HIGH COURT OF SINDH, KARACHI

PRELIMINARY BID EVALUATION REPORT

S.No	Description	Date & time of Submission of Bids	Date & time of Opening of Bids
1	Supply & Installation of Storage Area Network SAN, Link Balancer/ Server Load Balancer, Dry Battery UPS, CISCO Layer 3 switch, Computers with LED monitors, Laser Printers, Server Machines with licensed OS, Antivirus, Smart UPS	On or before 15th February, 2021 at 11:30 a.m.	On 15th February, 2021 at 12:00 noon
2	Method of Procurement	**Tender** **(Single Stage Two Envelopes Method)**	
3	Tender Published in Newspapers	25th January, 2021	
4	Tender Upload on websites	25th January, 2021	
5	No of bidders participated in Tender	FIFTEEN (15) Attendance Sheet enclosed	
6	Date of issuance of report	07 April, 2021	

1. Details of Bidder participated in Tender:-

Following bidders participated in the subject tender as reflected in Attendance Sheet. All bids were sealed & received on time.

S.No	Name of Bidder	NTN No.	GST No.	Contact No
1	M/s. S.M Jaffer & Co	02881276	1290999992591	0336-9222589
2	M/s. Arc Point Technologies	12732974	1220999993537	0300-8266768
3	M/s. USS Enterprises	71356443	3277876116007	0335-3062832 0345-2967168
4	M/s. Gemco	12732974	12209999	0301-2460682
5	M/s. Vorson Pvt. Ltd	2691543	1750870801319	0345-3328129 0347-2102812
6	M/s. Koninental Establishment	26364875	1750999903273	0333-2106098
7	M/s.Fatemi Impex	29587042	1700999985946	0332-3279632 0321-8700305
8	M/s. Faiz Scientific Company	09014110	1200850800891	0345-8259460
9	M/s. Commtel	36575143	030036571415	0343-2517610 0343-2517616
10	M/s. FS Technology Solution Pvt. Ltd	7299320-5	3277876127765	0313-2558001
11	M/s. Makkays	06570488	6110197237945	0302-8550401 0334-1825745
12	M/s. Astrontech Pvt. Ltd	36283363	0300362833615	0334-3918472

		25266586	0304847103864	0302-2191668
13	M/s. ICL International Pvt Ltd	25266586	0304847103864	0302-2191668 0331-2504386
14	M/s. DWP Technologies Pvt Ltd	1547178	0305850020482	0345-6135111
15	M/s. MM Corporation	23124121	1100280045282	0317-3331704 0322-8755074

2. Tender Opening:-

No objections were received on tender documents, eligibility criteria, specifications, terms & conditions and tender proceedings from any corner. Tender was opened in public on already fix date and time as mentioned above in the presence of Chairman, Members of Bid Evaluation Committee and representatives of bidders as reflected in Attendance Sheet.

3. Evaluation of Eligibility Criteria:-

All bids were evaluated on the basis of already defined eligibility criteria as mentioned below:

S.No	Name of Bidder	Mandatory Qualification/ Eligibility Criteria					
		1	2	3	4	5	6
		Complete Filled Tender Document	GST & NTN	Dealership Certificate/ MAL	Purchase Orders & Delivery Challan	Undertaking	Financial Statements
1	M/s. S.M Jaffer & Co	YES	YES	Yes	Less than required P.O.	YES	YES
2	M/s. Arc Point Technologies	YES	YES	Yes	Less than required P.O.	YES	YES
3	M/s. USS Enterprises	YES	YES	Yes	Qualified in Lot 3 and 5	YES	YES
4	M/s. Gemco	YES	YES	Yes	Less than required P.O.	YES	YES
5	M/s. Vorson Pvt Ltd	YES	YES	Lot 1,6 Yes Lot 8,9 No	Less than required P.O.	YES	YES
6	M/s. Koninental Establishment	YES	YES	Yes	Qualified in Lot 3 and 9	YES	YES
7	M/s.Fatemi Impex	YES	YES	Yes	Only qualified in Lot 5	YES	YES
8	M/s. Faiz Scientific Company	YES	YES	Yes	Yes	YES	YES
9	M/s. Commtel	YES	YES	Yes	Yes	YES	YES
10	M/s. FS Technology Solution Pvt Ltd	YES	YES	Yes	Qualified in Lot 4 and 9	YES	YES
11	M/s. Makkays	YES	YES	Yes	Yes	YES	YES
12	M/s. Astrontech Pvt Ltd	YES	YES	Yes	Qualified in Lot 5,7,9		

13	M/s. ICL International Pvt Ltd	YES	YES	Yes	Yes		YES		YES
14	M/s. DWP Technologies Pvt Ltd	YES	YES	Yes	Yes		YES		YES
15	M/s. MM Corporation	YES	YES	Yes	Qualified in Lot 7		YES		YES

Lot No	Title	Participated	Eligibility Qualified
1	**Storage Area Network - SAN with SAN Switch Architecture**	M/s.Fatemi Impex, Astrontech,FS Technology, DWP Technologies, USS Entrprises, ICL International Private Limited, Vorson Pvt. Ltd., M.M. Corporation	DWP Technologies and ICL International Private Limited
2	**Link Balancer and Server Load Balancer**	Astrontech	Nil
3	**Dry Battery UPS**	Fatemi Impex, FS Technology, Gemco, USS Enterprises, SM Jaffar, Kontinental establishment, Vorson Pvt. Ltd	USS Enterprises and Kontinental establishment
4	**CISCO Layer 3 Switch**	Commtel, FS Technology, USS Enterprises	FS Technology and Commtel
5	**Computers with LED monitors**	USS Enterprises ,Fatemi Impex, Astrontech, DWP Technologies, Faiz Scientific Company	USS Enterprises ,Fatemi Impex, Astrontech, Faiz Scientific Company and DWP Technologies
6	**Laser Printer**	Vorson Pvt Ltd.	Nil
7	**Server Machines with licensed OS**	Commtel, Fatime Impex, Astrontech, FS Technology, DWP Technologies, USS Enterprises , ICL International Private Limited, M.M. Corporation	Astrontech , DWP and M.M. Corporation
8	**Antivirus**	Commtel, Astrontech, Arc Point, FS Technology, DWP Technologies, Kontinental Establishment, Vorson Pvt. Ltd.	Commtel and DWP TECHNOLOGIES
9	**Smart UPS (20KVA)**	Astrontech , FS Technology, MAKKAYS , KONTINENTAL ESTABLISHMENT,USS Enterprises, SM Jaffar, Vorson Pvt Ltd	Astrontech , FS Technology, MAKKAYS and KONTINENTAL ESTABLISHMENT

4. Evaluation of Technical Proposals:-

Lot No 1: Storage Area Network - SAN with SAN Switch Architecture

LOT #	HC Requirement	DWP	ICL
	MAL	Yes	Yes
LOT 1	DELL EMC	Dell EMC Unity XT 380 Hybrid DPE	FUJITSU Storage Eternus DX200 S5 Disk System
	# Supply, Installation and commissioning of Storage Area Network - SAN with SAN Switch Architecture Unified SAN Storage supporting Multi-Protocol (Block & File Level)	Unity 380 Hybrid DPE, 25x2.5 Customer Supplied Rack (high Line Power 200V-240V)	Unified SAN Storage supporting Multi-Protocol
	# Raw - 36 TB Usable 20 TB or higher.	Yes	Usable 20 TB or higher.
	# Cache Minimum 128GB per array or higher	128 GB	128GB cache per storage array
	# Storage Controller Dual Redundant Storage Controllers with Active-Active Configuration.	Controller 12gb SAS	Dual Redundant Storage Controllers with Active-Active Configuration
	RAID Supporting RAID levels 0, 1, 10 and distributed RAID 5 and 6	1/0,5,6	Support RAID Levels 0,1,1+0,5,5+0,6
	Redundancy End to End Redundant Connections with No Single Point of Failure	YES	YES
	RAW Storage 19x1.8 TB 10K RPM SAS Disk Drives 2.5 inch form factor (20.7 Tb Raw).	Starter Pack Drives: D4 SYSPACK 4x1.8 TGB 10K SAS 25x2.5, Additional Drives: Unity 19x 1.8 TB10K SAS 25x2.5 Drive	20.7 TB Raw Capacity with 1.8 TB SAS 10K RPM Disk Drives (2.5 inch)
	6x800 GB SSD Flash 2.5 Form Factor (4.68 TB Raw)	Additional Drives:D4 800 GB SAS Flash 25x2.5 SSD	6x800 GB SSD Flash 2.5inch
	# Modular Design Should have a Modular Design which may be upgradable	Yes	Yes
	# Power and Cooling Redundant Power and Cooling	Two power supplies per DPE/DAE	Redundant Power Supplies and Redundant Cooling, Fans
	# Rack Rails Rack Mount Kit with all Accessories	Rack Mounting Kit & Accessories	Rack Mount Kit with all Accessories
	# Management Web based Management software	Yes	Yes

# Expandability Should support a minimum of 500 Drives or more	Supports maximum 500 drives	Support 264 Drives and Expandability next upgrade model up to 528 Drives Support
# Front End Fc Ports 2 x 4 Ports 16 Gbps FC I/O Module per Array or higher	24	2 x 4 Ports 16 Gbps FC I/O Module per Array
# Software Features Required Vvol Support	supports Vvol 2.0	Vvol Support
# Thin Provisioning Should support Automated policy based Data movement between Different Storage Tiers (if required in future)	Support Local Protection such as thin cloning, snapshot etc. and Automated Data movement between Different Storage Tiers	Built-in features, Storage array is provided with Thin Provisioning and space reclaim system.
# Dynamic Volume Migration between different Storage Tiers or Storage Systems	Native Block & File migration from Dell EMC Vnx	Supported
# Dynamic Volume/Lun Expansion	LUN array 1000, Lun size 256TB	Supported
# Host Connectivity 500 or higher	Max SAN Host 512	1024
# Drive Intermixing Ability to Intermix different Disk Drive Types in the same enclosure	Disk Array Enclosure FLASH & SAS	Supported
# Drive Form Factor Should support 2.5" Disk Drives	DAE 2.5	2.5" Disk Drive Controller Enclosure
# SAN to SAN Replication Should support SAN to SAN Replication (if required in future)	Support Native Synchronous and Asynchronous Block & File replication.	Supported
# Warranty Three Years Standard Warranty with (24x7) support	Warranty 12 months + 24 months Hardware Support	3 Years Onsite Warranty with (24x7) support
San Switch Brocade Gen 6 Based 24 Port San switch or equivalent or higher	CTX DS-6610B *P/24P Switch w/rear to front air flow (includes 8x16Gb SFPs+rack kit).	Fujitsu Brocade G610 24 ports x 16G SWL
# Active Ports 12 ports active		16 ports active
# SFPs 12 X 16 Gbps Sw SFPs	Connectrix DS-6610B 8 Port 16G SFP Port on Demand Upgrade Kit.	16x16Gbps SFT +, SWL (MMF), 16GB/s

# FC Cables 6 X 5 Meter OM3 LC/LC FC Cable	Dell Networking Cable, OM4, LC/LC, Fiber Cable, Optics required, 5 Meter	6 X 5 Meter OM4 MMF, 5m, LC/LC FC Cable
# FC Cables 6 X 10 Meter OM3 LC/LC FC Cable	Dell Networking Cable, OM4, LC/LC, Fiber Cable, Optics required, 10 Meter	6 X 10 Meter OM4 MMF, 5m, LC/LC FC Cable
# Rack Rails Rack Mount Kit with all Accessories	Rack mounting Kit Jumper Cord 12A 4M C13/C14	Fixed Rack Mount Kit with All accessories
# Warranty Three Years Standard Warranty with (24x7) support	Parts only Warranty 12 Months-ACDTS, 12 Months. Pro Support Plus nad Next Business Day. Onsite Service-ACDTS, ACDTS, 36 Months- No Installation Services Selected PE/001 Handling Insurance charges(DDD|Pk NpBgAfSr	3 Years Warranty with (24x7) support
Remarks		1. Expandability 500 Drives are required. 2. Hard drives not according to requirements
Qualified Preliminary technical criteria (Yes/No)	Yes	No

Technically Qualified	Technically Non-Qualified
DWP	ICL

Lot No 2 - Link Balancer and Server Load Balancer

Only MS Astrontech participated in Lot #2 but could not qualified eligibility criteria due to non-availability of Purchase Order

Lot No 3 - Dry Battery UPS

LOT 3	HC Requirement	M/s. USS Enterprises	KONTINENTAL ESTABLISHMENT
3.1	Recommended Make: Emerson or equivalent/ higher Standard	Powerage Co. CA, PAE-LISB-650VA	KSTAR China / Model No. UA - 60.
	600/700 VA,	650VA	600 VA
	Backup Time: 10-15 Min	10-15 Min	10 to 15 Minutes
	Circuit Warranty: Minimum 2 Years	2 Years UPS	2 Years
	Battery Warranty: Minimum 1 Year a/w all required accessories	1 Year.	1 Year
	Qualified Preliminary technical criteria (Yes/No)	**Yes**	**Yes**

LOT No: 4 - CISCO Layer 3 Switch

LOT 4	HC Requirement	FS Technology	COMMTEL
	MAL	Yes	Yes
	Recommended Make: CISCO	Juniper EX 4600 Series Ethernet Switches	HUAWEI S6730-H48X6C
4.1	Catalyst 4500X-32, with Fiber Support, IP Base, Front and Back Cooling, redundant power supply, with SFPs and all related accessories Warranty: 2 years Manufacture's Comprehensive warranty (with parts, labor & onsite support)	Juniper EX 4600 24 SFP+/SFP Ports, 4QSFP+ports, 2 expansion slots. Redundant Fans, 2 AC Power Supplies, Front to Back air flow, EX4600 8 port SFP+/SFP Expansion Module. Juniper Care Next Day support for EX4600 40 , Small Form Factor, Pluggable 1000 Base-SX Giga bit Ethernet Optics. Warranty: 2Years as per requirement	48*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)(*2) S67XX-H: Series Basic SW per device 10 Base -USR, Optical Transiever, SPF+, 10G, Multi mode Module (850nm, 0.1 km , LC) x32 Warranty: Hi_Care Standard S6730-H48X6C_ 24 Month(s)
	Qualified Preliminary technical criteria (Yes/No)	**Yes**	**Yes**

LOT 5	HC Requirement	M/s. USS Enterprises	FATEMI IMPEX	Astrontech	DWP	FSC *1
	MAL	Yes	Yes	YES	Yes	Yes
5.1	Recommended Make: Branded, Business Series Desktop Computer preferably from top International Brands OR Equivalent/ High Standard	Dell Vostro 3888 MT	Dell, Vostro 3888 MT	Dell OptiPlex 5080	Dell OptiPlex 5080	One Apple, OAP-HTM-17400
	Processor: 10th Generation, Ci7-10700/ 3 GHz up to 4.7 GHz or higher	Intel 10th Gen. i7-10700, 2.9 GHz to 4.8 GHz	Intel 10th Generation Core i7 10700 Processor (Up to 4.80 Ghz - 16Mb Cache)	10th Generation Intel Core i7-10700 (8-Core, 16 MB Cache, 2.9GHz to 4.8GHz,65W)	10th Generation Intel Core i7-10700(8 Core, 16 MB Cache, 209 Ghz to 4.8 Ghz, 65 W)	10th Generation, Ci7-10700/ 2.9 GHz up to 4.8 GHz or higher
	Intel Chipset 400 or equivalent/ higher standard that can support, (a). Intel 10th Generation or higher Processors, (b) DDR4 RAM 32 GB, (c)SSD 256 GB or higher, Tower/MiniTower Casing	Intel B460 Chipset, Yes Support Available., Tower/Mini Tower	Intel B460 Chipset, Yes Support Available., Mini Tower	Intel Q470 Chipset, Yes Support Available., Tower	Intel Q470 Chipset, Yes Support Available., Tower	Intel Chipset 400/Equivalent/Higher, Yes Support Available., Tower/Mini Tower
	RAM (installed): 2 X 4 GB DDR4 (Total 8 GB or higher)	1x8GB, DDR4,2666MHz	8GB DDR4 RAM	8GB (2x4GB) DDR4 Non ECC Memory	8GB(2x4GB) DDR4 Memory	RAM (installed): 4 X 2 GB DDR4 (Total 8 GB or higher)
	Hard drive (installed): 1 TB SATA (7200 rpm or higher)	1TB 7200 RPM 3.5" SATA HDD	1Tb 7200 RPM Sata Hard Drive	3.5 inch 1TB 7200rpm SATA Hard Disk Drive	3.5" 1TB 7200 rpm SATA Hard Disk Drive	Hard drive (installed): 1 TB SATA (7200 rpm or higher)

Optical Drive: DVD R-W,	Tray load DVD Drive (Reads and Writes to DVD/CD)	DVD-RW Optical Drive	8X DVD +/- RW 9.5mm Optical Disk Drive	8X DVD +/- RW 9.5 mm Optical Disk Drive	Optical Drive: DVD R-W,
LAN 10/100/1000 Gigabit Ethernet LAN and WIFI 5 (2x2) and Blue tooth 5.0	Intel 3165 1x1 2.4/5.0 GHz 802.11ac v4.2 MU-IMO, 10/100/1000 Gigabit Ethernet, Bluetooth: 4.2	Integrated 10/100/1000 Ethernet - Wifi and Bluetooth, 802.11Aac	Qualcomm QCA61x4a 802.11ac dual band 2 x 2 + Bluetooth 5	Qualcomm QCA61x4a, 802.11ac dual band 2x2, + Bluetooth 5	LAN 10/100/1000 Gigabit LAN AND wifi -5(2x2) and Bluetooth 5.0
Power Supply 180 w or equivalent/higher standard with gold efficiency.	260W EPA Internal PSU	180W Power Supply	D10 260W up to 85% Efficient Power Supply (80 Plus Bronze)	D10 260W up to 92% Efficient Power Supply(80 Plus Platinum)	180 W or equivalent/higher standard with gold efficiency.
Video Connector: HDMI and VGA	YES	YES	YES	YES	YES
External I/O Ports: USB Type-C, USB Type A (2.0 or higher)	USB 3.2 Gen 1 ports Type-A, USB 2.0 Gen 1 ports Type-A	USB 3.2 Gen 1 ports Type-A, USB 2.0 Gen 1 ports Type-A	USB 3.2 Gen 1 Type-A Ports, USB 3.2 Gen 2 Type-C Port	USB 3.2 Gen 1 Type-A Ports, USB 3.2 Gen 2 Type-C Port	USB Type-C, USB Type A (2.0)
Key board & Mouse: Manufacture's brand.	Dell	Dell	Dell	Dell	Key board & Mouse: One Apple
LED: 18.5" / 19" LED (Manufacture's brand). With HDMI & VGA PORT.	Dell E1916HV 18.5" Monitor	Dell 18.5" LED Display	Dell 19 Monitor- E1920H	Dell 19" E1920H Monitor	LED: 18.5" / 19" LED (One Apple). With HDMI & VGA PORT.

Operating System: • Pre-installed Licensed Microsoft Windows 10 Professional 64 Bit • Verification from Microsoft Pakistan is mandatory. • 100% activated/ validated on Microsoft Server.	Preinstalled Window 10 Professional 64bit	Microsoft Windows 10 64 bit Pro (Media - License),100% Activated / Validated on Microsoft Server.	Windows 10 Pro (64 bit) English	Windows 10 Pro (64 Bit) English	Operating System: • Pre-installed Licensed Microsoft Windows 10 Professional 64 Bit • Verified from Microsoft Pakistan. • 100% activated/ validated on Microsoft Server.
Warranty: 3 years Manufacture's Comprehensive warranty (with parts, labor & onsite support)	Warranty: 3 Years comprehensive onsite warranty with parts and labor	3 Years Dell Official Warranty for Burning With Parts and Labor ,No Warranty for Burning & Damages	Dell Optimizer 3Y Pro-Support and Next Business Day Onsite Service. 3Y Basic Advanced Exchange Service-SADMG,PK,SL,BD	3 Years onsite	Warranty: 3 years Manufactures Comprehensive warranty (with parts, labor & onsite support)
REMARKS					*1 Sindh High Court requires branded business series desktop computer preferable from the top international brands /equivalent standards whereas the brand quoted i.e. One Apple is not the branded computer as decided by the Hon'ble Supreme Court of Pakistan vide letter dated: 07-08-2019. It is locally assembled computer which is not equivalent to the standards of the top international brand.
Qualified Preliminary technical criteria (Yes/No)	Yes	Yes	Yes	Yes	No

Technically Qualified	Technically Non-Qualified
M/s. USS Enterprises	FSC
FATEMI IMPEX	--
Astrontech	--
DWP	--

Lot No 6 - Laser Printer

Only MS Vorson Pvt. Ltd participated in Lot #6 but could not qualified eligibility criteria due to non-availability of Purchase Order and Technical Criteria

LOT 7. Server Machines with licensed OS

LOT 7	HC Requirement	Astrontech	DWP	M.M. Corporation	COMMTEL	ICL
	MAL	Yes	Yes	Yes	Yes	Yes
7.1	HP & DELL or equivalent/higher	Dell EMC PowerEdge R740 Server	Dell- PowerEdge R740 Server-	Dell Power Edge R740 2U Rack mounted Server	HUAWEI 2288H V5	FUJITSU PRIMERGY RX 2540 M5 Rack Server
	Supply & Installation of Server.					
	# Form Factor 2U, 2Sockets Rack Mount Server (GPU Capable)	Rack Mount Server in 2U Form Factor Supporting 2 Sockets & GPU Ready	R740 Server Rack Mount PowerEdge R740/R740XD	Dell EMC Power Edge R-740 2U Rack mounted Server	2U RACK Server	2U, 2Sockets Rack Mount Server (GPU Capable)
	# Chassis supporting up to 08 x 2.5" SAS/SATA Drives	Chassis with up to 8 x 2.5" SAS/SATA Hard Drives for 2CPU Configuration GPU Ready Config. Cable Install kit	Chassis up to 08 x 2.5" SAS/SATA Drives for 2 CPU Configuration	Chassis up to 8 x 2.5" Drives SAS/ SATA	8 x 2.5" HDD Chassis with 2xGE and 2x10GE Electrical Ports	PY RX2540 M5 8x2.5' SSD/SAS/SATA Mixed Drives Support
	# Processor 2 x Intel® Xeon® Gold 5218 2.3G, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) OR Equivalent.	2 x Intel Xeon Gold 5218 2.3G, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666	2 x Intel® Xeon® Gold 5218 2.3G, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666.	Intel® Xeon® Gold 5218 2.3G, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W)	2 x Intel® Xeon® Gold 5218 2.3GHZ, 16C, 22MB Cache, (125W) , cascade lake processor (with heat sink)	2 x Intel® Xeon® Gold 5218 2.3G, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W)

# Chipset Intel C620 chipset OR Better/ Equivalent.	Intel C620 series chipset	Intel Xeon Gold	Intel C620 chipset	Intel C622	Intel C624 Chipset
# Memory 64 GB RDIMM, 3200MT/s, Dual Rank OR Equivalent.	4 x 16 GB RDIMM, 3200 MT/s, Dual Rank iDRAC9, Enterprise	16GB x 4 RDIMM, 3200 MT/s Dual Rank.	64 GB (2x32GB) RDIMM ,3200MT/s, Dual Rank	2 x 32GB, 2933MT/s, 2 Rank (2Rank 2G *4Bit), 1.2V. ECC in additional sheet	64GB (4x16GB) 2RX8 DDR4 - 2933 R ECC
# Network Card 1 x Broadcom Quad Port 1G Base-T NIC.	Broadcom 5720 Quad Port 1GbE BASE-T,rNDC	Brodcom 5720 Quad port1GbE BASE-T, rNDC	Brodcom 5720 Quad port1GbE BASE-T, rNDC .	LOM:2 x 10GE +2xGE PortsFlexible NIC: 2xGE, 4xGE, 2x10GE, 2x25GE, or 1/2 x 56G FDR IB Ports	1 x PLAN EM 4x1GB Base-T OCP Interface NIC
# Host Bus Adapter (HBA) 1 x Dual Port 32GB Fiber Channel HBA.	1 x Emulex LPE 35002 Dual Port 32 GB Fiber Channel HBA , PCIe Full Height	Qlogic 2772 Dual Port 32 GB, Fiber Channel HBA. PCI e Full Height.	Q Logic 2772 Dual Port 32 GB Fiber Channel HBA, PCIE Full Height	2 x Emulex, Fc HBA, 16Gb Lpe 1600 2B), 2 Port , SFP+ (with 2x Multimode Optical Transceiver), PCIe.3.0x8	1 x Dual Port 32GB Fiber Channel HBA. (PFC EP LPe32002 Emulex LP)
# Storage/Raid Controller RAID Controller with 2GB Cache Supporting RAID level 0, 1, 5, 6 & RAID Span 10, 50, 60 OR Equivalent.	PREC H730P RAID Controller, 2GB NV Cache, Adapter Supporting, RAID Level 0,1,5,6 & RAID SPAN 10,50,60	PERC H730P+RAID Controller, 2GB NV Cache, Adapter, Low Profile- C1, No RAID for HDDs/SSDs (Mixed Drive Types Allowed)	PERC H730P Raid Controller, 2GB NV Cache , Adapter , low profile	SR 450C-M 2G (Avago 3508) SAS / SATA RAID Card, RAID 0,1,5,6,10,50,60, 12 Gb/s cache, 3508/3516 RAID Card Super Cap.	FUJITSU PRAID EP420i, with 2GB Cache RAID Level Support 0, 1, 10, 5, 50, 6, 60
# Hard Drives 02 x 240GB SSD SATA Mixed Use 6Gbps 2.5"Hot Plug S4610 Drive (OS Drives).	2 x 240 GB SSD SATA Mixed Use 6Gbps 512e 2.5 in Hot Plug S4610 Drive	2 x 240GB SSD SATA Mixed Use 6 Gbps 512e, 2.5" Hot Plug Drive	2 x 240 GB SSD SATA mixed use 6 GBPS 512 E 2.5 " Hot Plug S4610 Drives	2 x SSD 240GB, SATA 6Gb/s, Mixed Use Use S4610 Series, 2.5" (2.5" Drive Bay)	2xSSD SATA 6Gbps 240GB ,2.5" H-P EP (OS Drives)

4 x 1.2TB 10K SAS Hot Plug Drive (Data Drive).	4 x 1.2 TB 10KRPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive	4 x 1.2TB 10K RPM SAS 12Gbps 512n , 2.5"Hot Plug Drive-	4 x 1.2TB 10K RPM SAS 12GBPS 512N 2.5" Hot Plug Hard Drives	4 x HDD 1200GB, SAS 12Gb/s, 10k rpm, 128 MB or above,	4 x HD SAS 12G 1.2 TB 10K 512n HOT PL2.5" EP (Data Drives)
# Systems Management Enterprise License with Dedicated OOB Network Port. Supports remote management, Configuration & Troubleshooting Power Supply Dual Redundant.	iDRAC9, Enterprise with Dedicated Out of Brand Network Supporting remote management, Configuration & Troubleshooting.	iDRAC, Enterprise	iDRAC, 14G Open Manage Enterprise Advanced 1 , windows server 2019 Standard, 16 core digitally fulfilled recovery image, Multilanguage	iBMC (Included) in additional sheet	Built in Remote Management Controller Server with Advance Monitoring Software and supports Remote Management, Configuration & Troubleshooting.
# Power Supply Hot Swap 1100Watts. Power Supply Dual Redundant.	Dual, Hot-Plug, Redundant Power Supply (1+1), 1100W	Dual, Hot Plug, Redundant Power Supply (1+1), 100 W	Hot plug 1100 Watts (1+1) Dual Power Supply.	1500 W Enhance Platinum AC Power Module (*2). Hot Swap HDD	2x Modular PSU 1200W platinum hot swap
# Optical Drive DVD R/W Drive.	DVD +/- RW, SATA, Int	DVD R/W Drive. SATA, Int	DVD+/- RW SATA, INT	9.5mm DVD RW -CD 24X/DVD 8X-SATADVD RW Module	DVD-RW super multi ultra slim SATA.
# Rack Rails Rack mounting kit along with cable management arm.	Ready Rails Sliding Rails with Cable Management Arm, 2x Jumber cord-C13/C14, 4M, 250v, 10A, (US, EU, TW, APCC Countries except ANZ)	Ready Rails TM Sliding Rails with Cable Management Arms	Ready Rails Sliding rails with cable management ARM	2U Ball bearing Rail Kit(Direct Delivery Material)1U / 2U Cable Management ARM (Direct Delivery Material)	Rack mounting kit along with cable management arm.

# Warranty On Site Troubleshooting along with 3-Year (24/7-4hr) Comprehensive Warranty.	3 Years ProSupport with 24/7/ 4Hr Mission Critical Response Time	Basic Next Business day ACDTS 36 months Hardware Support, Pro Support Plus and 4 hour mission critical ACDTS 36 months Extended Dell Services DWP On Site Warranty (24 x 7=7) + 36 months Hardware Support & Warranty	Basic Next Business day 36 months ACDTS, Pro Support and 4Hrs Mission Critical ACDTS initial, 36 months	Hi_Care Onsite Premier 2288/2288H V5_36 Month(s)	3 Years onsite Warranty with (24x7) support
# OS License 2 x Windows Server® 2019 Standard, 16CORE OEM License with multi language media kit.	2 x Windows Server 2019 Standard , 16CORE,FI, No CAL, Multi Language Add License, 16CORE, Digitally Fulfilled Recovery Image , Multi Lang., UEFI BIOS Boot Mode with GPT Partition	2 x Windows Server 2019 Standard Edition, Add License, 16 Core, Digitally Fulfilled Recovery Image, Multi Language.	2 x Windows Server 2019 Standard. 16CORE, FI, NO CAL , Multi Language1 x Windows Server 2019 Standard Edition , Add License , 16CORE, Windows Server 2019 Standard, 16CORE, MEDIA Kit, Multi Language	2 x Windows Server® 2019 Standard, 16CORE OEM License with multi language media kit.	2 x Windows Server 2019 Standard OEM License

REMARKS				1. Memory mentioned 2933 instead of 3200MT	1. Memory mentioned 2933 instead of 3200MT
Qualified Preliminary technical criteria (Yes/No)	Yes	Yes	Yes	No	No

Technically Qualified	Technically Non-Qualified
Astrontech	Commtel
DWP	ICL
M.M. Corporation	

Lot No: 8 - Antivirus

LOT 8	HC Requirement	DWP Group	COMMTEL
	MAL	Yes	Yes
8.1	Recommended Make: Kaspersky, Symantec, Mcafee or equivalent	McAfee	Apex One On-Premises, Trend Micro
	Enterprise Level Centralized Antivirus Solution for up to 10 Servers and 300 clients/users (Processor Based)	Option 1: Complete Endpoint Protection-Business for 310 Users CEBAJE - AA - EA MFE Complete EP Protect Bus 1:1BZ [P+] LICENSE: Per Node. Option 2: MVIECE - AA-BA MVISION Standard 1: 1BZ License: Per User	On premises Trend Micro license for 310 users
	REMARKS	Tender Reference NO.SHC/Budget/Tender-2020-2021/III Tender Document: (12)(25). Alternative Bids: Alternative bids shall not be considered and complete lot and/ or tender may be rejected as per rules.	
	Qualified Preliminary technical criteria (Yes/No)	No - Due to alternative Bids	Yes

Technically Qualified	Technically Non-Qualified
COMMTEL	DWP

Lot No: 9 - Smart UPS (20KVA)

LOT 9	HC Requirement	Astrontech	FS Technology	MAKKAYS	KONTINENTAL ESTABLISHMENT
	MAL	Yes	Yes	Yes	Yes
9.1	Recommended Make: APC or Emerson OR equivalent / Higher International brand	APC-E3SUPS20KHB1 Easy UPS 3S	APC UPS SUV TP UG 40K HB4S	i-power(UK), T-4003 (Transformer Less) Series OH 3020T93200B,	Inform Turkey / Model No. Pyramid Plus PPS-320
	Supply and installation of Floor standing/tower Smart-UPS	Floor Standing	Floor Standing With dry Cell Battery	Tower Type	Floor Standing, Smart - UPS VT
	16 kW /20 kVA	20 kVA	32KW (*Boucher) /40KVA	18KW/20kVA	16kW/20kVA
	Input 400V 3PH /Output 400V 3PH	Input 400V 3PH /Output 400V 3PH	Input 400V 3PH /Output 400V 3PH	Input 380V 3PH /Output 380V 3PH	Input 400V 3PH / Output 400 V 3PH
	Interface Port DB-9 RS-232, SmartSlot	Interface Port DB-9 RS-232, SmartSlot	Interface Port DB-9 RS-232, SmartSlot	RS-232	Interface Port DB-9 RS-232, Smart Slot.
	20 minutes on full load/battery backup.	15 minutes runtime	10 Mint Backup	20 Min Backup on full Load	20 Min Backup on full Load
	Warranty: 3 years Manufacture's Comprehensive warranty (with parts, labor & onsite support)	WSTRTUP-EZ-20 1 Yr. Start-UP Service 5 x 8 for (1) Easy UPS 3S 20kVA UPS WADVULTRA-EZ-20 1 Yr. Advantage Ultra Service Plan for (1) Easy UPS 3S 20kVA UPS	Warranty 3 Years with parts and service and battery for 1 year.	UPS Warranty 3 Years with onsite supports and services. VRLA Battery 64x12V/7Ah batteries install inside UPS	Warranty: 3 Years manufacturer's
		WOE1YR-EZ-20 1 Year On-site Warranty Ext for (1) Easy UPS 3S 20kVA UPS 3 Years Manufacture Support with parts labor and onsite support		Interconnect Solutions Limited. Battery Warranty : 1 Year Standard.	Comprehensive Warranty (with parts, labor and onsite support).
	Qualified Preliminary technical criteria (Yes/No)	Yes	Yes	Yes	Yes

Technically Qualified	Technically Non-Qualified
Astrontech	Nill
FS Technology	--
MAKKAYS	--
KONTINENTAL ESTABLISHMENT	--

Lot No	Technically Qualified
1	DWP
2	Nil
3	USS Enterprises and Kontinental establishment
4	FS Technology and Commtel
5	USS Enterprises ,Fatemi Impex, Astrontech and DWP
6	Nil
7	Astrontech , DWP and M.M. Corporation
8	Commtel
9	Astrontech , FS Technology, MAKKAYS and KONTINENTAL ESTABLISHMENT

5. Ending:-

1. Due care has been taken to ensure accuracy & correctness in compilation of report. However, Bid Evaluation Committee reserves the right of rectifying any error and/ or omission etc. at any time.
2. Objection(s) if any must be submitted within three (03) working days of uploading of Preliminary Bid Evaluation Report along with the copies of required documents on the basis of which objections are raised.
3. Objection(s) without supporting/missing documents shall be rejected without consideration.
4. Objection (s) received after the given deadline shall not be considered.
5. No compromise shall be made on the quality & specifications of items.
6. The Sindh High Court reserves the right to award or cancel the tender process, subject to rules.

Kamran Ahmed Hamidi   **Director General (Finance & Accounts)**   **Chairman**

Ishrat-un-Nisa **Deputy Director I.T (Member)** **Member**	**Muhammad Shahid Hassan** **Accounts Officer/ Nominee of A.G Sindh** **Member**

Copy for information & necessary action to:

1. Director I.T with request to direct the concerned to upload the Preliminary Bid Evaluation Report on the official website of this Court for information of all concerned and also send messages to the concerned bidders that "Preliminary Bid Evaluation Report of Envelope has been uploaded on the official website Sindh High Court".
2. Chairman and Members of Bid Evaluation Committee.
3. I/c: P.A to D.G (F&A) of this Court.