



FINANCIAL COMPARTAIIVE REPORT

*Tender opened on 15th May 2019 for Purchase & Supply of IT Equipment for Department of Information Technology
Liaquat University of Medical & Health Sciences
Jamshoro-Sindh-Pakistan*

LOT # 01 | NETWORK EQUIPMENT/ACCESSORIES (A). AAA SOLUTION | QTY - 01

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
User Authentication And Management Proxy Access Control Bandwidth Management Report Center	NOT QUOTED	UNIT PRICE = USD 13,200.00 TOTAL PRICE= USD 13,200.00 SANGFOR M5400-AC-I Sangfor Internet Access Management Standard Packs including Bandwidth Management User Authentication URL Filtering Traffic Control User Behaviour Audit Content Audit Proxy Server Anti-proxy Endpoints Management Report Center Multi-links(Link Load Balance) Sangfor VPNContent Audit, Proxy Server, Anti-proxy, Endpoints Management, Report Center, Multi-links(Link Load Balance), Sangfor VPN *M5400-AC-I, Software, Sangfor URL Database 1 year License *Software and Technical Support Only, Sangfor IAM5400, 3 years *Return To Factory Hardware Support Only, Sangfor IAM5400, 3 years	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = USD 13,101.56 TOTAL PRICE= USD 13,101.56 SANGFOR M5400-AC-I Sangfor Internet Access Management Standard Packs including Bandwidth Management User Authentication URL Filtering Traffic Control User Behaviour Audit Content Audit Proxy Server Anti-proxy Endpoints Management Report Center Multi-links(Link Load Balance) Sangfor VPNContent Audit, Proxy Server, Anti-proxy, Endpoints Management, Report Center, Multi-links(Link Load Balance), Sangfor VPN *M5400-AC-I, Software, Sangfor URL Database 1 year License *Software and Technical Support Only, Sangfor IAM5400, 3 years *Return To Factory Hardware Support Only, Sangfor IAM5400, 3 years	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.

Mr. Haroon A. Kalhoro
Bursar,
LUMHS, Jamshoro
(Member CPC)

Engr. Ashif Iqbal Memon
Deputy Director Works & Services, Working as Deputy Registrar (Admin)
LUMHS, Jamshoro
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University of Sindh
Jamshoro
(External Member)

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LOT # 01 NETWORK EQUIPMENT/ACCESSORIES (B). NEXT GENERATION FIREWALL QTY - 01									
ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Stateful deep inspection firewall with 3Gbps or higher Throughput DDos Prevention, ARP spoofing prevention Anti-Virus Anti-Malware Anti-phishing Intrusion Prevention System Web Application Firewall SSL Decryption Data Leakage Prevention for database servers Risk assessment by on-demand and real-time scanner IPsec VPN SSL VPN User authentication and grouping Web(URL) filtering, Application control, Bandwidth management Reverse Proxy Load Balancing Central Management Real time monitoring Comprehensive Reporting	NOT QUOTED	UNIT PRICE = USD 10,135.00 TOTAL PRICE= USD 10,135.00 SANGFOR M5300-F-I Hardware, SSL VPN for 30 concurrent users, Site-to-site IPsec VPN with 10 IPsec Clients included M5300-F-I, Engine Zero license, AI powered Malware Detection, Anti-malware, Anti-virus, 3 years M5300-F-I, Neural-X license, Threat Intelligence and analytics, Unknown Threat & Advanced Threats Defense, Value-Added Cloud Service, 3 years M5300-F-I, NGFW license suite, FW, BM(URL filtering&Application Control), IPS, Email Security, Sandboxing, Risk Assessment, Security Visibility, Basic Security Reporter included, 3 years M5300-F-I, Add Anti-Defacement Module, Web Application FW, Application Hiding, HTTP Anomalies Detection, Data Leak Protection, Web Scanner, Vulnerability Scanner, Advanced Security Reporter, 3 years M5300-F-I, NGFW software upgrade, 24*7 technical support, NGAF RTF hardware service, 3 years	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = USD 10,105.66 TOTAL PRICE= USD 10,105.66 SANGFOR M5300-F-I Hardware, SSL VPN for 30 concurrent users, Site-to-site IPsec VPN with 10 IPsec Clients included M5300-F-I, Engine Zero license, AI powered Malware Detection, Anti-malware, Anti-virus, 3 years M5300-F-I, Neural-X license, Threat Intelligence and analytics, Unknown Threat & Advanced Threats Defense, Value-Added Cloud Service, 3 years M5300-F-I, NGFW license suite, FW, BM(URL filtering&Application Control), IPS, Email Security, Sandboxing, Risk Assessment, Security Visibility, Basic Security Reporter included, 3 years M5300-F-I, Add Anti-Defacement Module, Web Application FW, Application Hiding, HTTP Anomalies Detection, Data Leak Protection, Web Scanner, Vulnerability Scanner, Advanced Security Reporter, 3 years M5300-F-I, NGFW software upgrade, 24*7 technical support, NGAF RTF hardware service, 3 years	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.

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LOT # 01 | NETWORK EQUIPMENT/ACCESSORIES (C). CORE SWITCH | QTY – 01

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Nexus 9504 Chassis Bundle with 1 Sup, 3 PS, 2 SC, 4 FM, 3 FT SNTC-8X5XNBD Nexus 9504 Chassis Bundle with 1 Sup, 3 Nexus 9508 Fabric Module slot cover Nexus 9500 Line card slot cover Nexus 9500 Power Supply slot cover Fabric Module for Nexus 9504 chassis Nexus 9504 Rack Mount Kit Nexus 9500 Accessory Kit Nexus 9500, 9300, 3000 Base NX-OS Software Rel 7.0(3)I7(1) Fan Tray for Nexus 9504 chassis, Port-side Intake Cabinet Jumper Power Cord, 250 VAC 16A, C20-C19 Connectors System Controller for Nexus 9500 PID to Select Default Supervisor: N9K-SUP-A Supervisor for Nexus 9500 Supervisor for Nexus 9500 N9500 License PAK Expansion LAN Enterprise License for Nexus 9500 Platform SWSS UPGRADES LAN Enterprise License for Nexus 9500 PI Nexus 1000V Essential Edition Paper Delivery License Qty 96 PID to Select Default Power Supply: N9K-PAC-3000W-B Nexus 9500 3000W AC PS, Port-side Intake Nexus 9500 linecard, 48p 1/10G-T & 4p QSFP Nexus 9500 linecard, 48p 1/10G SFP+ & 4p QSFP	NOT QUOTED	UNIT PRICE = USD 80,202.00 TOTAL PRICE= USD 80,202.00 CISCO Nexus 9504 1 x Nexus 9504 Chassis Bundle with 1 Sup, 3 PS, 2 SC, 4 FM, 3 FT 1 x SNTC-8X5XNBD Nexus 9504 Chassis Bundle with 1 Sup, 3 2 x Nexus 9508 Fabric Module slot cover 2 x Nexus 9500 Linecard slot cover 1 x Nexus 9500 Power Supply slot cover 4 x Fabric Module for Nexus 9504 chassis 1 x Nexus 9504 Rack Mount Kit 1 x Nexus 9500 Accessory Kit 1 x Nexus 9500, 9300, 3000 Base NX-OS Software Rel 7.0(3)I7(1) 3 x Fan Tray for Nexus 9504 chassis, Port-side Intake 3 x Cabinet Jumper Power Cord, 250 VAC 16A, C20-C19 Connectors 2 x System Controller for Nexus 9500 1 x PID to Select Default Power Supply: N9K-PAC-3000W-B 1 x Supervisor for Nexus 9500 1 x Supervisor for Nexus 9500 1 x N9500 License PAK Expansion 1 x LAN Enterprise License for Nexus 9500 Platform SWSS UPGRADES LAN Enterprise License for Nexus 9500 PI 1 x Nexus 1000V Essential Edition Paper Delivery License Qty 96 3 x PID to Select Default Power Supply: N9K-PAC-3000W-B 3 x Nexus 9500 3000W AC PS, Port-side Intake 1 x Nexus 9500 linecard, 48p 1/10G-T & 4p QSFP 1 x Nexus 9500 linecard, 48p 1/10G SFP+ & 4p QSFP	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = USD 80,000.98 TOTAL PRICE= USD 80,000.98 CISCO Nexus 9504 1 x Nexus 9504 Chassis Bundle with 1 Sup, 3 PS, 2 SC, 4 FM, 3 FT 1 x 3YR SNTC 8X5XNBD Nexus 9504 Chassis Bundle with 1 Sup, 3 2 x Nexus 9508 Fabric Module slot cover 2 x Nexus 9500 Linecard slot cover 1 x Nexus 9500 Power Supply slot cover 4 x Fabric Module for Nexus 9504 chassis 1 x Nexus 9504 Rack Mount Kit 1 x Nexus 9500 Accessory Kit 1 x Nexus 9500, 9300, 3000 Base NX-OS Software Rel 9.2.3 3 x Fan Tray for Nexus 9504 chassis, Port-side Intake 3 x Cabinet Jumper Power Cord, 250 VAC 16A, C20-C19 Connectors 2 x System Controller for Nexus 9500 1 x PID to Select Default Supervisor: N9K-SUP-A+ 1 x Supervisor for Nexus 9500 1 x Supervisor for Nexus 9500 1 x N9500 License PAK Expansion 1 x LAN Enterprise License for Nexus 9500 Platform SWSS UPGR 3YR DISTI LAN Enterprise License for Nexus 9500 PI 1 x Nexus 1000V Essential Edition Paper Delivery License Qty 96 3 x PID to Select Default Power Supply: N9K-PAC-3000W-B 3 x Nexus 9500 3000W AC PS, Port-side Intake 1 x Nexus 9500 linecard, 48p 1/10G-T & 4p QSFP 1 x Nexus 9500 linecard, 48p 1/10G SFP+ & 4p QSFP	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.

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LOT # 01 | NETWORK EQUIPMENT/ACCESSORIES (D). ROUTER | QTY – 01

ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
<p>ISR4451-X/K9 Cisco ISR 4451 (4GE,3NIM,8G FLASH,4G DRAM,IPB) SNTC-8X5XNBD Cisco ISR 4451 (4GE) IP Base License for Cisco ISR 4400 Series AppX License for Cisco ISR 4400 Series AC Power Supply for Cisco ISR 4451 AC Power Cord (UK), C13, BS 1363, B-1.5m 4G DRAM (2G+2G) for Cisco ISR 4400 8G eUSB Flash Memory for Cisco ISR 4451 Cover for empty 2nd Power Supply slot on Cisco ISR 4451 ISRWAAS RTU for 1300 connections SWSS UPGRADES ISRWAAS RTU for 2500 connections 2G DRAM (1 DIMM) for Cisco ISR 4400 Data Plane WAAS and VWAAS Right to Use for 2500 connections SWSS UPGRADES WAAS and VWAAS Right Blank faceplate for NIM slot on Cisco ISR 4400 Cisco ISR 4400 Series IOS XE Universal Service Duration: 36 Months</p>	<p>NOT QUOTED</p>	<p>UNIT PRICE = USD 18,555.00 TOTAL PRICE= USD 18,555.00</p> <p>CISCO ISR 4451 1 x Cisco ISR 4451 (4GE,3NIM,2SM,8G FLASH,4G DRAM) 1 x SOLN SUPP 8X5XNBD Cisco ISR 4451 (4GE3NIM2SM8G FLASH4G D 1 x IP Base License for Cisco ISR 4400 Series 1 x AppX License for Cisco ISR 4400 Series 1 x AC Power Supply for Cisco ISR 4450 and ISR4350 1 x AC Power Cord (UK), C13, BS 1363, 2.5m 1 x 4G to 8G DRAM Upgrade (4G+4G) for Cisco ISR 4400 1 x 8G to 16G Compact Flash Memory Upgrade for Cisco ISR 4450 1 x Cover for empty 2nd Power Supply slot on Cisco ISR 4450 1 x ISRWAAS RTU for 2500 connections 1 x SOLN SUPP SWSS WAAS and VWAAS Right to Use for 2500 con 2 x 2G DRAM (1 DIMM) for Cisco ISR 4400 Data Plane 1 x WAAS and VWAAS Right to Use for 2500 connections 3 x Blank faceplate for NIM slot on Cisco ISR 4400 1 x Cisco ISR 4400 Series IOS XE Universal</p>	<p>NOT QUOTED</p>	<p>NOT QUOTED</p>	<p>NOT QUOTED</p>	<p>UNIT PRICE = USD 18,350.67 TOTAL PRICE= USD 18,350.67</p> <p>CISCO ISR 4451 1 x Cisco ISR 4451 (4GE,3NIM,2SM,8G FLASH,4G DRAM) 1 x 3YR SNTC 8X5XNBD Cisco ISR4451 (4GE,3 1 x IP Base License for Cisco ISR 4400 Series 1 x AppX License for Cisco ISR 4400 Series 1 x AC Power Supply for Cisco ISR 4450 and ISR4350 1 x AC Power Cord (UK), C13, BS 1363, 2.5m 1 x 4G DRAM (1 x 4G) for Cisco ISR 4400 1 x 8G eUSB Flash Memory for Cisco ISR 4430 1 x Cover for empty 2nd Power Supply slot on Cisco ISR 4450 1 x ISRWAAS RTU for 2500 connections 2 x 2G DRAM (1 DIMM) for Cisco ISR 4400 Data Plane 1 x WAAS and VWAAS Right to Use for 2500 connections 1 x SWSS UPGR 3YR DISTI WAAS and VWAAS Right 3 x Blank faceplate for NIM slot on Cisco ISR 4400 1 x Cisco ISR 4400 Series IOS XE Universal</p>	<p>NOT QUOTED</p>	<p>NOT QUOTED</p>	<p>MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.</p>

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LOT # 01 | NETWORK EQUIPMENT/ACCESSORIES (E). DISTRIBUTION SWITCH | QTY – 03

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
WS-C3850-12XS-S Cisco Catalyst 3850 12 Port 10G Fiber Switch IP Base SNTC-8X5XNBD Cisco Catalyst 3850 12 Port 10G Fiber Sw UNIVERSAL 715W AC Config 1 Secondary Power Supply United Kingdom AC Type A Power Cable 50CM Type 1 Stacking Cable Catalyst Stack Power Cable 30 CM Cisco Catalyst 3850 Network Module Blank 350W AC Config 1 Power Supply DNA SUBSCRIPTION OPTOUT C3850-24XS LAN Base to IP Base E- Delivery License Service Duration: 36 Months	NOT QUOTED	UNIT PRICE = USD 12,048.67 TOTAL PRICE= USD 36,146.00 CISCO Catalyst 3850 12 Port 10G Fiber Switch IP Base SOLN SUPP 8X5XNBD Cisco Catalyst 3850 12 Port 10G Fiber Sw UNIVERSAL 715W AC Config 1 Secondary Power Supply United Kingdom AC Type A Power Cable 50CM Type 1 Stacking Cable Catalyst Stack Power Cable 30 CM Cisco Catalyst 3850 Network Module Blank 440W DC Config 1 Power Supply DNA SUBSCRIPTION OPTOUT C3850- 24XS LAN Base to IP Base E- Delivery License	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = USD 12,037.14 TOTAL PRICE= USD 36,111.43 CISCO Catalyst 3850 12 Port 10G Fiber Switch IP Base 3YR SNTC 8X5XNBD Cisco Catalyst 3850 12 Port 10G Fiber S UNIVERSAL 715W AC Config 1 Secondary Power Supply United Kingdom AC Type A Power Cable 50CM Type 1 Stacking Cable Catalyst Stack Power Cable 30 CM Cisco Catalyst 3850 Network Module Blank 350W AC Config 1 Power Supply DNA SUBSCRIPTION OPTOUT C3850- 24XS LAN Base to IP Base E- Delivery License	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.

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LOT # 01 | NETWORK EQUIPMENT/ACCESSORIES (F). ACCESS SWITCH & ACCESSORIES

S#	ITEMS	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS	
1	<p>WS-C2960L-24PS-LL QTY 06 Catalyst 2960L 24 port GigE with PoE, 4 x 1G SFP, LAN Lite SNTC-8X5XNBD Catalyst 2960L 24 po AC Power Cord (UK), C13, BS 1363, B-1.5m Service Duration: 36 Months</p> <p>WS-C2960L-48PS-LL QTY 04 Catalyst 2960L 48 port GigE with PoE, 4 x 1G SFP, LAN Lite SNTC-8X5XNBD Catalyst 2960L 48 po AC Power Cord (UK), C13, BS 1363, B-1.5m Service Duration: 36 Months</p> <p>GLC-SX-MMD QTY 36 1000BASE-SX SFP transceiver module, MMF, 850nm, DOM</p> <p>GLC-LX-SMD QTY 12 1000BASE-LX SFP transceiver module, SMF, 1310nmDOM</p> <p>GLC-TE QTY 06 1000BASE-T SFP transceiver module, 850nm, DOM</p>	NOT QUOTED	<p>TOTAL PRICE = USD 33,909.00</p> <p>CISCO Catalyst 2960L 24 port GigE with PoE, 4 x 1G SFP, LAN Lite SOLN SUPP 8X5XNBD Catalyst 2960L 24 po C Power Cord (UK), C13, BS 1363, 2.5m</p> <p>CISCO Catalyst 2960L 48 port GigE with PoE, 4 x 1G SFP, LAN Lite SOLN SUPP 8X5XNBD Catalyst 2960L 48 po AC Power Cord (UK), C13, BS 1363, 2.5m</p> <p>1000BASE-SX SFP transceiver module, MMF, 850nm, DOM</p> <p>1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM</p> <p>1000BASE-T SFP transceiver module for Category 5 copper wire</p>	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	<p>TOTAL PRICE = USD 33,702.84</p> <p>CISCO Catalyst 2960L 24 port GigE with PoE, 4 x 1G SFP, LAN Lite 3YR SNTC 8X5XNBD Catalyst 2960L 24 po AC Power Cord (UK), C13, BS 1363, 2.5m UNIT PRICE = USD 2,024.30 TOTAL PRICE= USD 8,097.20</p> <p>CISCO Catalyst 2960L 48 port GigE with PoE, 4 x 1G SFP, LAN Lite 3YR SNTC 8X5XNBD Catalyst 2960L 48 po AC Power Cord (UK), C13, BS 1363, 2.5m UNIT PRICE = USD 224.70 TOTAL PRICE= USD 8,089.20</p> <p>1000BASE-SX SFP transceiver module, MMF, 850nm, DOM UNIT PRICE = USD 443.32 TOTAL PRICE= USD 5,319.88</p> <p>1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM UNIT PRICE = USD 204.00 TOTAL PRICE= USD 1,224.00</p> <p>1000BASE-T SFP transceiver module for Category 5 copper wire</p>	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.

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LOT # 01 | NETWORK EQUIPMENT/ACCESSORIES (F). ACCESS SWITCH & ACCESSORIES (...CONTINUED)

S#	ITEMS	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
	SFP+ 10G-SR-S QTY 10 10GBASE-SR SFP Module, Enterprise-Class LC-LC 3 Meter Fiber Patch Cord for GLC-SX-MMD QTY 10 SC-LC 3 Meter Fiber Patch Cord for GLC-SX-MMD QTY 30 LC-LC 3 Meter Fiber Patch Cord for GLC-LX-SMD QTY 10 LC-LC 3 Meter Fiber Patch Cord for SFP-10G-SR-S QTY 10 LC-LC 10 Meter Fiber Patch Cord for SFP-10G-SR-S QTY 10	NOT QUOTED	10GBASE-SR SFP Module, Enterprise-Class LC-LC 3 Meter Fiber Patch Cord for GLC-SX-MMD SC-LC 3 Meter Fiber Patch Cord for GLC-SX-MMD LC-LC 3 Meter Fiber Patch Cord for GLC-LX-SMD LC-LC 3 Meter Fiber Patch Cord for SFP-10G-SR-S LC-LC 10 Meter Fiber Patch Cord for SFP-10G-SR-S	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.

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LOT # 02 | STORAGE | QTY - 01

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Unified Storage The proposed system must have dual controllers with Active/Active feature. 12Gbps SAS Backend At-least 48GB Cache per array Support SSD based READ/WRITE cache (Optional) Hybrid/ Mixed Capacity of 28TB Usable on SSD Using RAID5, SAS 10K RPM Using RAID5 and RAID6 Using 4TB NL-SAS --> SSD Tier Total Usable of 1.43 TB ,SAS 2.5 10 SAS total Usable of 12.47 TB and NL-SAS 4TB 7.2K total Usable of 14.33 TB At least 4 x 16Gbps FC ports required, 4x 10Gb ISCSI,4 x 10Gbps RJ-45 or SFP+ Ports NAS required Support for RAID 0, 1, 5, 6 and 10 Storage System should be capable of hardware level encryption without any performance impact. Should have Comprehensive point-in-time snap copy software Should support Sync and A-sync Replication feature with Continuous	UNIT PRICE = USD 47,497.75 TOTAL PRICE= USD 47,497.75 DEL/EMC UNITY 400 1 x PROSUPPORT W/MISSION CRITICAL-HARDWARE 1 x UNITY 25 DRIVE DPE FLD INSTALL KIT 1 x UNITY 400 2U DPE 25X2.5 DRIVE FLD RCK 1 x UNITY 2X4 PORT 10GB ISCSI/ETH OPT IO 1 x UNITY 2X4 PORT 10GBASE-T ISCSI IO 7 x UNITY 4TB NLSAS 15X3.5 DRIVE 1 x UNITY 3U 15X3.5 DRIVE DAE FLD RCK 10 x UNITY 1.8TB 10K SAS 25X2.5 DRIVE 1 x UNITY SYSPACK 6X400GB FLASH 25X2.5 1 x UNITY HFA BASE SOFTWARE=IC 1 x PROSUPPORT W/MISSION CRITICAL-SOFTWARE	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = PKR 9,174,480.67 TOTAL PRICE= PKR 9,174,480.67 HP 3PAR StoreServ8200 1 K2Q36B HPE 3PAR 8200 2N+SW Storage Field Base 6 K2P94B HPE 3PAR 8000 1.8TB+SW 10K SFF HDD 6 K2P94B 0D1 Factory Integrated 4 R0P66A HPE 3PAR 8000 920GB SAS SFF (2.5in) SSD with All-inclusive Single-system Software 4 R0P66A 0D1 Factory Integrated 2 N9Z19A HPE 3PAR StoreServ 8000 4-port 10Gb iSCSI/10Gb NIC Combo Adapter 2 N9Z19A 0D1 Factory Integrated 1 E7Y71A HPE 3PAR StoreServ 8000 SFF(2.5in) Field Integrated SAS Drive Enclosure 6 K2P94B HPE 3PAR 8000 1.8TB+SW 10K SFF HDD 6 K2P94B 0D1 Factory Integrated 2 R0P66A HPE 3PAR 8000 920GB SAS SFF (2.5in) SSD with All-inclusive	UNIT PRICE = USD 46,999.00 TOTAL PRICE= USD 46,999.00 DEL/EMC UNITY 400 1 x PROSUPPORT W/MISSION CRITICAL-HARDWARE 1 x UNITY 25 DRIVE DPE FLD INSTALL KIT 1 x UNITY 400 2U DPE 25X2.5 DRIVE FLD RCK 1 x UNITY 2X4 PORT 10GB ISCSI/ETH OPT IO 1 x UNITY 2X4 PORT 10GBASE-T ISCSI IO 7 x UNITY 4TB NLSAS 15X3.5 DRIVE 1 x UNITY 3U 15X3.5 DRIVE DAE FLD RCK 10 x UNITY 1.8TB 10K SAS 25X2.5 DRIVE 1 x UNITY SYSPACK 6X400GB FLASH 25X2.5 1 x UNITY HFA BASE SOFTWARE=IC 1 x PROSUPPORT W/MISSION CRITICAL-SOFTWARE	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER. (1USD=161.0 PKR)

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(Member CPC)

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University of Sindh
Jamshoro
(External Member)

Mr. Azar Akbar Memon
Director, Department of Information Technology,
LUMHS, Jamshoro
(Member CPC/Co-Opted Member)

Prof. Sohail Ahmed Almani
Professor of Medicine/
Dean, Faculty of Medicine and Allied Sciences/Director Academics, LUMHS, Jamshoro
(Chairman CPC)



FINANCIAL COMPARTAIIVE REPORT

*Tender opened on 15th May 2019 for Purchase & Supply of IT Equipment for Department of Information Technology
Liaquat University of Medical & Health Sciences
Jamshoro-Sindh-Pakistan*

LOT # 02 | STORAGE | QTY - 01 (...CONTINUED)

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
<p>Data Protection Technology. Replication Should also support Data De-Duplication and Compression for efficient use of Bandwidth Proposed storage should support well-known protocols like FC, ISCSI, CIFS & NFS Provides ability to dynamically move data between different types of drives or storage tiers to ensure optimization. Data movement between storage tiers must be automated, transparent to applications and based on advanced analysis of historical data access patterns. Data movement between storage tiers must be performed at the sub logical unit (LUN) level to ensure optimization. Storage should support compression on Flash SSD drives / All flash drives pool Ability to thin or over provision space allocated to hosts, Should Support VMware VVols with concurrent support, iSCSI, and Fibre Channel protocols.</p>	<p>CRITICAL-SOFTWARE 1 x STORAGE M&R FOR UNITY=IC 1 x PROSUPPORT W/MISSION CRITICAL-SOFTWARE 1 x STORAGE M&R FOR UNITY LIC=IC 2 x DS-6505R-B 12P/24P 16GB RTF BASE SWITCH 1 x PROSUPPORT W/NBD-HARDWARE WARRANTY 1 x UNITY 4 x 16GB SFP FC CONNECTION 1 x PROSUPPORT W/MISSION CRITICAL-HW WARRANT 2 x DS-6510-B RACK MOUNT KIT 2 x C13 PWRCORDS W/ CEE7/7 PLUGS 250V 10A 24 x OM4 50/125 MICRON OPTICAL CBL LC-LC 5M 1 x APPSYNC BASIC FOR UNITY 400 =IC</p>	<p>NOT QUOTED</p>	<p>NOT QUOTED</p>	<p>NOT QUOTED</p>	<p>Single-system Software 2 R0P66A 0D1 Factory Integrated 1 E7Y72A HPE 3PAR StoreServ 8000 LFF(3.5in) Field Integrated SAS Drive Enclosure 12 K2P87B HPE 3PAR 8000 4TB+SW 7.2K LFF HDD 12 K2P87B 0D1 Factory Integrated 1 HA114A1 HPE Installation and Startup SVC 2 HA114A1 5XZ HPE Startup 3PAR 8000 Fld Int Dr Enc SVC 1 HA114A1 5XU HPE Startup 3PAR 8200 2N Fld Int Bas SVC 4 QK734A HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable 1 HA124A1 HPE Technical Installation Startup SVC 1 HA124A1 56W HPE Startup 3PAR 8K All Inc Sngl Sys SVC 6 H0JD6A1 HPE 3PAR SSD Extended Replacement SVC</p>	<p>1 x STORAGE M&R FOR UNITY=IC 1 x PROSUPPORT W/MISSION CRITICAL-SOFTWARE 1 x STORAGE M&R FOR UNITY LIC=IC 2 x DS-6505R-B 12P/24P 16GB RTF BASE SWITCH 1 x PROSUPPORT W/NBD-HARDWARE WARRANTY 1 x UNITY 4 x 16GB SFP FC CONNECTION 1 x PROSUPPORT W/MISSION CRITICAL-HW WARRANT 2 x DS-6510-B RACK MOUNT KIT 2 x C13 PWRCORDS W/ CEE7/7 PLUGS 250V 10A 24 x OM4 50/125 MICRON OPTICAL CBL LC-LC 5M 1 x APPSYNC BASIC FOR UNITY 400 =IC</p>	<p>NOT QUOTED</p>	<p>NOT QUOTED</p>	<p>MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.</p>

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LOT # 02 | STORAGE | QTY - 01 (...CONTINUED)

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
<p>The storage management software must have discovery, monitoring, asset and capacity reporting.</p> <p>The storage management software must support interception of Storage-related indications (converted SNMP traps).</p> <p>The storage management software must support the ability to produce detailed reports and graphs on storage current and historical utilization trends. The storage management software should provide integration with VMware and Hyper-V management software."</p> <p>Should support native multipath device drivers / software for the host operating systems (AIX, Windows, Linux, VMware etc.)</p> <p>SAN switches with at least 12 x 8Gbps ports Transceiver 8GFC SFP+ SW</p> <p>Three (3) years Onsite support 24/7 by Principal for the period of three years.</p>	<p>1 x PROSUPPORT W/MISSION CRITICAL-SOFTWARE</p> <p>1 x APPSYNC BASIC FOR UNITY 400 =IC</p> <p>1 x RP BASIC FOR UNITY 400/400F/450F =IC</p> <p>1 x PROSUPPORT W/MISSION CRITICAL-SOFTWARE</p>	NOT QUOTED	NOT QUOTED	NOT QUOTED	<p>1 H1K92A3 HPE 3Y Proactive Care 24x7 SVC</p> <p>1 H1K92A3 W3G HPE 3PAR 8200 2N+SW Storage Base Support</p> <p>12 H1K92A3 X84 HPE 3PAR 8000 1.8TB+SW 10K SFF HDD Supp</p> <p>12 H1K92A3 X88 HPE 3PAR 8000 4TB+SW 7.2K LFF HDD Supp</p> <p>6 H1K92A3 Y4M HPE 3PAR 8000 920GB SFF SSD Support</p> <p>2 H1K92A3 YTJ HPE 3PAR 8000 Drive Encl Support</p> <p>2 H1K92A3 YTN HPE 3PAR 8000 2/4pt 10Gb Adptr Supp</p> <p>2 QW937B HPE SN3000B 16Gb 24-port/12-port Active Fibre Channel Switch</p> <p>2 QW937B 05Y 2.4m Jumper (IEC320 C13/C14 M/F CEE 22)</p> <p>24 AJ716B HPE 8Gb Shortwave B-series Fibre Channel 1 Pack SFP+ Transceiver</p> <p>24 AJ716B 0D1 Factory Integrated</p>	<p>1 x PROSUPPORT W/MISSION CRITICAL-SOFTWARE</p> <p>1 x APPSYNC BASIC FOR UNITY 400 =IC</p> <p>1 x RP BASIC FOR UNITY 400/400F/450F =IC</p> <p>1 x PRO SUPPORT W/MISSION CRITICAL-SOFTWARE</p>	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.

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LOT# 03 | DESKTOP & LAPTOPS (A). BRANDED DESKTOP COMPUTERS (Ci7) | QTY - 220

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Processor: Branded Intel Core i7-8700 or higher Chipset: Intel B360 Chipset, TPM Enabled (Embedding of LUMHS in BIOS) Memory: 08/16GB (2 x 8) DDR4 Memory Hard Disk: 1TB 7200RPM SATA or higher Optical Drive DVD+/RW Display: 18.5 inch LED Monitor or higher USB Ports: USB Ports 4 USB 2.0/3.0 Ports Front/Rear or Higher Output: HDMI/VGA, Audio Other: Gigabit Ethernet LAN, Wifi, Bluetooth, Optical Mouse & Keyboard Warranty: 3 Years Parts and Labor	UNIT PRICE = USD 651.39 TOTAL PRICE=USD 143,306.06 Dell Vostro 3670 Desktop 8th Gen. Intel® Core™ i7-8700 Processor (12MB Cache, up to 4.6 GHz) Intel B360 (TPM Enabled & Custom BIOS) 8GB (1X8GB)/16GB (2X8GB) DDR4 2666MHz 1TB 7200 RPM SATA 6Gb/s (64MB Cache) Tray load DVD Drive Dell 19 Monitor - E1916HV – 18.5Inch "02 x USB 3.1 Ports 04 x USB 2.0 ports" 1 x HDMI 1.4 (UMA) 1 VGA Port Audio Ports Realtek RTL8111H Gigabit Ethernet controller, Dell Wireless 1707 Card (802.11bgn + Bluetooth 4.0, 1x1) Dell Wired Keyboard KB216 Black (English) Dell Wired Mouse MS116 Black 3Yr ProSupport:Next Business Day Onsite Service	NOT QUOTED	NOT QUOTED	UNIT PRICE = USD 694.00 TOTAL PRICE= USD 152,680.00 HP IDS ProDesk 400 G5 SFF PC Intel Core i7-8700 3.2 6C 65W "Intel® B360, Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10" 8GB (1X8GB)/16GB (2X8GB) DDR4 2666 APJ 1TB 7200RPM SATA-6G 3.5in 9.5mm DVD-Writer 8/6G3SFF 4G4MT/SFF HP V194 18.5-IN MONITOR "Front: 2 USB 3.1 Gen 1 Rear : 2 USB 3.1 Gen 1; 4 USB 2.0" HP HDMI Port Realtek RTL8723DE bgn 1x1 +Bluetooth 4.2 LE WW with 1 Antenna, HP Keyboard Mouse BusSlim 3/3/3 SFF Warranty Singapur-English Localization/ Asia Pacific	UNIT PRICE= PKR 103,574.00 TOTAL PRICE=PKR 22,786,280.00 HP ProDesk 400 G5 Core i7 Intel Core i7 8700 3.2 2666MHz 6C 65W CPU "Intel® B360, Trusted Platform Module TPM 2.0 Embedded Security Chip shipped" 8GB (1X8GB)/16GB (2X8GB) DDR4 2666 DIMM Memory APJ 1TB 7200RPM SATA-6G 3.5in 9.5mm DVD-Writer 8/6G3SFF 4G4MT/SFF HP V194 18.5-IN MNT (NEW MODEL REPLACING V193b) Front: 2 USB 3.1 Gen 1 Rear: 1 USB 3.1 Gen 1; 4 USB 2.0 1 VGA; 1 HDMI 2.0;Audio Ports 1 RJ-45, Realtek RTL8723DE bgn 1x1 +Bluetooth 4.2 LE WW with 1 Antenna, HP Wireless Keyboard and Mouse Business Slim Keyboard A/P 3/3/3 (material/labor/onsite) SFF Warranty A/P	UNIT PRICE = USD 627.00 TOTAL PRICE= USD 137,940.00 Dell Vostro Desktop 3670 8th Generation Intel(R) Core(TM) i7-8700 Processor (12MB Cache, up to 4.6Ghz) Intel® B360 , TPM Enabled (Embedding of LUMHS in BIOS) 16GB, (2 x 8GB) DDR4 2666MHz 1TB 7200 RPM SAT A 6Gb/s (64MB Cache) Tray load DVD Drive (Reads and Writes to DVD/CD) Dell 18.5" Monitor Front: 2x USB 3.1 Gen 1 Rear: 4x USB 2.0 HDMI, VGA, 3-stack audio jacks supporting 5.1 surround sound Gigabit Ethernet, Dell Wireless 1707 Card (802.11bgn + Bluetooth 4.0, 1x1),Dell Wired Mouse Dell Wired Keyboard Three Years Warranty	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER. (1USD=161.0 PKR)

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LOT# 03| DESKTOP & LAPTOPS (B). BRANDED DESKTOP HIGH-END COMPUTERS (Cİ7) | QTY – 30

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Processor Branded Intel Core i7-8700 or higher Chipset Intel Q370 Chipset, TPM Enabled (Embedding of LUMHS in BIOS) Memory 16/32GB (2 x 16) DDR4 Memory Support upto 64GB RAM Hard Disk 2TB 7200RPM SATA or higher Optical Drive DVD+/RW Graphics Card 2 GB or Higher Display 24 inch LED Monitor or higher with USB Type C Power Delivery USB Ports USB Ports 4 USB 2.0/3.0 Ports Front/Rear or Higher Output HDMI/VGA, Audio Display Ports and USB Type C Port Other Gigabit Ethernet LAN, Wifi, Bluetooth, Optical Mouse & Keyboard Warranty 3 Years Parts and Labor	UNIT PRICE = USD 967.37 TOTAL PRICE= USD 29,020.80 Dell OptiPlex 5060 MT Intel Core i7-8700 (6 Cores/12MB/12T/up to 4.6GHz/65W) Intel Q370 (TPM Enabled & Custom BIOS) 16GB (1x16GB) / 32GB (2x16GB) DDR4 2666MHz UDIM Non-ECC 3.5" 2TB (7,200 Rpm) Serial ATA 8x DVD+/-RW 9.5mm Optical Disk Drive NVIDIA GeForce GT 730, 2GB, FH (DP/DP) Dell 24 Monitor - P2419HC "4 x USB 3.1 Ports 2 x USB 2.0 Ports ""02 x DisplayPorts1 x HDMI 2.0b Video Port for Tower Audio Port 1 x USB Type C port Additional HDMI 2.0b Video Port for Tower" "Intel i219-V Gigabit1 Ethernet LAN 10/100/1000 Qualcomm QCA9377 Dual-band 1x1 802.11ac Wireless with MU-MIMO + Bluetooth 4.1, Dell Wired Keyboard KB216 Black (English), Dell Wired Mouse MS116 Black 1" 3Yr ProSupport:Next Business Day Onsite Service	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = PKR 142,366.00 TOTAL PRICE=PKR 4,270,950.00 HP EliteDesk 800 G4 Intel Core i7 8700 3.2 2666MHz 6C 65W CPU Intel® Q370, Trusted Platform Module (TPM) 2.0 (Infineon SLB9670) 16GB (1x16GB) / 32GB (2x16GB) DDR4 2666 APJ HDD 2TB 7200RPM SATA-6G 3.5in 9.5mm DVD-Writer G3 800/600 Tower NVIDIA GeForce GT730 2GB DP DVI PCIe x8 GFX LED HP 24" N246V Rear: 2 USB 2.0; 2 USB 3.1 Gen 1; 2 USB 3.1 Gen 2; Front: 1 USB 2.0; 1 USB 2.0 (fast charging); 1 USB 3.1 Type-C™ (charging); 2 USB 3.1 Gen 2" 1 HDMI 2.0; 1 VGA, Optional: 1 DisplayPort™ 1.2; 1 USB 3.1 Type-C™ Gen 1 DisplayPort™); Audio Ports" 1 RJ-45, Realtek ac 1x1 +Bluetooth 4.2 LE WW 3/3/3 (material/labor/onsite) TWR Warranty A/P	UNIT PRICE = USD 843.00 TOTAL PRICE= USD 25,290.00 Dell OptiPlex 5060 MT 8th Gen Intel Core i7-8700 (6 Cores/12MB/12T/up to 4.6GHz/65W) Processor Yes - Intel Q370 Chipset, TPM Enabled (Embedding of LUMHS in BIOS) 32GB 2x16GB DDR4 2666MHz UDIMM Non-ECC 3.5" 2TB (7,200 Rpm) Serial ATA 8x DVD+/-RW 9.5mm Optical Disk Drive NVIDIA GeForce GT 730, 2GB, FH (DP/DP) Dell 24 Monitor - P2419HC with USB Type-C port External USB: 5 x 3.1 Gen 1 Type-A (1 front - PowerShare/4 rear - 1 SmartPower On) Additional HDMI 2.0b Video Port For Tower 1 RJ-45, Qualcomm QCA9377 Dual-band 1x1 802.11ac Wireless with MU-MIMO + Bluetooth Dell Wired MouseDell Wired Keyboard Three Years Warranty	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER. (1USD=161.0 PKR)

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LOT # 03 | DESKTOP & LAPTOPS (C). BRANDED LAPTOPS (C7) | QTY – 15

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Processor: "Branded: Intel Core i7 8th generation or higher TPM Enabled (Business Machine) Memory: 8/16GB DDR4 2400Mhz Hard Disk: 512SSD/1TB SATA/Hybrid or higher Communication: Dual Band Wifi, LAN Display 13.3" or smaller Webcam: 720P HD or higher USB Ports: 1 x USB 2.0 or higher AND 1 x USB 3.0 or Higher Output: HDMI Port Other: Bluetooth Mouse Carrying Case: Carrying case of Same brand Warranty: 3 Years	UNIT PRICE = USD 949.04 TOTAL PRICE= USD 14,235.59 Dell Latitude 5290 Intel Core i7-8650U Processor (Quad Core, 8M Cache, 1.9GHz,15W, vPro), TPM 2.0 Security 8GB (1X8GB) / 16GB (2X8GB) DDR4 Memory,2400 MHz,Non-ECC 2.5" 1TB 5400RPM Solid State Hybrid Drive w/ 8GB Flash "10/100/1000 Ethernet Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter+ BT 4.2,1 RJ-45" 12.5" HD (1366 x 768) Non- Touch LCD RGB Camera 2 USB 3.1 Gen 1 HDMI Port Dell Wireless Travel Mouse WM326 Dell Essential Backpack 15 3Yr ProSupport:Next Business Day Onsite Service	NOT QUOTED	NOT QUOTED	UNIT PRICE =USD 806.00 TOTAL PRICE=USD 12,090.00 HP ProBook 430 G5 HP IDS UMA i7-8550U 430 G5 BNBPC, TPM 2.0 added 8GB (1X8GB) / 16GB (2X8GB) DDR4 2400 512GB PCIe NVMe Three Layer Cell Solid State Drive Intel 3168 ac 1x1 nvP +Bluetooth 4.2 LE WW with 2 Antennas 13.3 inch FHD (1920x1080) Anti-Glare LED UWVA for HD Webcam with 2 Antennas ultraslim Integrated HD 720p DualAryMic Webcam HP X4000b Bluetooth Mouse DIB HP Basic Carrying Case 3/3/0 Warranty Asia Pacific English Localization	UNIT PRICE = PKR 119,497.00 TOTAL PRICE=PKR 1,792,455.00 HP ProBook 430 G5 1LR38AV - HP IDS UMA i7- 8550U 430 G5 Base NB PC, TPM 2.0 added 8GB (1X8GB) / 16GB (2X8GB) DDR4 2400 512GB PCIe NVMe Three Layer Cell Solid State Drive 1 RJ-45, Intel 3168 ac 1x1 nvP +Bluetooth 4.2 LE WW with 2 Antennas 13.3 inch FHD (1920x1080) Anti-Glare LED UWVA for HD Webcam with 2 Antennas ultraslim Integrated HD 720p DualAryMic Webcam 2 USB 3.0 (1 charging) 1 HDMI 1.4b; 1 VGA; HP X4000b Bluetooth Mouse DIB HP Basic Carrying Case 3/3/0 Warranty A/P	UNIT PRICE = USD 843.00 TOTAL PRICE=USD 12,645.00 Dell Latitude 5290 8th Gen Intel Core i7-8650U Processor (Quad Core, 8M Cache, 1.9GHz,15W, vPro), TPM 2.0 Security 8GB, 1x8GB, DDR4 2400MHz Memory 2.5" 1TB 5400RPM Solid State Hybrid Drive w/ 8GB Flash 1 RJ-45, Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter+ Bluetooth,1 RJ-45 12.5" HD (1366 x 768) Non- Touch LCD Non-Touch LCD bezel RGB camera+Mic Dell Wireless Travel Mouse WM326 Dell Essential Backpack 15 Three Years Warranty	NOT QUOTED	NOT QUOTED	JBS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER. (1USD=161.0 PKR)

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LOT # 03 | DESKTOP & LAPTOPS (D). PROCESSOR FOR BLADE SERVER | QTY - 04

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Processor: Intel Xeon E5-2630L v3 1.8GH2,20M Cache,8.00cT/s QPI,Turbo,HT,8C/16T (55W) Max Mem 1 866MHz x4 HeatSink: 104mm CPU Processor Heatsink 5JNGY Warranty 3 Years Parts & Labor	UNIT PRICE = USD 966.87 TOTAL PRICE= USD 3,867.48 "Processor: Intel® Xeon® Processor E5-2630 v3 20M Cache, 2.40 GHz, 8 GT/s QPI, Turbo, HT, 8C/16T (55W), QTY=4" HeatSink: 10nm CPU Processor Heatsink 5JNGY, QTY=4	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = USD 926.00 TOTAL PRICE = USD 3704.00 "Processor: Intel Xeon E5-2630L v3 1.8GHz,20M Cache,8.00GT/s QPI,Turbo,HT,8C/16T (55W) Max Mem 1866MHz,Customer Kit, QTY=4" HeatSink: CPA-5JNGY - ASSY,HTSNK,CPU1,104MM,FC630, QTY=4	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER.

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LOT# 04 | SMART CLASS SOLUTION (A). PRESENTERS | QTY - 12

ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Laser Class: Class 2 Laser or Higher Max Output: Less than 1mW Wave Length: 640~660nm (red light) or Higher Battery type: AAA batteries Wireless operating distance: 10m or Higher Wireless technology: 2.4 GHz wireless technology Supported OS: Windows 7, Windows 8, Windows 10, Mac OS X Interface: USB 8GB Micro SD card stores presentations, fits inside wireless receiver Green laser pointer is 10x brighter Extended 150-foot or higher wireless range to roam the room	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	ITEM IN LOT-4/CAT-A WOULD BE RETENDERED AS NO ONE HAS PARTICIPATED IN THIS CATEGORY.

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LOT# 04 | SMART CLASS SOLUTION (B).SMART BOARDS | QTY - 02

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
<ul style="list-style-type: none"> ▪ Interactive Whiteboard System & Tutor Software for Android Devices: ▪ 86" Interactive Board ▪ iQ technology (devices, lesson content and software together) ▪ Touch of a finger ▪ The embedded computer for one-touch access to Learning Suite applications for lessons and activities. Digital whiteboard, web browser and wireless screen sharing (iOS, Android and Microsoft devices) ▪ Tutor Software to connect iOS, Android and Microsoft devices ▪ Real-time student assessment ▪ Class Surveys ▪ Student Register ▪ Lesson Objectives Launch Websites ▪ Student Rewards ▪ File Transfer ▪ Lock/Blank Screen 	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	ITEM IN LOT-4/CAT-B WOULD BE RETENDERED AS NO ONE HAS PARTICIPATED IN THIS CATEGORY.

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FINANCIAL COMPARTATIVE REPORT

*Tender opened on 15th May 2019 for Purchase & Supply of IT Equipment for Department of Information Technology
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LOT# 04 | SMART CLASS SOLUTION (C). PORTABLE SOUND SYSTEM FOR LABS | QTY - 07

ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
<ul style="list-style-type: none"> ▪ 12" Portable 1200W Speaker PA System with Wireless Mic, Bluetooth, USB, SD, Rechargeable battery ▪ Bluetooth Function / Recording Function / Built in USB & SD reader slots For direct playback / FM Radio VHF wireless handheld microphone with FCC certified (Between 210-265Mhz Frequency)/ Dynamic Wireless Mic w/ 3 Position Power Switch & LED / Operation Range: 120ft (35 Meters) 	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	ITEM IN LOT-4/CAT-C WOULD BE RETENDERED AS NO ONE HAS PARTICIPATED IN THIS CATEGORY.

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LOT# 04 | SMART CLASS SOLUTION (D). SMART PODIUM | QTY – 02

ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Smart Podium with Podium Stand Standard Size Full HD 1920 x 1080 Resolution Built in Wifi 802.11 a/b/g/n Pen = Battery-free, tethered pad with LED indicator HDMI/DVI/VGA Ports Input / Output Interface= USB 3.0 for PC interface USB for Keyboard, Mouse and Memory Compatible with third party projector Required cables and mounting accessories	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	ITEM IN LOT-4/CAT-D WOULD BE RETENDERED AS NO ONE HAS PARTICIPATED IN THIS CATEGORY.

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LOT # 05 | SOFTWARE (A). ANTIVIRUS & ANTI-MALWARE | QTY - 1500 USERS

ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Server-Client Architecture: "Must provide Full disk and folder level AES 256-bit encryption, Mobile Security, Anti-malware, Vulnerability Scanning, Automated Patch Management, Network Admission Control, Inventories, Application Control, Web Control, Dynamic whitelisting, Network Attack Blocker" Subscription For: 3 Years	UNIT PRICE = USD 53.01 TOTAL PRICE= USD 79,509.60 PRICE WITH GST = USD 93,026.23 Trend Micro - Smart Protection for Endpoints " Trend Micro Smart Protection for Endpoints delivers multiple layers of security for the endpoint and can be deployed on-premise, in the cloud, or in a hybrid model. The suite includes Trend Micro Control Manager, Integrated DLP, OfficeScan, Worry-Free Business Services, Trend Micro Application Control, Trend Micro Endpoint Encryption, and Trend Micro Mobile Security." Subscription: 3 Years QTY :1500 Users	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = PKR 3,006.00 TOTAL PRICE=PKR 4,509,171.00 PRICE WITH GST= PKR 5,275,730.00 Kaspersky Endpoint "Full Disk & Folder level AES 256-bit encryption - Fully Comply Mobile Security - Fully Comply Anti-malware - Fully Comply Vulnerability Scanning - Fully Comply Automated Patch Management - Fully Comply Network Admission Control - Not Comply Inventories - Fully Comply Application Control - Fully Comply Web Control - Fully Comply Dynamic Whitelisting - Fully Comply Network Attack Blocker - Fully Comply Kaspersky Endpoint Security for Business - Advanced Middle East Edition. 1500-2499" 3 Years Public Sector License 1500-2499 Users	UNIT PRICE = USD 50.8 TOTAL PRICE= USD 76,200.00 PRICE WITH GST=USD 89,154.00 Kaspersky Endpoint Security for Business Advance Middle East Edition 1500-2499 3 Years Public Sector License	NOT QUOTED	UNIT PRICE=PKR 3,237.00 TOTAL PRICE=PKR 5,218,000.00 PRICE WITH GST=PKR 6,090,560.00 Endpoint Security Kaspersky Lab Kaspersky Endpoint Security for Business- ADVANCED 3 Years Support & Subscription 1500 Nodes	JBS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER. (1USD=161.0 PKR)

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LOT # 05 | SOFTWARE (B). VM Ware vSphere | QTY - 08 LICENSES

ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
VMware VSphere Standard 6.5 or Higher	UNIT PRICE = USD 1,475.28 TOTAL PRICE= USD 11,802.24 VMware vSphere Standard 6.5 or Higher 3 Years Support Subscription VMware vSphere Standard, 1CPU, 3YR License/Maintenance ProSupport for Software, VMware, vSphere Standard, 1 CPU, 3 Years, QTY=8	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = PKR 1,897,897.00 TOTAL PRICE= PKR 15,183,179.00 PRICE WITH GST = PKR 17,764,319.00 VMware vSphere Academic VMware vSphere 6 Standard for 1 processor. Academic Production Support/Subscription VMware vSphere 6 Standard for 1 processor for 3 year,	UNIT PRICE = USD 1,457.00 TOTAL PRICE= USD 11,656.00 PRICE WITH GST= USD 13,637.5 VMware vSphere Academic VMware vSphere 6 Standard for 1 processor QTY=8, Academic Production Support/Subscription VMware vSphere 6 Standard for 1 processor for 1 year QTY=8, Academic Production Support/Subscription VMware vSphere 6 Standard for 1 processor for 3 years QTY=8	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER. (1USD=161.0 PKR)

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LOT # 05 | SOFTWARE (C). BUSINESS INTELLIGENCE REPORTING TOOL | QTY – 10 LICENSES

ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Business Intelligence Reporting Tool with Perpetual Licenses	UNIT PRICE = USD 980.00 TOTAL PRICE= USD 9,800.00 PRICE WITH GST= USD 11,466.00 Qlik Sense Business Intelligence Reporting Tool with Perpetual Licenses, QTY=10	NOT QUOTED	NOT QUOTED	NOT QUOTED	UNIT PRICE = PKR 1,278,702.00 TOTAL PRICE= PKR 12,787,024.00 PRICE WITH GST= PKR 14,960,818.00 Qlik Sense Professional License (Perpetual) License Key (1 Professional Licenses) Qlik Sense Analyzer Licenses (Perpetual) License Key (9 Analyser Licenses) Annual Maintenance Support Cost 21% of total licenses cost for first year	UNIT PRICE = USD 969.00 TOTAL PRICE= USD 9,690.00 PRICE WITH GST= USD 11,337.3 Microsoft Power BI Pro for Government for 3 Years	NOT QUOTED	NOT QUOTED	MEGA PLUS BEING FIRST LOWEST IS QUALIFIED FOR PURCHASE ORDER. (1USD=161.0 PKR)

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LOT # 06 | DISPLAY (A). SMART LED TV 50 INCH | QTY – 05

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Display Screen Size 50” or Higher Ultra Slim, 4K Ultra HD LED, 3840x2160 resolution or higher, 16:9 Aspect ratio Computer inputs on all HDMI up to 4K Ultra HD 3840x2160 Video inputs on all HDMI @ 24, 25, 30, 50, 60Hz and up to 4K Ultra HD 3840x2160p or higher Sound Output RMS: 16W, Virtual Sound, Auto Leveler Connectivity 3 x HDMI connections, 3 x USBs Connection, Built-in Wifi, Built-in 1T1R Single band, Ethernet-LAN RJ-45, Digital audio out (coaxial), Audio Out (3.5mm), 1 x PC-In VGA, 1 x Number of AV connections	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	Samsung Smart TV NU7100 Display : Screen Size 49” 4K UHD Resolution (3,840 x 2,160) Clean Cable Solution Smart Things Sound: Dolby Digital Plus 20 Watt 2 Channel Connectivity: 3 HDMI Connections, 2 USB Connections, 1 Component Video Input (shared), 1 Composite Video Input (shared), 802.11n built-in Wi-Fi RS232 Control (requires adaptor), Optical Audio Output Port Warranty: 1 Year Warranty	NOT QUOTED	ITEM IN LOT-06/CAT-A WOULD BE RETENDERED AS THE TECHNICAL BID OF PARTICIPATING FIRM (M/S RAJPUT) HAS BEEN REJECTED.

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LOT # 06 | DISPLAY (B). MULTIMEDIA PROJECTOR | QTY - 10

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Resolution WUGA (1920x1200) Brightness (Typical) 3500 Lumens or Higher Display System LED Computer Compatibility Mini D-sub 15-pin (female) Audio input HDMI input (HDCP Support) LAN Wireless USB Video Out Audio Out Projection Method Front, rear, ceiling Other Mounting Kit, HDMI 15 Meters Cable, Power Cord 10 Meters, Carrying Case Warranty: 3 Years Parts and Labor	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	HITACHI CP-X3542WN Resolution: XGA (1024 x 768) Brightness (Typical): 3,700 ANSI lumens white/color output Display: 3 LCD Technology Computer Compatibility/ Terminals: "Power saving standby mode less than 0.5W VGA, HDMI, USB & LAN 16 Watts Mono Audio Output COMPUTER IN 1 Mini-D-sub 15-pin connector x 1 COMPUTER IN 2 Mini-D-sub 15-pin connector x 1 MONITOR OUT Mini-D-sub 15-pin connector x 1 (Shared with Computer In2) VIDEO IN RCA connector x 1 HDMI HDMI (HDCP compliant) x 2 (HDMI 1 shared with MHL(Ver1.0)) AUDIO IN 3.5mm stereo mini connector x 2, RCA connector L/R x 1 AUDIO OUT 3.5mm stereo mini connector x 1 Microphone Input 3.5mm mono mini connector x 1 Control (RS232C) D-sub 9-pin connector x 1 LAN RJ45 Connectorx1 USB-A USB type A x 2 (PC Less Presentation or Wireless adapter) USB-B USB type B x 1 (USB display or USB mouse control)" Projection Method: Front & Rear Both Others: Mounting Kit, HDMI Cable (15 Meter), VGA Cable 15 Meter Power Cord (10 Meter), Channel Duct (45 ft.) Warranty: 1 Year Warranty with free installation	NOT QUOTED	ITEM IN LOT-06/CAT-B WOULD BE RETENDERED AS THE TECHNICAL BID OF PARTICIPATING FIRM (M/S RAJPUT) HAS BEEN REJECTED .

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LOT # 07 | MISCELLANEOUS (A). RACK MOUNTED UPS 1.5KVA-TRUE ONLINE | QTY - 15

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Power 1.5kVA/1.35kW True Online Runtime Up to 20 minutes at full load (70% Load) Input Voltage 230Vac (115-280Vac), 50/60Hz Output Connection 6xIEC320 C13 Output Voltage 200/208/220/230/240Vac+/- 3%, 50/60Hz auto-sensing Warranty: 3 Years Parts & Labour	NOT QUOTED	NOT QUOTED	BPC Brand Line Interactive UPS PSX 1000 (VA) Power: Power Rating (VA) 1000, Power Rating (Watts) 500 RunTime: Approximately 30 Minutes Input Voltage: Nominal Voltage: 230 Vac, Voltage Range: 140-300 Vac, Frequency: 50 Hz / 60 Hz (Auto Sensing) Output Connection: C13 x 4 Output Voltage: "Nominal Voltage: 230vac Frequency: 50 Hz ± 1 Hz Transfer Time: Typical 4-8ms, max. 10ms Overload capacity 110% ± 10% (Shutdown after 5 minutes, 120% ± 20% (Shutdown immediately)"	NOT QUOTED	UNIT PRICE = PKR 93,265.00 TOTAL PRICE= 1,398,980.00 PRICE WITH GST = 1,636,807.00 Liebert GXT4-1500RT230 Power: GXT4 On-Line 1500VA 230V LCD PF0.9 2U Extended Run Rack/Tower Multilink® Software, Rail Kit Bundled, 1350W RunTime: 3-11 Minutes of Battery Backup Time at Full load Input Voltage: 230VAC nominal; variable based on output load Output Connection: C13 x 6 Output Voltage: 200/208/220/230/240VAC (user configurable); ±3% Warranty 3 Years	NOT QUOTED	NOT QUOTED	NOT QUOTED	MARKET SURVEY IS REQUIRED IN ORDER TO DETERMINE PRICE SUITABILITY WITH RESPECT TO BID SUBMITTED BY M/S JBS AS TECHNICAL BID SUBMITTED BY M/S GEMCO HAS BEEN REJECTED. (1USD=161.0 PKR)

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LOT # 07 | MISCELLANEOUS (B). LASER PRINTER | QTY - 15

ITEM	ASTRONTECH	COMMTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Laser Printer With Network Support Print Speed Black Print Speed Up to 40ppm Standard Connectivity: Hi- speed USB 2.0 port Host USB 2.0 Ethernet 10/100/1000T network Two Sided Printing: Automatic Display: 2-Line LCD, Paper Handling Tray 1: Up to 100 sheets Tray 2: Up to 250 sheets Warranty: 3 Years Parts and Labor	NOT QUOTED	NOT QUOTED	BROTHER MFC-L2700 DW Print Speed: Up to 27 ppm Standard Interfaces/Connectivity: Wireless 802.11 1b/g/n, Ethernet, Hi Speed USB 2.0 Duplex Printing Capability: Yes Display: 2-Line Mono Paper Handling: Input Capacity: 250-Sheet Capacity Lower Paper Tray, Plus Single-Sheet manual feed slot. Output Capacity: 100 Sheets (Face Down), 1 Sheet (Faceup)	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	ITEM IN LOT-07/CAT-B WOULD BE RETENDERED AS THE TECHNICAL BID OF PARTICIPATING FIRM (M/S GEMCO) HAS BEEN REJECTED.

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LOT# 07 | MISCELLANEOUS (C). BRANDED 42U RACK & PDU WITH ACCESSORIES| QTY - 02

ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
42U Rack 600mm x 1070mm Advance Shock Rack with 7.3 KVA C13 PDU x 02 19-inch TFT (48.3 cm) console with keyboard and touchpad With complete Kit and accessories	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	ITEM IN LOT-07/CAT-C WOULD BE RETENDERED AS NO ONE HAS PARTICIPATED IN THIS CATEGORY.

LOT# 07 | MISCELLANEOUS (D). 16 PORT IP-KVM SWITCH | QTY - 02

ITEM	ASTRONTECH	COMMTTEL	GEMCO	IMRAN	JBS	MEGA PLUS	RAJPUT	TRILLIUM	REMARKS
Device Type KVM switch - 16 ports - cascable Enclosure Type Rack-mountable 1U Ports 16 x KVM port(s)	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	NOT QUOTED	ITEM IN LOT-07/CAT-D WOULD BE RETENDERED AS NO ONE HAS PARTICIPATED IN THIS CATEGORY.

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