universal Flatbed scanner scans up to 40 ppm/80 IPM Optical resolution: 600dpi scan to text .PDF Including 50 pages ADF and one-touch scanning custom setting small and slim desktop design.	Scanner HP Pro 2600 F1 Universal Flatbed scanner scans up to 40 ppm/80 IPM Optical resolution: 600dpi scan to text .PDF Including 50 pages ADF and one-touch scanning custom setting small and slim desktop design.
7.0	Interactive Screens 65"		Interactive Screens 65" H3C 8K Interactive Display-S65	Interactive Screens 65" Smart Edu Serv Screen N65" with External PC, Aver VB130 4K Camera Pluggable, HTDZ Mic and Standard Rack	Interactive Screens 65" BLACK COPPER
7.1	• Display Size: 65" or higher • D-LED Backlight • Screen resolution: 8K Ultra-HD or higher • Resolution: 7680 x 4320 • Operation System: X86 Android 11 and Windows 11 dual system architecture • Fitting technology: Full Fit • CPU: 11th Gen Intel Core i5 • Memory: 16GB • Built-in Storage/ROM: 256 GB • Touch Type: Touch screen • Glass: 2mm thick • Touch Point: 20-point • Pixel: 33 million, 4x digital zoom • Response Time: < 12 ms • Touch Height: 2.5mm • Interfaces: HDMI IN x 1 (MAX 4K@60 Hz), Audio LINE IN x 1, HDMI OUT x 1, Audio LINE OUT x 1, RJ45 Ethernet Ports x 2, USB 3.0 on front panel x 1, USB 3.0 on rear panel x 3, Type-C Port x 1 • Audio pickup distance must be up to 8m or higher • Wi-Fi standard: IEEE 802.11a/b/g/n/ac/ax • Must include Bluetooth 5.0 • 4K Camera with auto exposure feature must be included. Camera mounting method must be pluggable • Wireless screen transmitter must be included • 8 Microphones Array must be included • Mobile Stand bracket must be included		H3C S6512C Cloud Touchscreen Appliance i5-1135G7/16GB/256GB SSD/Windows 11 IOT ENT+Android 11/2mm(Overseas Version) H3C VB01 4K Camera-Overseas Version H3C TC01 Wireless Screen Transmitter-Overseas Version H3C B002 Mobile Stand	Smart Edu Serv Screen N65" with External PC, Aser VB130 4 K Camera Pluggable, HTDZ Mic and Standard Rack • Display Size: 65" or higher • D-LED Backlight • Screen resolution: 8K Ultra-HD or higher • Resolution: 7680 x 4320 • Operation System: X86 Android 11 and Windows 11 dual system architecture • Fitting technology: Full Fit • CPU: 11th Gen Intel Core i5 • Memory: 16GB • Built-in Storage/ROM: 256 GB • Touch Type: Touch screen • Glass: 2mm thick • Touch Point: 20-point • Pixel: 33 million, 4x digital zoom • Response Time: < 12 ms • Touch Height: 2.5mm • Interfaces: HDMI IN x 1 (MAX 4K@60 Hz), Audio LINE IN x 1, HDMI OUT x 1, Audio LINE OUT x 1, RJ45 Ethernet Ports x 2, USB 3.0 on front panel x 1, USB 3.0 on rear panel x 3, Type-C Port x 1 • Audio pickup distance must be up to 8m or higher • Wi-Fi standard: IEEE 802.11a/b/g/n/ac/ax • Must include Bluetooth 5.0 • 4K Camera with auto exposure feature must be included. Camera mounting method must be pluggable	• Display Size: 65" or higher • D-LED Backlight • Screen resolution: 8K Ultra-HD or higher • Resolution: 7680 x 4320 • Operation System: X86 Android 11 and Windows 11 dual system architecture • Fitting technology: Full Fit • CPU: 11th Gen Intel Core i5 • Memory: 16GB • Built-in Storage/ROM: 256 GB • Touch Type: Touch screen • Glass: 2mm thick • Touch Point: 20-point • Pixel: 33 million, 4x digital zoom • Response Time: < 12 ms • Touch Height: 2.5mm • Interfaces: HDMI IN x 1 (MAX 4K@60 Hz), Audio LINE IN x 1, HDMI OUT x 1, Audio LINE OUT x 1, RJ45 Ethernet Ports x 2, USB 3.0 on front panel x 1, USB 3.0 on rear panel x 3, Type-C Port x 1 • Audio pickup distance must be up to 8m or higher • Wi-Fi standard: IEEE 802.11a/b/g/n/ac/ax • Must include Bluetooth 5.0 • 4K Camera with auto exposure feature must be included. Camera mounting method must be pluggable

Handwritten signatures and initials in blue ink.

Method & Procedure of Procurement: Single Stage - Two Envelope

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S.No	Mandatory Provision / Eligibility	Total Marks	M/s. Techaccess Pakistan	M/s. Rockwell Enterprises	M/s. MB Communication
1	2	3	10	11	12
	LOT NO.2		LOT NO.2	LOT NO.2	LOT NO.2
1.0	OMR Scanner		OMR Scanner	OMR Scanner	OMR Scanner
1.1			Not Quoted	Kodaks-3120 Max Scanner with Remark office OMR Software Reading speed: Approx x 3500 pages Form Input: 500 forms Communication interface: USB 2.0 / RS-232C serial interface, Reading Head: Pen Pencil and all standard options, OMR-Reading software: Remarks Classic	Not Quoted
	LOT No. 3		LOT No. 3	LOT No. 3	LOT No. 3
1.0	Uninterruptible Power Supply (UPS) & Electric DB.		Uninterruptible Power Supply (UPS) & Electric DB.	Uninterruptible Power Supply (UPS) & Electric DB.	Uninterruptible Power Supply (UPS) & Electric DB.
1.1	UPS True On-Line, 3kVA, Lithium-ion, Rack mount 4U, 230V, 6 IEC C13 + 1 IEC C19 outlets, Intelligent Card Slot, Extended runtime, W/ rail kit complete.		Not Quoted	Stabmatic 3KVA UPS UPS True On-Line, 3kVA, Lithium-ion, Rack mount 4U, 230V, 6 IEC C13 + 1 IEC C19 outlets, Intelligent Card Slot, Extended runtime, W/ rail kit complete.	Attom 3 KVA UPS UPS True On-Line, 3kVA, Lithium-ion, Rack mount 4U, 230V, 6 IEC C13 + 1 IEC C19 outlets, Intelligent Card Slot, Extended runtime, W/ rail kit complete.
1.2	UPS True On-Line, 10kVA/10kW, Rackmount 5U, 230V, Hard wire 3-wire (IP+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.		Not Quoted	Stabmatic 10 KVA UPS UPS True On-Line, 10kVA/10kW, Rackmount 5U, 230V, Hard wire 3-wire (IP+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.	Attom 10 KVA UPS U-010R11H UPS True On-Line, 10kVA/10kW, Rackmount 5U, 230V, Hard wire 3-wire (IP+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.
1.3	UPS True On-Line, 20kVA/20kW, Rackmount 230V, Hard wire 3-wire (IP+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.		Not Quoted	APC 20 KVA UPS UPS True On-Line, 20kVA/20kW, Rackmount 230V, Hard wire 3-wire (IP+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.	Attom 20 KVA UPS U-020R33H UPS True On-Line, 20kVA/20kW, Rackmount 230V, Hard wire 3-wire (IP+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.
1.4	32 Amps Industrial socket 3 pins (Pair)for Racks		Not Quoted	Schneider 32 Amps Industrial socket 3 pins (Pair)for Racks	SCHNIDER 32 Amps Industrial socket 3 pins (Pair)for Racks
1.5	6 Sqmm x 3C electric cable (RM) Rack		Not Quoted	Siemens 6 Sqmm x 3C electric cable (RM) Rack	Pakistan Cable 6 Sqmm x 3C electric cable (RM) Rack
1.6	60 Amps Industrial socket 5 pins (Pair) for UPS (SCHNEIDER or equivalent)		Not Quoted	schneider 60 Amps Industrial socket 5 pins (Pair) for UPS (SCHNEIDER or equivalent)	SCHNIDER 60 Amps Industrial socket 5 pins (Pair) for UPS (SCHNEIDER or equivalent)
1.7	16Sqmm x 4C electric cable (RM) UPS		Not Quoted	Siemens 16Sqmm x 4C electric cable (RM) UPS	Pakistan Cable 16Sqmm x 4C electric cable (RM) UPS

Handwritten signatures and initials in blue ink, including a large signature on the left and several smaller ones to the right.

Method & Procedure of Procurement: Single Stage - Two Envelope

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Techaccess Pakistan	M/s. Rockwell Enterprises	M/s. MB Communication
1	2	3	10	11	12
1.8	UPS Distribution box		UPS Distribution box	UPS Distribution box	UPS Distribution box
	UPS Distribution Box (Output) DB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 450 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input -6 (SCHNEIDER / TERASAKI/ ABB or equivalent)		Not Quoted	DB 16gauge Breaker TARASAKI UPS Distribution Box (Output) DB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 450 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input -6	UPS Distribution Box (Output) DB Local Fabricated DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 450 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input -6 (SCHNEIDER / TERASAKI/ ABB or equivalent)
1.9	UPS Distribution Box (Input) DB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 700 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input -10 (SCHNEIDER / TERASAKI/ ABB or equivalent)		Not Quoted	DB 16gauge Breaker TARASAKI UPS Distribution Box (Input) DB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 700 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input -10 (SCHNEIDER / TERASAKI/ ABB or equivalent)	UPS Distribution Box (Input) DB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 700 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input -10 (SCHNEIDER / TERASAKI/ ABB or equivalent)
1.10	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Not Quoted	As Per Requirement Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)
2.0	Passive Network		Not Quoted	Passive Network	Passive Network
2.1	CAT-6 UTP, 23AWG, LSOH, Delta- EC certified, cables, for data from Com Rack to each workstation in already laid 25 mm dia PVC conduit, channel or trench as per drawings including termination and tagging at both ends. Complete in all respects. (Coil) (3M / SCHNEIDER / LEVINTON or equivalent)		Not Quoted	3M CAT-6 UTP, 23AWG, LSOH, Delta- EC certified, cables, for data from Com Rack to each workstation in already laid 25 mm dia PVC conduit, channel or trench as per drawings including termination and tagging at both ends. Complete in all respects. (Coil) (3M / SCHNEIDER / LEVINTON or equivalent)	VIVANCO CAT-6, UTP, 23AWG, LSOH, Delta- EC certified, cables, for data from Com Rack to each workstation in already laid 25 mm dia PVC conduit, channel or trench as per drawings including termination and tagging at both ends. Complete in all respects. (Coil) (3M / SCHNEIDER / LEVINTON or equivalent)
2.2	Simplex UK style angled Face plate with 1 No. CAT-6 UTP RJ-45 I/O durability 30 termination cycle. Complete with shuttered click-ins, labels, contact resistance not more than 20M ohms and all accessories but including back box		Not Quoted	3M Simplex UK style angled Face plate with 1 No. CAT-6 UTP RJ-45 I/O durability 30 termination cycle. Complete with shuttered click-ins, labels, contact resistance not more than 20M ohms and all accessories but including back box.	VIVANCO Simplex UK style angled Face plate with 1 No. CAT-6 UTP RJ-45 I/O durability 30 termination cycle. Complete with shuttered click-ins, labels, contact resistance not more than 20M ohms and all accessories but including back box.
2.3	CAT-6 Patch Panels 24 port equipped with RJ-45 I/O durability 30 termination cycles. Data communication system with cable organizer including all labelling and all mounting accessories. Complete in all respects		Not Quoted	3M CAT-6, Patch Panels 24 port equipped with RJ-45 I/O durability 30 termination cycles. Data communication system with cable organizer including all labelling and all mounting accessories. Complete in all respects.	VIVANCO CAT-6, Patch Panels 24 port equipped with RJ-45 I/O durability 30 termination cycles. Data communication system with cable organizer including all labelling and all mounting accessories. Complete in all respects.
2.4	Supply of RM 19' Cable Manger		Not Quoted	3M Plastic Body Supply of RM 19' Cable Manger	VIVANCO Supply of RM 19' Cable Manger
2.5	CAT-6 UTP PVC factory certified patch cords 1 meter long having RJ-45 connectors at both ends for data communication. (3M/Equ)		Not Quoted	3M CAT-6 UTP PVC factory certified patch cords 1 meter long having RJ-45 connectors at both ends for data communication. (3M/Equ)	VIVANCO CAT-6 UTP PVC factory certified patch cords 1 meter long having RJ-45 connectors at both ends for data communication. (3M/Equ)

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Method & Procedure of Procurement: Single Stage - Two Envelope)

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

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S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Techaccess Pakistan	M/s. Rockwell Enterprises	M/s. MB Communication
1	2	3	10	11	12
2.6	CAT-6 UTP PVC factory certified patch cords 3 meter long having RJ-45 connectors at both ends for data communication. (3M/eq)		Not Quoted	JM CAT-6 UTP PVC factory certified patch cords 3 meter long having RJ-45 connectors at both ends for data communication. (3M/eq)	VIVANCO CAT-6 UTP PVC factory certified patch cords 3 meter long having RJ-45 connectors at both ends for data communication. (3M/eq)
2.7	Testing and commissioning of all above items termination and connectivity at both ends including submission of detailed test report from the Principals (Services)		Not Quoted	Testing and commissioning of all above items termination and connectivity at both ends including submission of detailed test report from the Principals (Services)	UTP Installation Testing and commissioning of all above items termination and connectivity at both ends including submission of detailed test report from the Principals (Services)
3.0	Optical Fiber Passive Network		Optical Fiber Passive Network	Optical Fiber Passive Network	Optical Fiber Passive Network
3.1	Fiber Patch Cord Duplex LC/PC LC/PC Patch Cord OM3 Cord 10meters		Not Quoted	K Tech Fiber Patch Cord Duplex LC/PC LC/PC Patch Cord OM3 Cord 10meters	VIVANCO Fiber Patch Cord Duplex LC/PC LC/PC Patch Cord OM3 Cord 10meters
3.2	Fiber Patch Card Duplex LC/PC- LC/PC Patch Cord 052LSZH 3 Meters		Not Quoted	K Tech Fiber Patch Card Duplex LC/PC- LC/PC Patch Cord 052LSZH 3 Meters	VIVANCO Fiber Patch Card Duplex LC/PC- LC/PC Patch Cord 052LSZH 3 Meters
3.3	Fiber Optic Armored 6Core SO2 Cable Single Mode with Steel Tape		Not Quoted	K Tech Fiber Optic Armored 6Core SO2 Cable Single Mode with Steel Tape	VIVANCO Fiber Optic Armored 6Core SO2 Cable Single Mode with Steel Tape
3.4	Fiber optic 6 Core Multimode OM3 indoor cables (RM)		Not Quoted	Schneider Fiber optic 6 Core Multimode OM3 indoor cables (RM)	VIVANCO Fiber optic 6 Core Multimode OM3 indoor cables (RM)
3.5	48 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 48 Nos of LC Duplex Adaptor and 48 Nos of LC Pigtaills		Not Quoted	K Tech 48 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 48 Nos of LC Duplex Adaptor and 48 Nos of LC Pigtaills	VIVANCO 48 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 48 Nos of LC Duplex Adaptor and 48 Nos of LC Pigtaills
3.6	24 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 24 Nos of LC Duplex Adaptor and 24 Nos of LC Pigtaills		Not Quoted	K Tech 24 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 24 Nos of LC Duplex Adaptor and 24 Nos of LC Pigtaills	VIVANCO 24 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 24 Nos of LC Duplex Adaptor and 24 Nos of LC Pigtaills
3.7	12 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 12 Nos of LC Duplex Adaptor and 12 Nos of LC Pigtaills		Not Quoted	K Tech 12 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 12 Nos of LC Duplex Adaptor and 12 Nos of LC Pigtaills	VIVANCO 12 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 12 Nos of LC Duplex Adaptor and 12 Nos of LC Pigtaills
3.8	15U Wall Mountable Rack, 540mmx500mm (Double Section) with PDUs (12 port flat pin UK Type 13AMP)		Not Quoted	Rack 8 Port Flat Pin PDU 15U Wall Mountable Rack, 540mmx500mm (Double Section) with PDUs (12 port flat pin UK Type 13AMP)	VIVANCO 15U Wall Mountable Rack, 540mmx500mm (Double Section) with PDUs (12 port flat pin UK Type 13AMP)
3.9	42U Data Rack 800mmx1000mm (Double Section) with PDUs (24 port flat pin UK Type 13AMP)		Not Quoted	As Required with 8 x 3 Port PDU 42U Data Rack 800mmx1000mm (Double Section) with PDUs (24 port flat pin UK Type 13AMP)	VIVANCO 42U Data Rack 800mmx1000mm (Double Section) with PDUs (24 port flat pin UK Type 13AMP)
3.10	Testing and commissioning of all above items termination and connectivity at both ends including submission of detailed test report from the Principals (Services)		Not Quoted	As Per Requirement Testing and commissioning of all above items termination and connectivity at both ends including submission of detailed test report from the Principals (Services)	FIBER Installation Testing and commissioning of all above items termination and connectivity at both ends including submission of detailed test report from the Principals (Services)

Handwritten signatures and initials in blue ink.

Method & Procedure of Procurement: Single Stage - Two Envelope)
 NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

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S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Techaccess Pakistan	M/s. Rackwell Enterprises	M/s. MB Communication
1	2	3	10	11	12
4.0	Active Network Cisco/Huawei or Equivalent		Active Network Cisco/Huawei or Equivalent	Active Network Cisco/Huawei or Equivalent	Active Network Cisco/Huawei or Equivalent
4.1	24 Port Distribution Switch 24 Port SFP+ Supported Redundant Power Supply amust dual core, RAM 1 GB or higher Flash 512MB or higher. Qos Support embedded free NMS, At least 03Years equipment replacement Warranty		H3C S6520X-26C-S1L3 Ethernet Switch with 24*1G/10G Base-X SFP Plus Ports and 1*Slot, Without Power Supplies ASSY.CORD.AC, IEC TO IEC 75W AC Pluggable Power Supply Module Single Cable, Console Serial Port Cable, 1.8m, D9F,28UL20276(4P)(P296U),MPH-8P8C CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT	Huawei S5731-S32ST4X 24 Port Distribution Switch 24 Port SFP+ Supported Redundant Power Supply amust dual core, RAM 1 GB or higher Flash 512MB or higher Qos Support embedded free NMS, At least 03Years equipment replacement Warranty	24 Port Switch H3C S5170-54S-EI-L2 Ethernet Switch with LS-5170-54S-EI-GL 48*10/100/1000BASE-T Ports and 6*1G/10G BASE-X SFP Plus Ports, (AC) Single Cable, Console Serial Port Cable, 1.8m, D9F,28UL20276(4P)(P296U),MPH-8P8C CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT
4.2	48 Port Switch 48 Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty		48 Port Switch H3C S5170-54S-EI-L2 Ethernet Switch with LS-5170-54S-EI-GL 48*10/100/1000BASE-T Ports and 6*1G/10G BASE-X SFP Plus Ports, (AC) Single Cable, Console Serial Port Cable, 1.8m, D9F,28UL20276(4P)(P296U),MPH-8P8C CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT	Linksys LGS32C 48 Port Switch 48 Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty	S5170-EI Switch # 1----- H3C 48 Port Switch 48 Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty
4.3	24 Port Switch 24GE Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty		24 Port Switch H3C S5170-28S-EI-L2 Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1G/10G BASE-X SFP Plus Ports, (AC) Single Cable, Console Serial Port Cable, 1.8m, D9F,28UL20276(4P)(P296U),MPH-8P8C CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT	Linksys LGS32C 24 Port Switch 24GE Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty	S5170-EI Switch # 1----- H3C 24 Port Switch 24GE Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty
4.4	24 Port Switch 24GE Port with 4 SFP+ Supported POE NMS supported, At least 03Years equipment replacement warranty		24 Port Switch H3C S5170-28S-HPWR-EI L2 Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1G/10G BASE-X SFP Plus Ports, (AC), PoE+ Single Cable, Console Serial Port Cable, 1.8m,D9F,28UL20276(4P) (P296U), MPH-8P8C CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT INT	Linksys LGS32C 24 Port Switch 24GE Port with 4 SFP+ Supported POE NMS supported, At least 03Years equipment replacement warranty	S5170-EI Switch # 1----- H3C 24 Port Switch 24GE Port with 4 SFP+ Supported POE NMS supported, At least 03Years equipment replacement warranty
4.5	SFP-10G-LR Single mode		SFP+ Module(1310nm, 10km,LC) -INT CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT	Cisco SFP-10G-LR Single mode	Imported Compatible SFP-10G-LR Single mode

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BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Method & Procedure of Procurement: Single Stage - Two Envelope)

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/A. Techaccess Pakistan			
			10	11	12	13
4.6	SFP-10G-SR Multimode		SFP+ Module(850nm, 300m,LC) -INT CT-Foundation Basic Service 1Y 5x9 Next Business Day- S, INT	Cisco SFP-10G-SR Multimode	Imported Compatible SFP-10G-SR Multimode	
5.0	Wireless (Access Point) Cisco/Huawei or Equivalent		Wireless (Access Point) Huawei	Wireless (Access Point) Cisco/Huawei or Equivalent	Wireless (Access Point) Ubiquiti	
5.1	802.11 AC Enterprise WiFi Access Points POE Based		H3C WA6320 Internal Antennas 4 Streams Dual Radio 802.11ax/a/c/n Access Point, FIT CT-Foundation Basic Service 1Y 5x9 Next Business Day- S, INT	D-link DAP-2610 802.11 AC Enterprise WiFi Access Points POE Based	Ubiquiti Wireless Access Point 802.11 AC Enterprises WiFi Access Point POE based	
6.0	Rack Server - HP / Dell or Equivalent 2U2 Socket		Rack Server H3C R4900 G5	Rack Server Dell R750s	Rack Server H3C R4900 G5	
6.1	Device : 2 Socket Rack Mounted Server		Device : 2 Socket Rack Mounted Server	Device : 2 Socket Rack Mounted Server	Device : 2 Socket Rack Mounted Server	
6.2	Processor 2x Intel -Xeon Silver 4310I 2.3G, 10C/20T, 10.4GT/s, 15M Cache Equivalent or Higher		R4900G5S Rack Server H3C UniServer R4900 G5 SFF CTO Server H3C UniServer R4900 G5 4314(2.4GHz/16Cores/24MB/135W)CPU Module ASSY.CORD.AC, IEC TO IEC G5 2U 6038 Fan Module (CTO&BTO) G5 Front 2*M 2.2280/22110 Riser Module (CTO&BTO) 2-G5 G5 2U X16XXX8 Riser(Slot1/2)(Supporting 2*FHFL and 1*FHFL,Supporting 1*300W GPU)(CTO&BTO) 12Gb 2 Ports SAS RAID Controller(With 4GB Cache, Supporting 8 SAS Ports, PCIe, No Supercapacitor) (FIO) 2-Port 10GE Fiber Interface Ethernet Adapter(SFP+)- 530F-B2 Power Cable with straight mode connector(3m,type G), for England ASSY.CORD.AC, IEC TO IEC HMB(6*1)1 25,UL2835:HMB(6*1)1 25 G5 2U 6038 Fan Module (CTO&BTO) G5 Front 2*M 2.2280/22110 Riser Module (CTO&BTO) H3C UniServer G5 2U Mounting Bracket Kit(For Use with Intelligent Security Bezel) (CTO&BTO)	Processor 2x Intel -Xeon Silver 4310I 2.3G, 10C/20T, 10.4GT/s, 15M Cache Equivalent or Higher	R4900G5S Rack Server H3C UniServer R4900 G5 SFF CTO Server H3C UniServer R4900 G5 4314(2.4GHz/16Cores/24MB/135W)CPU Module ASSY.CORD.AC, IEC TO IEC G5 2U 6038 Fan Module (CTO&BTO) G5 Front 2*M 2.2280/22110 Riser Module (CTO&BTO) 2-G5 G5 2U X16XXX8 Riser(Slot1/2)(Supporting 2*FHFL and 1*FHFL,Supporting 1*300W GPU)(CTO&BTO) 12Gb 2 Ports SAS RAID Controller(With 4GB Cache, Supporting 8 SAS Ports, PCIe, No Supercapacitor) (FIO) 2-Port 10GE Fiber Interface Ethernet Adapter(SFP+)- 530F-B2 Power Cable with straight mode connector(3m,type G), for England ASSY.CORD.AC, IEC TO IEC HMB(6*1)1 25,UL2835:HMB(6*1)1 25 G5 2U 6038 Fan Module (CTO&BTO) G5 Front 2*M 2.2280/22110 Riser Module (CTO&BTO) H3C UniServer G5 2U Mounting Bracket Kit(For Use with Intelligent Security Bezel) (CTO&BTO)	

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NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Method & Procedure of Procurement: Single Stage - Two Envelope

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	Date of Technical Proposal Opening: 25-09-2023		M/s. MB Communication
			M/s. Techaccess Pakistan	M/s. Rackwell Enterprise	
1	2	3	10	11	12
6.3	Memory 8 x 16GB RDIMM, 3200MT/s, Dual Rank, ECC Registered Memory - Equivalent or Higher		HVC Server Installation and Startup Service, Global Version	Memory 8 x 16GB RDIMM, 3200MT/s, Dual Rank, ECC Registered Memory - Equivalent or Higher	HVC Server Installation and Startup Service, Global Version
6.4	M.2 Card 1 x BOSS Card/ 2x240GB SSD M.2 SATA		HVC R4900 G5 Custom Module for Special International Delivery Module (CMCTO) 480GB SATA R1ER2GD M.2 SSD Module(CMCTO) 2U Cable Management Bracket	M.2 Card 1 x BOSS Card/ 2x240GB SSD M.2 SATA	HVC R4900 G5 Custom Module for Special International Delivery Module (CMCTO) 480GB SATA R1ER2GD M.2 SSD Module(CMCTO) 2U Cable Management Bracket
6.5	Disk 6x 1.92TB SSD SAS 2.5" 12Gbps ReadIntensive-PM6 in 3.5" Adapter 2.5" Equivalent or Higher MAX support 25 Disk Days, Minimum 8 SAS 10K, 15K RPM, 12Gbps, equivalent or higher. Also should support M.2 with separate RAID card for OS Boot and Various other Disk Such as, NL-SAS, SSD SAS/SATA, PCI NVME.		HVC UniServer G5 2U Intelligent Security Bezel (CTO&BTO) G5 2U/1U Ball Bearing Rail Kit(CTO&BTO)	Disk 6x 1.92TB SSD SAS 2.5" 12Gbps ReadIntensive-PM6 in 3.5" Adapter 2.5" Equivalent or Higher MAX support 25 Disk Days, Minimum 8 SAS 10K, 15K RPM, 12Gbps, equivalent or higher. Also should support M.2 with separate RAID card for OS Boot and Various other Disk Such as, NL-SAS, SSD SAS/SATA, PCI NVME.	HVC UniServer G5 2U Intelligent Security Bezel (CTO&BTO) G5 2U/1U Ball Bearing Rail Kit(CTO&BTO)
6.6	RAID Controller Storage Controller RAID Controller 9460-8i PCI RAID, 4GB Cache Supports RAID 0, 1, 10, 5, 50, 6, or 60, optional supercapacitor for cache, datapower failure protection, RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration.			RAID Controller Storage Controller RAID Controller 9460-8i PCI RAID, 4GB Cache Supports RAID 0, 1, 10, 5, 50, 6, or 60, optional supercapacitor for cache, datapower failure protection, RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration.	
6.7	Network Adapter 4x GE port AVAGO and XIP312 INTEL 4*10GE Optical Interface NIC(Intel XL710 Chipset)(With 4ps Multi-mode Optical Transceiver) or Higher Provides expansion capability of multiple types of networks. Provides the OCP3.0 network adapter. The two FlexIO card slots support two OCP 3.0 network adapters respectively, which can be configured as required. Hot swappable function supported.			Network Adapter 4x GE port AVAGO and XIP312 INTEL 4*10GE Optical Interface NIC(Intel XL710 Chipset)(With 4ps Multi-mode Optical Transceiver) or Higher Provides expansion capability of multiple types of networks. Provides the OCP3.0 network adapter. The two FlexIO card slots support two OCP 3.0 network adapters respectively, which can be configured as required. Hot swappable function supported.	
6.8	Power Supply Redundant hot-swappable high efficiency AC power supply or higher in full configuration			Power Supply Redundant hot-swappable high efficiency AC power supply or higher in full configuration	

Handwritten signatures and initials:
 A. J. G. H. (Signature)
 J. P. (Signature)
 M. (Signature)
 L. (Initial)

BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Method & Procedure of Procurement: Single Stage - Two Envelope)

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/s. Techaccess Pakistan	M/s. Rockwell Enterprises	M/s. MB Communication
1	2	3	10	11	12
6.9	Stability: Support long-term operating temperature under specific conditions			Stability: Support long-term operating temperature under specific conditions	
6.10	<p>Manageability and maintainability</p> <ul style="list-style-type: none"> Supports integrated system management Automatically restarts servers Monitors and controls fan modules, power supplies, and temperature Starts and shuts down servers Restarts servers in sequence Updates local firmware Records error logs Provides a visualization tool Provides GUIs for management and other advanced management functions <p>Provides independent remote management and control ports and GUIs for remote monitoring to implement remote full control over servers, independently of OS. Remote full control includes remote startup, shutdown, and reset, and virtual floppy and DVD-ROM drives</p> <ul style="list-style-type: none"> Support the function for logging in to the board management system through certification based on both client certificates and certificate passwords. A white paper and official website proof materials are required The bidding product supports out-of-band fault detection, does not rely on the OS, and can analyze and locate faults such as CPU, I2C and IPMB bus, memory, PCIe device, and hard drive faults, system crash, black screen, blue screen, and abnormal reboot. A white paper and official website proof materials are required The bidding product can collect out-of-band hardware fault information, analyze faults, generate alarms, and export logs by using the out-of-band management module. 		<p>Manageability and maintainability</p> <ul style="list-style-type: none"> Supports integrated system management Automatically restarts servers Monitors and controls fan modules, power supplies, and temperature Starts and shuts down servers Restarts servers in sequence Updates local firmware Records error logs Provides a visualization tool Provides GUIs for management and other advanced management functions <p>Provides independent remote management and control ports and GUIs for remote monitoring to implement remote full control over servers, independently of OS. Remote full control includes remote startup, shutdown, and reset, and virtual floppy and DVD-ROM drives</p> <ul style="list-style-type: none"> Support the function for logging in to the board management system through certification based on both client certificates and certificate passwords. A white paper and official website proof materials are required The bidding product supports out-of-band fault detection, does not rely on the OS, and can analyze and locate faults such as CPU, I2C and IPMB bus, memory, PCIe device, and hard drive faults, system crash, black screen, blue screen, and abnormal reboot. A white paper and official website proof materials are required The bidding product can collect out-of-band hardware fault information, analyze faults, generate alarms, and export logs by using the out-of-band management module, automatically locate the fault source and provide solutions by using the fault database. A 		
6.11	<p>Compatibility:</p> <p>Supports mainstream operating systems, such as Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle Linux, Ubuntu, Debian, openEuler, etc.</p>			<p>Compatibility:</p> <p>Supports mainstream operating systems, such as Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle Linux, Ubuntu, Debian, openEuler, etc.</p>	

BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

Method & Procedure of Procurement: Single Stage - Two Envelope

SSPRA ID # T01773-23-0001 Dated: 07-09-2023

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	Date of Technical Proposal Opening: 25-09-2023		
			M/s. Techaccess Pakistan	M/s. Rockwell Enterprises	M/s. MB Communications
1	2	3	10	11	12
6.12	Reliability Long-term operating temperature: 5°C to 45°C (41°F to 113°F) (ASHRAE Classes A1 to A4 compliant)			Reliability Long-term operating temperature: 5°C to 45°C (41°F to 113°F) (ASHRAE Classes A1 to A4 compliant)	
7.0	FM 200 fire suppression system for Data Center		FM 200 fire suppression system for Data Center	FM 200 fire suppression system for Data Center AKRONEX HFC-227ea	FM 200 fire suppression system for Data Center
7.1	MECHANICAL PART: Cylinder 27 Liters Valve included Manual Operated Actuator 24 Vdc. Solenoid valve Wall Mounting Bracket Discharge Hose and Adapter TPED CERTIFICATED SEAMLESS STEEL CYLINDER 40Ltr		Not Quoted	MECHANICAL PART: Cylinder 27 Liters Valve included Manual Operated Actuator 24 Vdc. Solenoid valve Wall Mounting Bracket Discharge Hose and Adapter TPED CERTIFICATED SEAMLESS STEEL CYLINDER 40Ltr	40 Liter MECHANICAL PART: Cylinder 27 Liters Valve included Manual Operated Actuator 24 Vdc. Solenoid valve Wall Mounting Bracket Discharge Hose and Adapter TPED CERTIFICATED SEAMLESS STEEL CYLINDER 40Ltr
7.2	Low pressure switch			Low pressure switch	Low pressure switch
7.3	HFC-227ea FM200 gas UL/FM listed. Per KG Prices. Room Size: L 12' x W 14' x H 12' RF 12" (Kg)		Not Quoted	HFC-227ea FM200 gas UL/FM listed. Per KG Prices. Room Size: L 12' x W 14' x H 12' RF 12" (Kg)	Ways mos HFC-227ea HFC-227ea FM200 gas UL/FM listed. Per KG Prices. Room Size: L 12' x W 14' x H 12' RF 12" (Kg)
7.4	CENTRAL NOZZLE		Not Quoted	CENTRAL NOZZLE	NOZZLE CENTRAL NOZZLE
7.5	CAUTION-ROOM PROTECTED		Not Quoted	CAUTION-ROOM PROTECTED	D110 CAUTION-ROOM PROTECTED
7.6	2 zone EP extinguishant control panel (to BS/EN12094-1) c/w 3A EN54-4 PSU & 128 x64 pixel graphical LCD display. LPCB Approved - Branded.		Not Quoted	2 zone EP extinguishant control panel (to BS/EN12094-1) c/w 3A EN54-4 PSU & 128 x64 pixel graphical LCD display. LPCB Approved - Branded.	EP203 / CON 2 zone EP extinguishant control panel (to BS/EN12094-1) c/w 3A EN54-4 PSU & 128 x64 pixel graphical LCD display. LPCB Approved - Branded.
7.7	12V7ah battery		Not Quoted	12V7ah battery	Local Available 2V7ah battery

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 Method & Procedure of Procurement: Single Stage - Two Envelope)

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S.No	Mandatory Provision / Eligibility	Total Marks	Mix. Techaccess Pakistan	Mix. Rockwell Enterprise	Mix. MTR Communication
1	2	3	10	11	12
7.8	Approved EN54 LPCB CE Multi-Purpose Smoke Detector with base Voltage range 12 - 30V DC. Sensitivity Setting. Comply to EN54		Not Quoted	Approved EN54 LPCB CE Multi-Purpose Smoke Detector with base Voltage range 12 - 30V DC. Sensitivity Setting. Comply to EN54	EN54-126 Inc - EN54-126 Inc Approved EN54 LPCB CE Multi-Purpose Smoke Detector with base Voltage range 12 - 30V DC. Sensitivity Setting. Comply to EN54
7.9	Remote Indicating Lamp CE, UL		Not Quoted	Remote Indicating Lamp CE, UL	AH-413 Remote Indicating Lamp CE, UL
7.10	Electronic Sounder		Not Quoted	Electronic Sounder	CPBF3MFR Electronic Sounder
7.11	Electronic Sounder with Flasher		Not Quoted	Electronic Sounder with Flasher	FL-108-POS-EA Electronic Sounder with Flasher
7.12	Manual call point for Gas Release		Not Quoted	Manual call point for Gas Release	FL-108-POS-EA Manual call point for Gas Release
7.13	Yellow Extinguishant Abort button with back box		Not Quoted	Yellow Extinguishant Abort button with back box	Abort Yellow Extinguishant Abort button with back box
7.14	Yellow Extinguishant Abort button with back box		Not Quoted	Yellow Extinguishant Abort button with back box	CFI-105-001 Yellow Extinguishant Abort button with back box
7.15	PSTN/GSM communicator and reserve line generator. Dialler feature manages 10 telephone numbers and provides 10 editable message slots.		Not Quoted	PSTN/GSM communicator and reserve line generator. Dialler feature manages 10 telephone numbers and provides 10 editable message slots.	Smart Link- Adv / GP PSTN/GSM communicator and reserve line generator. Dialler feature manages 10 telephone numbers and provides 10 editable message slots.
7.16	1" schedule 40 pipe with accessories (RFT)		Not Quoted	1" schedule 40 pipe with accessories (RFT)	1" schedule 40 pipe with accessories (RFT)
7.17	Installation and commissioning of all above FM200 system (Job)		Not Quoted	Installation and commissioning of all above FM200 system (Job)	Installation and commissioning of all above FM200 system (Job)
8.0	Access Control System		Access Control System	Access Control System	Access Control System
8.1	One touch, that's all it takes for access control with biometric reader that offer the flexibility to be installed standalone or with any third party panel that supports 26-bit Wiegand.		Not Quoted	ZKTEco Uface 800 One touch, that's all it takes for access control with biometric reader that offer the flexibility to be installed standalone or with any third party panel that supports 26-bit Wiegand.	ZKTEco Uface 800 One touch, that's all it takes for access control with biometric reader that offer the flexibility to be installed standalone or with any third party panel that supports 26-bit Wiegand.
8.2	Electric magnetic lock with holding force 500lbs with enclosure		Not Quoted	Electric magnetic lock with holding force 500lbs with enclosure.	Local Available Electric magnetic lock with holding force 500lbs with enclosure.
8.3	Centralized controller • 100,000 cards and 300,000 events storage • Communication via TCP/IP, ISUP5.0 and RS-485 • ISAPI, OSDP supported • 10reader access control • Alarm input/output and alarm event upload • RS-485 interface and Wiegand interface for accessing card reader • UL294 Standard Qualified • Supports battery access		Not Quoted	AMT AMF-4D Access Controller Centralized controller • 100,000 cards and 300,000 events storage • Communication via TCP/IP, ISUP5.0 and RS-485 • ISAPI, OSDP supported • 10reader access control • Alarm input/output and alarm event upload • RS-485 interface and Wiegand interface for accessing card reader • UL294 Standard Qualified • Supports battery access	ZKTEco Uface 800 Centralized controller • 100,000 cards and 300,000 events storage • Communication via TCP/IP, ISUP5.0 and RS-485 • ISAPI, OSDP supported • 10reader access control • Alarm input/output and alarm event upload • RS-485 interface and Wiegand interface for accessing card reader • UL294 Standard Qualified • Supports battery access
8.4	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Not Quoted	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)
1.0	Conformance to the specification	40	25	25	20

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Method & Procedure of Procurement: Single Stage - Two Envelope


Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	Date of Technical Proposal Opening: 25-09-2023		
			M/s. Techaccess Pakistan	M/s. Rockwell Enterprises	M/s. MB Communication
1	Qualified in Items		Lot # 1 Item # 7 (7.1) Lot # 3 Item # 4 (4.1 to 4.6) Item # 5 (5.1) Item # 6 (6.1 to 6.12)	Lot # 1 Item # 1 (1.1) Item # 2 (2.1) Item # 3 (3.1) Item # 4 (4.1) Item # 5 (5.1) Item # 6 (6.1) Lot # 2 Item # 1 (1.1) Lot # 3 Item # 1 (1.1 to 1.10) Item # 2 (2.1 to 2.7) Item # 3 (3.1 to 3.10) Item # 4 (4.1 to 4.6) Item # 5 (5.1) Item # 6 (6.1 to 6.12) Item # 7 (7.1 to 7.17) Item # 8 (8.1 to 8.4)	Lot # 1 Item # 2 (2.1) Item # 3 (3.1) Item # 5 (5.1) Lot # 3 Item # 1 (1.1 to 1.10) Item # 2 (2.1 to 2.7) Item # 3 (3.1 to 3.10) Item # 4 (4.1 to 4.6) Item # 5 (5.1) Item # 6 (6.1 to 6.12) Item # 7 (7.1 to 7.17) Item # 8 (8.1 to 8.4)
2.0	Similar nature works Experience 1. Documentry evidence of (05) procurement in completed and certificate of satisfactory completion of works by the employers 15 Marks 2. List of Supplies in progress indicating cost of each work and copy of letter, awarding the work 10 Marks	25	20	20	25
	Sub Total Marks	65	45	45	45
	Grand Total Marks	100	78	76	76
	Note: Minimum 70 Marks are required to qualify for financial opening				


 Prof. Feride Ali Kalthoro
 Dean, Faculty of Dentistry,
 LUMHS, Jamshoro Convener


 Engr. Saghir Ahmed Memon
 Director (P & D)/Works,
 MUET, Jamshoro External
 Member


 Mr. Nadeem Shauqor Javeri
 Director Finance,
 LUMHS, Jamshoro
 Member


 Engr. Mukesh Kumar Vasu
 Assistant Engineer,
 SABS University, Jamshoro
 External Member


 Engr. Gulzar Ahmed
 Project Coordinator,
 LUMHS, Jamshoro
 Member / Secretary


 Mr. Abdul Rahim Malik
 Director IT Services,
 LUMHS, Jamshoro
 Co-opted Member

BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

Doc # LUMHS/PMU/563, Issue Date:31-08-2023

SSPRA ID # T01773-23-0001 Dated: 07-09-2023

Method & Procedure of Procurement: Single Stage - Two Envelope)

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/s. M M Cooperation	M/s. Aneti Cyber Solution
1	2	3	13	14
1.0	NTN Certificate	Mandatory	√	√
2.0	Registration with Sindh Revenue Board. (Wherever applicable)	If Applicable	√	√
3.0	General Sales Tax Registration Certificate (GST)	Mandatory	√	√
4.0	Valid Professional Tax Certificate	If Applicable	N/A	N/A
5.0	Undertaking of Affidavit that the firm is not involved in any litigation of abandoned any procurement in the Department	Mandatory	√	√
6.0	Affidavit to the effect that the firm / supplier have not been blacklisted previously by any executing agency	Mandatory	√	√
7.0	Certificate of Authorized Manufacturer is mandatory (MAL) Manufacturer Authorization Letter	Mandatory	√	√
8.0	Bid Security 2% of Bid Cost	Mandatory	√	√
9.0	Bid Signed & Stamped	Mandatory	√	√
10.0	Detail portfolio of Company Profile containing Introduction date of establishment. Company Profile containing Introduction date of establishment experience. (National / International Level) details of supplies to various Institutions / International Level including of supplied Equipments Year of Establishment of firm 1 Up to 03 years 2 Marks 2 Up to 05 years 5 Marks 3 Up to 10 years 10 Marks	10	10	5
11.0	Current Financial Position (Bank statements & Audit Reports of last three years) Details of turnover (including interests of rupee) at least last three years that average turnover should not be less than 20 million per year as per annual returns	10	10	7
	1. Bank Statement 05 Marks 2. Audit Reports 05 Marks			

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S. No	Mandatory Provision / Eligibility	Total Marks	M/a. M M Coporation	M/a. Anets Cyber Solution
1	2	3	13	14
12.0	Availability of Services Center / (s) Provincial / relevant education regarding installation / repairing / service of equipment	10	5	5
13.0	Personal Experience of Technical Staff as per required / relevant education regarding installation / repairing / service of equipment	5	5	5
	Sub Total Marks	35	30	22
	Equipment Technical Evaluation Criteria (Item wise)			
	Quoted Items		All Items of Lot #1 & Lot #2 Lot #3 Item # 1 (1.1 to 1.10) Item # 2 (2.1) Item # 3 (3.1 to 3.10)	Lot # 1 Item # 7 (7.1) Lot # 3 Item # 2 (2.1) Item # 4 (4.1 to 4.6) Item # 5 (5.1) Item # 6 (6.1)
	LOT NO.1		LOT NO.1	LOT NO.1
1.0	Mini PC		Mini PC	Mini PC
	HP/Dell or Equivalent Branded Mini PC -Core i5, Latest Generation CPU (At least 4 Core,8 Threads, Maximum Turbo Frequency 4.20Ghz & 8MB , M.2SSD 256GB, 24 Inch IPS Frameless FHD LED Monitor with Keyboard and mouse		LENOVO Branded Think Center M70Q G4 Mini PC -Core i5, Latest Generation CPU (At least 4 Core,8 Threads, Maximum Turbo Frequency 4.20Ghz & 8MB , M.2SSD 256GB, 24 Inch IPS Frameless FHD LED Monitor with Keyboard and mouse	Not Quoted
2.0	Laptop		Laptop	Laptop
2.1	HP/Dell or Equivalent Branded Laptop Core i7, Latest generation, 16GB RAM, 512GB SSD.		LENOVO Branded Think Pad E-15 G4 Branded Laptop Core i7, Latest generation, 16GB RAM, 512GB SSD.	Not Quoted
3.0	Printer - HP/ Equivalent		Printer - HP/ Equivalent	Printer - HP/ Equivalent
3.1	Printer speed 40PPM Processor 800MHZ, Memory 1 GB, Resolution (print : up to 1200 x1200 dpi Interface (Hi-speed USB 2.0 PORT, Ethernet100/1000Mbps)		Pentum BP5100DW	Not Quoted
4.0	Multimedia Projector - Maxel HP/Dell/Sony or Equivalent		Multimedia Projector - Maxel HP/Dell/Sony or Equivalent	Multimedia Projector - Maxel HP/Dell/Sony or Equivalent

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Method & Procedure of Procurement: Single Stage - Two Envelope)
 NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/a. M M Coporation	M/a. Anets Cyber Solution
1	2	3	13	14
4.1	Short-Throw Multimedia Projector 3000ANSI Lumens with WXGA Resolution,3rd generation LED Technology Light source life (hours) with normal mode upto 30,000 Throw Ratio :49, Throw Dis 0.63M-1.58 Meter.		InFOCUS Professional Series IN1156 Short-Throw Multimedia Projector 3000ANSI Lumens with WXGA Resolution,3rd generation LED Technology Light source life (hours) with normal mode upto 30,000 Throw Ratio:49, Throw Dis 0.63M-1.58 Meter.	Not Quoted
5	Photocopiers		Photocopiers	Photocopiers
5.1	Speed :55 PPM Max monthly duty cycle :350,000 pages per month Resolution copy 600x600 dpi Printer : Fast 1200 Mode Standard paper supply 1500 x2 550 x2 100 sheet MPT Max paper size 11 x 17" Max paper weight:110 lb. Index Original size 11 x17" Duplexing : Standards Network connectivity: Opt Print/10/100Base Tx, Opt.san10/100Base TX		Cannon IR ADV Dx 6855i Speed :55 PPM Max monthly duty cycle :350,000 pages per month Resolution copy 600x600 dpi Printer : Fast 1200 Mode Standard paper supply 1500 x2 550 x2 100 sheet MPT Max paper size 11 x 17" Max paper weight:110 lb. Index Original size 11 x17" Duplexing : Standards Network connectivity: Opt Print/10/100Base Tx, Opt.san10/100Base TX	Not Quoted
6.0	Scanner		Scanner	Scanner
6.1	Universal Flatbed scanner scans up to 40 ppm/80 IPM Optical resolution: 600dpi scan to text ,PDF Including 50 pages ADF and one-touch scanning custom setting small and slim desktop design.		PLUSTEK Smart Office PL 4080 Universal Flatbed scanner scans up to 40 ppm/80 IPM Optical resolution: 600dpi scan to text ,PDF Including 50 pages ADF and one-touch scanning custom setting small and slim desktop design.	Not Quoted
7.0	Interactive Screens 65"		Interactive Screens 65"	Interactive Screens 65"
7.1	<ul style="list-style-type: none"> • Display Size: 65" or higher • D-LED Backlight • Screen resolution: 8K Ultra-HD or higher • Resolution: 7680 x 4320 • Operation System: X86 Android 11 and Windows 11 dual system architecture. • Fitting technology: Full Fit • CPU: 11th Gen Intel Core i5 • Memory: 16GB • Built-in Storage/ROM: 256 GB • Touch Type: Touch screen • Glass: 2mm thick • Touch Point: 20-point • Pixel: 33 million. 4x digital zoom • Response Time: < 12 ms • Touch Height: 2.5mm • Interfaces: HDMI IN x 1 (MAX 4K@60 Hz), Audio LINE IN x 1, HDMI OUT x 1, Audio LINE OUT x 1, RJ45 Ethernet Ports x 2, USB 3.0 on front panel x 1, USB 3.0 on rear panel x 3, Type-C Port x 1 • Audio pickup distance must be up to 8m or higher • Wi-Fi standard: IEEE 802.11a/b/g/n/ac/ax • Must include Bluetooth 5.0 • 4K Camera with auto exposure feature must be included. Camera mounting method must be pluggable • Wireless screen transmitter must be included • 8 Microphones Array must be included 		<ul style="list-style-type: none"> • H3C S6512C Cloud Touchscreen Appliance i5 -1135G7/16GB/256GB SSD/ Windows 11 IOT ENT+Android 11/Zmm(overseaVersion) • Display Size: 65" or higher • D-LED Backlight • Screen resolution: 8K Ultra-HD or higher • Resolution: 7680 x 4320 • Operation System: X86 Android 11 and Windows 11 dual system architecture. • Fitting technology: Full Fit • CPU: 11th Gen Intel Core i5 • Memory: 16GB • Built-in Storage/ROM: 256 GB • Touch Type: Touch screen • Glass: 2mm thick • Touch Point: 20-point • Pixel: 33 million. 4x digital zoom • Response Time: < 12 ms • Touch Height: 2.5mm • Interfaces: HDMI IN x 1 (MAX 4K@60 Hz), Audio LINE IN x 1, HDMI OUT x 1, Audio LINE OUT x 1, RJ45 Ethernet Ports x 2, USB 3.0 on front panel x 1, USB 3.0 on rear panel x 3, Type-C Port x 1 • Audio pickup distance must be up to 8m or higher • Wi-Fi standard: IEEE 802.11a/b/g/n/ac/ax • Must include Bluetooth 5.0 • 4K Camera with auto exposure feature: must be included. Camera mounting method must be pluggable • Wireless screen transmitter must be included • 8 Microphones Array must be included • Mobile Stand bracket must be included 	<ul style="list-style-type: none"> • Hikevion (DS-D5B65RB/D) • Display Size: 65" or higher • D-LED Backlight • Screen resolution: 8K Ultra-HD or higher • Resolution: 7680 x 4320 • Operation System: X86 Android 11 and Windows 11 dual system architecture. • Fitting technology: Full Fit • CPU: 11th Gen Intel Core i5 • Memory: 16GB • Built-in Storage/ROM: 256 GB • Touch Type: Touch screen • Glass: 2mm thick • Touch Point: 20-point • Pixel: 33 million. 4x digital zoom • Response Time: < 12 ms • Touch Height: 2.5mm • Interfaces: HDMI IN x 1 (MAX 4K@60 Hz), Audio LINE IN x 1, HDMI OUT x 1, Audio LINE OUT x 1, RJ45 Ethernet Ports x 2, USB 3.0 on front panel x 1, USB 3.0 on rear panel x 3, Type-C Port x 1 • Audio pickup distance must be up to 8m or higher • Wi-Fi standard: IEEE 802.11a/b/g/n/ac/ax • Must include Bluetooth 5.0 • 4K Camera with auto exposure feature must be included. Camera mounting method

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BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

Doc # LUMHS/PMU/563, Issue Date:31-08-2023

SSPRA ID # T01773-23-0001 Dated: 07-09-2023

Method & Procedure of Procurement: Single Stage - Two Envelope)

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/L M M Cooperation	M/L Aneta Cyber Solution
1	2	3	13	14
	LOT NO.2		LOT NO.2	LOT NO.2
1.0	OMR Scanner		OMR Scanner	OMR Scanner
1.1			Kodak alaris S 3120 Reading speed: Approx x 3500 pages Form Input : 500 forms Communication interface: USB 2.0 / RS-232C serial interface, Reading Head : Pen Pencil and all standard options, OMR-Reading software : Remarks Classic.	
	LOT No. 3		LOT No. 3	LOT No. 3
1.0	Uninterruptible Power Supply (UPS) & Electric DB.		Uninterruptible Power Supply (UPS) & Electric DB.	Uninterruptible Power Supply (UPS) & Electric DB.
1.1	UPS True On-Line, 3kVA, Lithium-ion, Rack mount 4U, 230V, 6 IEC C13 + 1 IEC C19 outlets, Intelligent Card Slot, Extended runtime, W/ rail kit complete.		ATTOM U003R11H UPS True On-Line, 3kVA, Lithium-ion, Rack mount 4U, 230V, 6 IEC C13 + 1 IEC C19 outlets, Intelligent Card Slot, Extended runtime, W/ rail kit complete.	Not Quoted
1.2	UPS True On-Line, 10kVA/10kW, Rackmount 5U, 230V, Hard wire 3-wire(1P+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.		ATTOM U010R11H UPS True On-Line, 10kVA/10kW, Rackmount 5U, 230V, Hard wire 3-wire(1P+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.	Not Quoted
1.3	UPS True On-Line, 20kVA/20kW, Rackmount 230V, Hard wire 3-wire(1P+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.		ATTOM U020R31H UPS True On-Line, 20kVA/20kW, Rackmount 230V, Hard wire 3-wire(1P+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/ Rail Kit Complete.	Not Quoted
1.4	32 Amps Industrial socket 3 pins (Pair)for Racks		Clipsal 32 Amps Industrial socket 3 pins (Pair)for Racks	Not Quoted
1.5	6 Sqmm x 3C electric cable (RM) Rack		Pak Cable 6 Sqmm x 3C electric cable (RM) Rack	Not Quoted
1.6	60 Amps Industrial socket 5 pins (Pair) for UPS (SCHNEIDER or equivalent)		Clipsal 60 Amps Industrial socket 5 pins (Pair) for UPS (SCHNEIDER or equivalent)	Not Quoted
1.7	16Sqmm x 4C electric cable (RM) UPS		Pak Cable 16Sqmm x 4C electric cable (RM) UPS	Not Quoted
1.8	UPS Distribution box		UPS Distribution box	UPS Distribution box
	UPS Distribution Box (Output) DB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 450 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input >6 (SCHNEIDER / TERASAKI/ ABB or equivalent)		UPS Distribution Box (Output) DB (SCHNEIDER / TERASAKI/ ABB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 450 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input >6	Not Quoted

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SSPRA ID # T01773-23-0001 Dated: 07-09-2023

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NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/A. M M Coporation	M/L. Aneta Cyber Solution
1	2	3	13	14
1.9	UPS Distribution Box (Input) DB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 700 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input)- 10 (SCHNEIDER / TERASAKI/ ABB or equivalent)		UPS Distribution Box (Input) DB SCINEIDER / TERASAKI/ ABB DB Box size 24x45x8" Phase LED — 3 Voltage meter — 3 700 Amps triple pole breaker (TP)-1 60 Amps triple pole TP UPS Input)- 10	Not Quoted
1.10	Testing and commissioning of all above items termination and connectivity at both ends,including submission of detailed test report from the Principals.(Services)		Testing and commissioning of all above items termination and connectivity at both ends,including submission of detailed test report from the Principals.(Services)	Not Quoted
2.0	Passive Network		Passive Network	Passive Network
2.1	CAT-6, UTP, 23AWG, LSOH, Delta- EC certified, cables, for data from Com Rack to each workstation in already laid 25 mm dia PVC conduit, channel or trench as per drawings including termination and tagging at both ends. Complete in all respects. (Coil) (3M / SCHNEIDER / LEVINTON or equivalent)		VIVANCO CAT-6, UTP, 23AWG, LSOH, Delta- EC certified, cables, for data from Com Rack to each workstation in already laid 25 mm dia PVC conduit, channel or trench as per drawings including termination and tagging at both ends. Complete in all respects. (Coil) (3M / SCHNEIDER / LEVINTON or equivalent)	DS-ILN6-UE-W CAT-6, UTP, 23AWG, LSOH, Delta- EC certified, cables, for data from Com Rack to each workstation in already laid 25 mm dia PVC conduit, channel or trench as per drawings including termination and tagging at both ends. Complete in all respects. (Coil) 15U wall mountable rack, 540mm x500mm (Double Section with PDUs(12 port flat pin UK Type 13 Amp 13amp)Double Section) with PDUs (24 Port Flat pin UK Type 13 Amp
2.2	Simplex UK style angled Face plate with 1 No. CAT-6 UTP RJ-45 I/O durability 30 termination cycle. Complete with shuttered click-ins, labels, contact resistance not more than 20M ohms and all accessories but including back box		VIVANCO Simplex UK style angled Face plate with 1 No. CAT-6 UTP RJ-45 I/O durability 30 termination cycle. Complete with shuttered click-ins, labels, contact resistance not more than 20M ohms and all accessories but including back box	Not Quoted
2.3	CAT-6, Patch Panels 24 port equipped with RJ-45 I/O durability 30 termination cycles. Data communication system with cable organizer including all labelling and all mounting accessories. Complete in all respects.		VIVANCO CAT-6, Patch Panels 24 port equipped with RJ-45 I/O durability 30 termination cycles. Data communication system with cable organizer including all labelling and all mounting accessories. Complete in all respects.	Not Quoted
2.4	Supply of RM 19' Cable Manger		VIVANCO Supply of RM 19' Cable Manger	Not Quoted
2.5	CAT-6,UTP PVC factory certified patch cords 1 meter long having RJ-45 connectors at both ends for data communication. (3M/Equ)		VIVANCO CAT-6,UTP PVC factory certified patch cords 1 meter long having RJ-45 connectors at both ends for data communication. (3M/Equ)	Not Quoted
2.6	CAT-6,UTP PVC factory certified patch cords 3 meter long having RJ-45 connectors at both ends for data communication. (3M/Equ)		VIVANCO CAT-6,UTP PVC factory certified patch cords 3 meter long having RJ-45 connectors at both ends for data communication. (3M/Equ)	Not Quoted
2.7	Testing and commissioning of all above items termination and connectivity at both ends,including submission of detailed test report from the Principals (Services)		Testing and commissioning of all above items termination and connectivity at both ends,including submission of detailed test report from the Principals (Services)	Not Quoted
3.0	Optical Fiber Passive Network		Optical Fiber Passive Network	Optical Fiber Passive Network
3.1	Fiber Patch Cord Duplex LC/PC- LC/PC Patch Cord OM3 Cord 10meters.		VIVANCO Fiber Patch Cord Duplex LC/PC- LC/PC Patch Cord OM3 Cord 10meters.	Not Quoted
3.2	Fiber Patch Card Duplex LC/PC- LC/PC Patch Cord 052LSZH, 3 Meters.		VIVANCO Fiber Patch Card Duplex LC/PC- LC/PC Patch Cord 052LSZH, 3 Meters.	Not Quoted
3.3	Fiber Optic Armored 6Core SO2 Cable Single Mode with Steel Tape		VIVANCO Fiber Optic Armored 6Core SO2 Cable Single Mode with Steel Tape	Not Quoted

BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

Doc # LUMIIS/PMU/563, Issue Date:31-08-2023

SSPRA ID # T01773-23-0001 Dated: 07-09-2023

Method & Procedure of Procurement: Single Stage - Two Envelope)

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMIIS, JAMSHORO"

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/A. M M Coporation	M/A. Assets Cyber Solution
1	2	3	13	14
3.4	Fiber optic 6 Core Multimode OM3 indoor cables. (RM)		VIVANCO Fiber optic 6 Core Multimode OM3 indoor cables. (RM)	Not Quoted
3.5	48 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 48 Nos of LC Duplex Adaptor and 48 Nos of LC Pigtails		VIVANCO 48 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 48 Nos of LC Duplex Adaptor and 48 Nos of LC Pigtails	Not Quoted
3.6	24 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 24 Nos of LC Duplex Adaptor and 24 Nos of LC Pigtails		VIVANCO 24 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 24 Nos of LC Duplex Adaptor and 24 Nos of LC Pigtails	Not Quoted
3.7	12 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 12 Nos of LC Duplex Adaptor and 12 Nos of LC Pigtails		VIVANCO 12 Ports Rack Mountable Fiber Optic Patch Panel OFDF Loaded with 12 Nos of LC Duplex Adaptor and 12 Nos of LC Pigtails	Not Quoted
3.8	15U Wall Mountable Rack, 540mmx500mm (Double Section) with PDUs (12 port flat pin UK Type 13AMP)		SMARTER 15U Wall Mountable Rack, 540mmx500mm (Double Section) with PDUs (12 port flat pin UK Type 13AMP)	Not Quoted
3.9	42U Data Rack 800mmx1000mm (Double Section) with PDUs (24 port flat pin UK Type 13AMP)		SMARTER 42U Data Rack 800mmx1000mm (Double Section) with PDUs (24 port flat pin UK Type 13AMP)	Not Quoted
3.10	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)	Not Quoted
4.0	Active Network Cisco/Huawei or Equivalent		Active Network Huawei	Active Network Huawei
4.1	24 Port Distribution Switch 24 Port SFP+ Supported Redundant Power Supply amust dual core, RAM 1 GB or higher Flash 512MB or higher, Qos Support embedded free NMS, At least 03 Years equipment replacement Warranty.		Not Quoted	H3C S6520X-26C-SI L3 Ethernet Switch with 24*1G/10G Base-X SFP Plus Ports and 1*Slot, Without Power Supplies ASSY,CORD,AC, IEC TO IEC 75W AC Pluggable Power Supply Module Single Cable, Console Serial Port Cable, 1.8m,D9F,28UL20276(4P) (P296U),MPH-8P8C CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT

[Handwritten signatures and initials in blue ink]

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S. No	Mandatory Provision / Eligibility	Total Marks	M/A. M M Coporation	M/A. Aneta Cyber Solution
1	2	3	13	14
4.2	48 Port Switch 48 Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty.		Not Quoted	48 Port Switch H3C S5170-54S-EI L2 Ethernet Switch with LS-5170-54S-EI-GL 48*10/100/1000BASE-T Ports and 6*1G/10G BASE-X SFP Plus Ports, (AC) Single Cable, Console Serial Port Cable, 1.8m, D9F,28UL20276(4P)(P296U),MPH-8P8C CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT
4.3	24 Port Switch 24GE Port with 4 SFP+ Supported (Non-POE) NMS supported, At least 03Years equipment replacement warranty.		Not Quoted	24 Port Switch H3C S5170-28S-EI L2 Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1G/10G BASE-X SFP Plus Ports, (AC) Single Cable, Console Serial Port Cable, 1.8m, D9F,28UL20276(4P)(P296U),MPH-8P8C CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT
4.4	24 Port Switch 24GE Port with 4 SFP+ Supported POE, NMS supported, At least 03Years equipment replacement warranty.		Not Quoted	24 Port Switch H3C S5170-28S-HPWR-EI L2 Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1G/10G BASE-X SFP Plus Ports, (AC), PoE+ Single Cable, Console Serial Port Cable, 1.8m,D9F,28UL20276(4P) (P296U), MPH-8P8C CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT INT
4.5	SFP-10G-LR Single mode		Not Quoted	H3C SFP-XG-LX-SM1310 SFP+ Module(1310nm, 10km,LC) -INT CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT

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1	2	3	13	14
46	SFP-10G-SR Multimode		Not Quoted	H3C SFP-XG-SX-MM850-A SFP+ Module(850nm, 300m,LC) -INT CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT
50	Wireless (Access Point) Cisco/Huawei or Equivalent		Wireless (Access Point) Cisco/Huawei or Equivalent	Wireless (Access Point) Huawei
51	802.11 AC Enterprise WiFi Access Points POE Based		Not Quoted	H3C H3C WA6320 Internal Antennas 4 Streams Dual Radio 802.11ax/ac/n Access Point, FTI CT-Foundation Basic Service 1Y 5x9 Next Business Day-S, INT
60	Rack Server - HP / Dell or Equivalent 2U2 Socket		Rack Server - HP / Dell or Equivalent 2U2 Socket	Rack Server H3C R4900G55 Rack Server
61	Device : 2 Socket Rack Mounted Server		Device : 2 Socket Rack Mounted Server	Device : 2 Socket Rack Mounted Server
62	Processor:2x Intel --Xeon Silver 43101 2.3G, 10C/20T, 10 4GT/s, 15M Cache Equivalent or Higher		Not Quoted	R4900G55 Rack Server H3C UniServer R4900 G5 SFF CTO Server H3C UniServer R4900 G5 4314(2.4GHz/16Cores/24MB/135W)CPU Module ASSY,CORD,AC, IEC TO IEC G5 2U 6038 Fan Module (CTO&BTO) G5 Front 2*M.2 2280/22110 Riser Module (CTO&BTO) 2-G5 G5 2U X16X8X8 Riser(Slot1/2)(Supporting 2*FHFL and 1*FHHL, Supporting 1*300W GPU)(CTO&BTO) 12Gb 2 Ports SAS RAID Controller(With 4GB Cache, Supporting 8 SAS Ports, PCIe, No Supercapacitor) (FIO) 2-Port 10GE Fiber Interfaco Ethernet Adapter(SFP+)-530F-B2 ower Cable with straight mode connector(3m,type G), for England ASSY,CORD,AC, IEC TO IEC HMB(6*1)1.25,UL2835,HMB(6*1)1.25 G5 2U 6038 Fan Module (CTO&BTO) G5 Front 2*M.2 2280/22110 Riser Module (CTO&BTO) H3C UniServer G5 2U Mounting Bracket Kit(For Use with Intelligent Security Bezel) (CTO&BTO)

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1	2	3	13	14
6.3	Memory: 8 x 16GB RDIMM, 3200MT/s, Dual Rank, ECC Registered Memory - Equivalent or Higher.		Not Quoted	H3C Server Installation and Startup Service, Global Version H3C R4900 G5 Custom Module for Special International Delivery Module (CMCTO) 480GB SATA RI ER2GD M.2 SSD Module(CMCTO) 2U Cable Management Bracket H3C UniServer G5 2U Intelligent Security Bezel (CTO&BTO) G5 2U/1U Ball Bearing Rail Kit(CTO&BTO)
6.4	M.2 Card: 1 x BOSS Card/ 2x240GB SSD M.2 SATA		Not Quoted	
6.5	Disk :6x 1.92TB SSD SAS 2.5" 12Gbps ReadIntensive-PM6 in 3.5" Adapter 2.5" Equivalent or Higher MAX support 25 Disk Bays, Minimum 8, SAS 10K,15K RPM, 12Gbps, equivalent or higher, Also should support M.2 with separate RAID card for OS Boot and Various other Disk Such as, NL-SAS, SSD SAS/SATA, PCI NVME.		Not Quoted	
6.6	RAID Controller : Storage Controller RAID Controller 9460-8i PCI RAID, 4GB Cache Supports RAID 0, 1, 10, 5, 50, 6, or 60, optional supercapacitor for cache datapower failure protection, RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration.		Not Quoted	
6.7	Network Adapter :4x GE port AVAGO and XP332 INTEL 4*10GE Optical Interface NIC(Intel XL710 Chipset)(With 4pcs Multi-mode Optical Transceiver) or Higher Provides expansion capability of multiple types of networks. Provides the OCP3.0 network adapter. The two FlexIO card slots support two OCP 3.0 network adapters respectively, which can be configured as required. Hot swappable function supported.		Not Quoted	
6.8	Power Supply : Redundant hot-swappable high efficiency AC power supply or higher in full configuration.		Not Quoted	
6.9	Stability : Support long-term operating temperature under specific conditions.		Not Quoted	

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S. No	Mandatory Provision / Eligibility	Total Marks	M/M M Coporation	M/A Aneta Cyber Solution
1	2	3	13	14
6.10	<p>Manageability and maintainability:</p> <ul style="list-style-type: none"> • Supports integrated system management. - Automatically restarts servers - Monitors and controls fan modules, power supplies, and temperature 		Not Quoted	
6.11	<p>Compatibility:</p> <p>Supports mainstream operating systems, such as Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, CentOS, Oracle Linux, Ubuntu, Debian, openEuler, etc.</p>		Not Quoted	
6.12	<p>Reliability:</p> <p>Long-term operating temperature: 5°C to 45°C (41°F to 113°F) (ASHRAE Classes A1 to A4 compliant)</p>		Not Quoted	
7.0	FM 200 fire suppression system for Data Center		FM 200 fire suppression system for Data Center	
7.1	MECHANICAL PART: Cylinder 27 Liters Valve included Manual Operated Actuator 24 Vdc. Solenoid valve Wall Mounting Bracket Discharge Hose and Adapter TPED CERTIFICATED SEAMLESS STEEL CYLINDER 40Ltr		Not Quoted	Not Quoted
7.2	Low pressure switch		Not Quoted	Not Quoted
7.3	HFC-227ea FM200 gas UL/PM listed. Per KG Prices. Room Size: L 12' x W 14' x H 12' RF 12" (Kg)		Not Quoted	Not Quoted
7.4	CENTRAL NOZZLE		Not Quoted	Not Quoted
7.5	CAUTION-ROOM PROTECTED		Not Quoted	Not Quoted
7.6	2 zone EP extinguishant control panel (to BS/EN12094-1) c/w 3A EN54-4 PSU & 128 x64 pixel graphical LCD display. LPCB Approved - Branded		Not Quoted	Not Quoted

[Handwritten signatures and initials]

BIDDER QUALIFICATION / TECHNICAL EVALUATION REPORT

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITES AT LUMHS, JAMSHORO"
 Method & Procedure of Procurement: Single Stage - Two Envelope)

Date of Technical Proposal Opening: 25-09-2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/A. M M Coporation	M/A. Anets Cyber Solution
1	2	3	13	14
7.7	12V7ah battery		Not Quoted	Not Quoted
7.8	Approved EN54, LPCB, CE Multi-Purpose Smoke Detector with base. Voltage range: 12 - 30V DC. Sensitivity Setting. Comply to EN54		Not Quoted	Not Quoted
7.9	Remote Indicating Lamp, CE, UL		Not Quoted	Not Quoted
7.10	Electronic Sounder		Not Quoted	Not Quoted
7.11	Electronic Sounder with Flasher		Not Quoted	Not Quoted
7.12	Manual call point for Gas Release		Not Quoted	Not Quoted
7.13	Yellow Extinguishant Abort burton with back box		Not Quoted	Not Quoted
7.14	Yellow Extinguishant Abort burton with back box		Not Quoted	Not Quoted
7.15	PSTN/GSM commanicator and reserve line generator. Dialler feature manages 10 telephone numbers and provides 10 editable message slots.		Not Quoted	Not Quoted
7.16	1" schedule 40 pipe with accessories (RFT)		Not Quoted	Not Quoted
7.17	Installation and commissioning of all above FM200 system (Job)		Not Quoted	Not Quoted
8.0	Access Control System		Access Control System	Access Control System
8.1	One touch, that's all it takes for access control with biometric reader that offer the flexibility to be installed standalone or with any third party panel that supports 26-bit Wiegand.		Not Quoted	Not Quoted
8.2	Electric magnetic lock with holding force 500lbs with enclosure.		Not Quoted	Not Quoted
8.3	Centralized controller : • 100,000 cards and 300,000 events storage • Communication via TCP/IP, ISUP5.0 and RS-485 • ISAPI, OSDP supported • 10reader access control • Alarm input/output and alarm event upload • RS-485 interface and Wiegand interface for accessing card reader • UL294 Standard Qualified • Supports battery access		Not Quoted	Not Quoted
8.4	Testing and commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals (Services)		Not Quoted	Not Quoted
1.0	Conformance to the specification	40	25	25

[Handwritten signatures and initials in blue ink]

NAME OF WORK: "PROCUREMENT, SUPPLY AND INSTALLATION OF IT / COMPUTER BASED EQUIPMENT FOR EXAMINATION CENTER, UNDER THE PROJECT TITLE STRENGTHENING & UP GRADATION OF ACADEMIC, RESEARCH AND SPORTS FACILITIES AT LUMHS, JAMSHORO"

Method & Procedure of Procurement: Single Stage - Two Envelope

Date of Technical Proposal Opening: 25.09.2023

S. No	Mandatory Provision / Eligibility	Total Marks	M/E, M/E Cooperation	M/E, Asses / Other Selection
1	2	3	13	18
	Qualified in Items		Lot # 1 Item # 1 (1.1) Item # 2 (2.1) Item # 3 (3.1) Item # 4 (4.1) Item # 5 (5.1) Item # 6 (6.1) Item # 7 (7.1) Lot # 2 Item # 2 (2.1) Lot # 3 Item # 1 (1.1 to 1.10) Item # 2 (2.1 to 2.7) Item # 3 (3.1 to 3.10)	Lot # 4 Item # 7 (7.1) Item # 8 (4.1 to 4.10) Item # 9 (9.1) Item # 6 (6.1)
2.0	Similar nature works Experience 1. Documents evidence of (05) procurement in completed and certificate of satisfactory completion of works by the employers 15 Marks 2. List of Supplies in progress indicating cost of each work and copy of letter awarding the work 10 Marks	25	25	25
	Sub Total Marks	65	50	50
	Grand Total Marks	100	80	72
	Note: Minimum 70 Marks are required to qualify for financial opening			

Prof. Faruk Ali Kallhor
Dean, Faculty of Dentistry,
LUMHS, Jamshoro/Convener

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Director (P & D) Works,
MUEI, Jamshoro/External
Member

Mr. Nadeem Shafiq Javeri
Director Finance,
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Member

Engr. Mukesh Kumar Vasi
Assistant Engineer,
SABS University, Jamshoro
External Member

Engr. Gulzar Ahmed
Project Coordinator,
LUMHS, Jamshoro
Member / Secretary

Mr. Abdal Fakhir Waikh
Director (E Services)
LUMHS, Jamshoro
Co-opted Member