Response to Bidders Queries - Power Information Technology Company (PITC) Tender No. PITC/G-224(47)/07-2020

Sr. No.	Firm Name	Queries	Description	Clarifications			
	LOT-A Servers						
1	M/s IBL-Unisys	LOT A, Cat-1, Cat-2, Cat-3 (Servers)	new RAMs are available with 3200Mhz • Hard Disk Drive: 1.2TB SAS SSD is not generic and vendor biased • IO Expansion: 8 slots requirement is not generic and vender specific • Optical Drive: internal optical drive in 24 drive chassis is vendor biased.	It is neither biased nor vendor specific, however memory: DDR4 2933 MHz LRDIMMs or higher, Hard Disk Drive: 1.2TB or higher SAS SSD. IO expansion slots may be read as 6 or higher. Optical drive is an essential requirement and is not biased; however, internal or external drive is permitted.			
2	M/s Computer Marketing Co.	Supports mainstream operating systems, such as Windows, Redhat Linux, SuSE Linux, VMware and Citrix Xeon Server , Solaris (11.2, 11.3 & 11.4)	systems.	Support of solaris with download compatability is essential for target usage of these servers in the billing system of PITC with Solaris OEM warranty			
3	(Pvt) Ltd	DVD-RW drive SATA (Internal)	min. 24 SAS/SATA/SSD/NVMe hard drives support thus internal optical drive can't be install Kindly allow internal / external optical drive.	See response 1.			
4	M/s JBS	4 X 1.2 TB U.2 PCIe 3.0 x4 Solid State	Kindly Clarify which HDD Required? Is it SAS SSD also mentioned Read Intensive, Write Intensive or Mixed used required?	4 X 1.2 TB U.2 ,3.0 x4 SSD mix use			
5		I/O Expansion: Support PCIe SSD card, must support min 8 PCIe Slots	Kindly amend it as 6 PCIe Slots as only one Brand offered 8 Slot.	See response 1.			

6		Optical Drive: DVD-RW drive (Internal)	SATA	When you select 24 HDD Drive then DVD-RW available as external option. Kindly	See response 1.	
7		Onboard Network Adapter: (2 * Port 10Gb SFP+, 2 * Port Ethernet) / 4 * Port 10Gb	rt 10Gb		It is (2 * Port 10Gb SFP+, 2 * Port 10Gb Ethernet) (Minimum)	
8	M/s JBS	Compatibility: Supports mainstream operating systems, such as Windows, Redhat Linux, SuSE Linux, VMware and Citrix Xeon Server, Solaris (11.2, 11.3 & 11.4)		All OEM support desired OS except Solaris as Oracle is extend the Solaris support and new Generations process not supported it. Kindly remove. Yes, in Virtualize environment VM 6.X Version Supported Solaris 11.2 and 11.3 and VM 7.0 Supported 11.4. follow below link.	See response 2.	
	LOT-B - Desktop computers					
9	M/s Computer Marketing Co. (Pvt) Ltd	Mini Tower/Tower Casing		Different principal use different name like mini tower / micro tower. Kindly allow mini / micro tower	Both mini tower / micro tower are allowed.	
			LO	T-D-LaserJet Printers		
10	Marketing Co.	LaserJet	RAM fo		Memory will be minimum 128 MB RAM or higher	
11	M/s OAG	22 PPM Laser Jet Printer (B&W)	Memory	y should be revised as 128 MB RAM.	See response 10.	
12	M/s Computer Marketing Co. (Pvt) Ltd	Printer (B&W) You asked foe	RAM fo		Memory will be minimum 256 MB RAM or higher	

13	M/s Computer Marketing Co. (Pvt) Ltd	D-3, 22ppm Laser Jet Printer/ Fax/ Scanner/Copier (Multifunction) you asked for 256MB RAM and Scan: 600 x600 dpi, 9600x9600	In all leading brands Entry level MFPs comes with 64 or 128MB RAM. Kindly change accordingly. Scan resolution is 600x600 DPI. Kindly remove 9600x9600 DPI as it is not available in all leading brands.	Memory will be minimum 128 MB RAM or higher Scan: 600 x600 dpi.
14	M/s OAG	22 PPM Laser Jet Printer /fax/scanner/copier (Multifunction)	Scan resolution enhanced technology and Searchable PDF should be ignored.	Already described at Sr no. 13
15	M/s Computer Marketing Co. (Pvt) Ltd	D-4, 18 PPM Laser Jet Printer (Color) You asked for 512MB RAM and Dept. ID, Secure Print, Device Security, Auto Toner Seal Removal	In all leading brands entry level color printers comes with 128MB RAM. Kindly change it and Dept. ID, Secure Print, Device Security, Auto Toner Seal Removal features are not available in entry level color printers. Kindly remove this feature.	Memory will be minimum 128 MB RAM or higher

16	M/s JBS	In Printer Category after 40PPM jump up to 60 to 75 PPM category. Kindly add the 50PPM to 55 PPM category so, DISCO have option of this category if they needed.	to 55 Pl Print Sp Resolut Memory Process Standal 500-she tray, 35 Built-in Monthly Connec 1/100/1 Instant- Techno Mobile	rd: 5 trays standard:4600 Sheets (Two eet input trays, 100-sheet multi-purpose 600-sheet High-capacity input tray) Hard Disk 320 GB / duty cycle: upto 300,000 ctivity: 2 Hi-speed USB 2.0, 1 Ethernet 000 Gigabit network con Technology and Auto-On/Auto-off	Agreed: New LOT-E5 added Specification for 50PPM to 55 PPM Category: Print Speed: upto 55 PPM (A4) or (letter) or higher Resolution: 1200 x 1200 dpi Memory: 1 GB RAM or higher Processor: 800 MHz Standard: 5 trays standard:3500 Sheets or higher Built-in Hard Disk 200 GB or higher Monthly duty cycle: upto 250,000 or higher Connectivity: 2 Hi-speed USB 2.0, 1 Ethernet 1/100/1000 Gigabit network Instant-on Technology and Auto- On/Auto-off Technology Mobile printing capability e Print and air print
		LO			Direct printing from USB storage device.
17	M/s JBS	Heavy Duty LASERJET PRINTER Category (E-1 & E-2) 4,200 sheets (Standard) or Highe	RS	1	4,000 sheets (Standard) or Higher
18	M/s OAG		ted on 5 % coverage area instead of 6% coverage ble on official website and verifiable from		It will remain same as per RFP.
19	M/s OAG	E-1: 60 PPM Laser Jet Printer (B&W)	Univers Please	capacity should be 3650 sheets. cal Login Manager is brand specific term. explain generic term in this regard. 0 should be ignored	Already described at sr no. 17 USB 2.0 x2 (Host), USB 2.0 x1 (Host), USB 2.0 x1 (Device) Ethernet

20		E-2 : 90-110 PPM Laser Jet Printer (B&W)	Paper capacity should be 3650 sheets. Universal Login Manager is brand specific term. Please explain generic term in this regard. USB 3.0 should be ignored	4,000 sheets (Standard) or Higher USB 2.0 x2 (Host), USB 2.0 x1 (Host), USB 2.0 x1 (Device) Ethernet
21		E-3 120-140 PPM Laser Jet Printer (B&W)	Sensor and Mech technology is brand specific. Please explain generic term in this regard. Input trays should not be fixed. Total paper capacity should be mentioned.	As per tender Document.
			LOT-G-Software	
22		Kindly share more specific details on "Software for High Availability"	What kind of HA? is it Windows Server Failover Clustering? IBM Power HA System Mirror? DxEnterprise? InfoScale Availability (Veritas Cluster Service). Also please give clarity on Clustering Scale.	Required for operating system and data base application may be windows or any other Operating system cluster.
		Which O365 software package is selected/required by customer? And what services they require in O365 e.g. Email, Teams, SharePoint etc.?		Office 365 Standard
		Do you need MS office including outlook?		Yes
What is the name, version and data size of the existing email services? There can be multiple High Availability software. It would be better if me information can be provided on this. Some of HA solutions have function licensing as well. What you want to configure in H.A? Sometimes services/databases come of their own HA functionality or licensing. HA	lata size of the existing email services?	N/A		
	Pakistan	Pakistan services/databases come of their own HA functionality or licensing. HA solutions also have core based licensing and segregation by standard and enterprise		Server and Data Base application along with configuration and training enterprise complete solution. Enterprise plus with vendor complete solution and training. Licensed per socket based
				Socket based
		Can we provide rate against sing for entire Lot?	gle software or would we be in need to provide rates	Vendor may offer rates for single software

	LOT-H: Networking Switches/Routers				
24	M/s IBL-Unisys	Cisco Catalyst 2960-Plus 24TC-L - switch - 24 ports - managed - rack- mountable (SFP or 1000 BASE-T)			
25	M/s Wateen		Cisco 2960-Plus24TC-L is near to End of Sale; it is suggested to select C1000-24T-4G-L (Catalyst 1000 24port GE, 4x1G SFP) which is Cisco's latest series and have no financial impact.		
26	M/s IBL-Unisys		Please specify the type/speed of ports and software features required	Cisco any model equivalent to requirement.	
27	M/s Wateen	Cisco Catalyst 9300 48-Port Switch	Uplink Switch? 48 Ports Ethernet? 48 Port	Cisco Manageable switch with 4 SFP 52 ports or higher with 10 GE x 4 ports 9300 or equivalent.	
28	M/s IBL-Unisys	Cisco 4461 Series Integrated Services Routers	required and any additional ports/cards required with the router	Cisco 4461 Cisco Integrated Services Routers (ISR) 4x IG WAN (combo) + 2x10GSFP+WAN, 1.5 Gbps Default throughput and upgradable through software or equivalent.	
29	M/s Wateen		SFP / Security license / throughput license / Voice hardware card , please share router's usage details and detailed	In case equivalent, the specifications of the proposed item must be equal or better than the mentioned items in case of non-compliance it will be disqualified. Estimated Qty will be 1	

30	M/s IBL-Unisys	Cisco Network Convergence System Router 5500 Series: 400GE Line Cards	The Cisco Network Convergence Router 5500 Series is a very high end router used by ISPs/Telcos on their aggregation/core. This is beyond the requirement of PITC as conceived by IBL Unisys team. Please recheck the requirement and change accordingly.	Item is not required.
31	M/s Wateen		5500 Series has multiple ports options 18/24/30 ports. Please share required Throughput, total number ports, RTU requirements? Kindly elaborate in details. Thanks	
32	M/s IBL-Unisys	Cisco Firepower 9300 Series	Please confirm if these are the same as required in LOT-I or separate. If separate, then this is again a very high-end model suited for environments where the throughput requirement is in Tbps. Please reconsider and confirm.	Item is not required.
33	M/s Wateen		FWP9300 Series has multiple models, please share required Throughput, max sessions, total number ports in firewall, 1G/10G etc. What kind of licenses are required? Kindly elaborate in details. Thanks	
34	M/s IBL-Unisys	Dall EMC CC Corios / LIDE 2DAD	Please confirm if this is the same as required in LOT-J or separate.	
35	M/s Wateen	Dell EMC SC Series / HPE 3PAR StoreServ Storage / Dell EqualLogic PS Series Storage Solution	Please confirm; what specifications are required exactly, How much useable disk? What type of Disk mandatory? How much IOPS required? Max. expansion limits? it would be better to share detailed storage	Item is not required.

36	M/s Computer Marketing Co. (Pvt) Ltd	You asked for CISCO and Dell EMC by name and by model no.	Kindly open the specs for all brands for open and healthy competition.	Dell EMC is not required.	
37	M/s IBL-Unisys	by ISPs/Telcos on their aggregation. This	The Cisco Network Convergence Router 5000 Series is a very high end router used by ISPs/Telcos on their aggregation. This is beyond the requirement of PITC as conceived by IBL Unisys team. Please re-check the requirement and change accordingly.		
		I	LOT-I Firewall		
38	M/s IBL-Unisys	 Should support upto 100 virtual firewall Integrates firewall, VPN, intrusion previous bandwidth management, anti-DDoS, UR Identifies over 6000 applications Should defend against minimum over fundated on daily basis 	ention, antivirus, data leak prevention, L filtering, and anti-spam functions	Please see Annexure-A	
39	M/s premier	l '	Combo interfaces are not supported. Total 2 x USB interfaces are supported	Please see Annexure-A	
40	M/s premier	Identifies over 6000 applications and supports the access control granularity down to application functions. The firewall combines application identification with intrusion detection, antivirus, and data filtering, improving detection performance and accuracy.	Identifies 5, 200 Applications	Please see Annexure-A	
41	M/s premier	Should defend against minimum over four million viruses and Trojan horse. Updated on daily basis.	100,000+	Please see Annexure-A	

42	M/s premier	Supports BFD and IP-Link for link failure detection	Supports BFD	Please see Annexure-A
43	M/s premier	Open API for integration with third-party products, providing RESTful and NetConf interface, Other third-part management software based on SNMP, SSH, Syslog, Collaboration with Anti-APT solution	Supports NETCONF, SNMP, SSH, syslog and collaboration with anti-APT	Please see Annexure-A
		LO	T-J Storage Solution	
44	M/s IBL-Unisys	LOT J (Storage)	ARCHITECTURE: "LUNs should not belong to any controller" vendor specific point and is not generic CONTROLLER: "scale-out and scale-up", this is also vendor specific not all storage support scale-out CACHE: 90GB Cache is not generic, cache is always in multiple of 8, vendor specific specification MULTIPROTOCOL SUPPORT: Not all storage arrays support 32G FC or 40G iSCSI, vendor specific specification	Please see Annexure-B
45	M/s JBS	MULTIPROTOCOL SUPPORT: The proposed array should support 16G/32G FC, 10G/25G/40G iSCSI connectivity.	Voc. other brand supported 16G/22G EC	Please see Annexure-B

	14/ 100	RAID LEVEL:	Kindly amend RAID 6 or better suppo	rted. Please see Annexure-B
46	M/s JBS	The storage array should support R 5, and RAID 6 or better.	AID As RAID-5 for only specific Brand.	
47	7 M/s JBS The proposed array should have the capability to seamless migrate data from difference of the proposed array should have the polymers.			Please see Annexure-B
48	M/s JBS	Warranty: 5 years principle supports mandatory Kindly explain as standard product comes under 3 years warranty for Hardware and software.		
49	M/s premier	HPE Storage comes with max 25G	therefore we request you to remove 40G	Please see Annexure-B
50	M/s premier	Remove Raid-5, It should be like Raid-6 or better. Raid-6 provided better data protection as compare to Raid-5.		Please see Annexure-B
			LOT-K UPS and Batteries	
			K-1 650VA:	
51		on full load:	650VA will give 10min backup with one PC+ 17 inch LCD with 1 x 12v-9Ah so need o amend.	As per RFP
52	M/s Computer Marketing Co. (Pvt) Ltd	: Normally in	Normally there is no transformer in smaller ange of UPS as now these are high requency Design so transformer clause will not be applicable	Agreed
53			Do you need Two output sockets to connect the load	Yes
54	Battery life / Warranty: It should be specified 1 year M/s MAKKAYS			Battery life: 1 year warranty

		K-2: 3 K	VA, 6 KVA ,10 KVA (Tower/ Rack) Mounted	
55	5	with copper winding (In Tower Model)	Normally in High Frequency UPS we do not need Isolation transformer with IT- Load. All leading ups comes without isolation transfer. Kindly remove isolation transfer.	As per RFP
56				
57	M/s Computer		This feature not available in smaller UPS like 3KVA and only available 6KVA/10KVA	Accepted
58	Marketing Co. (Pvt) Ltd		In smaller range 3KVA internal manual Bypass not available, Only available in 6/10KVA.	As per RFP
59		Load	Confirm us how many PC+LCD will be connected with 3KVA, 6KVA and 10KVA Tower + Rack mount UPS for 10 min backup time with internal standard batteries. As per tender 10 min at full load with internal batteries not possible.	10 minutes on respective full load
60	Servers), Please confirm either U		former less Technology (High Frequency)?	As per RFP.
61		Built in Redundant Parallel Architecture RPA? Please confirm all UPS required in Parallel Architecture Design? If the applications are Servers which is having dual supply then no need of parallel card/Architecture Both Server supplies cabe powered up from 2 different Standalone UPS's to provide redundancy.		
62		Parallel Architecture RPA/Card a available in small rating 3KVA UF	vailable in 6KVA & 10KVA UPS. It is not PS. Please confirm on it?	See responses above
63		Power Factor 0.99 in Transforme Technology.	built in Isolation Transformer UPS. Input r less UPS. Need to change according to UPS	Agreed
64			5% in Isolation Transformer based UPS. 40- leed to change in Technical Specifications	Agreed

65		Battery Warranty term need to change: It should be specified 1 year.	As per RFP			
		K-3: UPS Batteries				
66		Most of the battery supplier manufactures battery 12V/7Ah not 7.2Ah. No difference in dimension and other Technical specifications. Need to mentioned 7Ah.	Agreed			
67	W/S WARRATS	Battery Warranty term need to change: It should be specified 1 year.	As per RFP			
		Other Queries				
68	M/s Wateen	Penalty: For Non-Imported Goods With penalty @ 1% per day after 45 days of issuance of Purchase Order up to maximum of 10% of the total Purchase order value and For Imported Goods With penalty @ 1% per day after 60 days of issuance of Purchase Order up to maximum of 10% of the total Purchase order	75 days min penalty will be charged for imported goods the delivery period is 75 days			
69	M/s MAKKAYS	As per tender the imported item delivery period mentioned 60 Days. Please change it and make it 75 to 80 Days.	75 days min penalty will be charged for imported goods the delivery period is 75 days			
70	M/s OAG	CDR should be fixed as previous tenders of PITC and should not be calculated on number of units.	Agreed Bid Money has been fixed as under: Lot-A-(Servers): 500,000 Lot-B-(Desktop computers): 500,000 Lot-C-(Laptops): 500,000 Lot-D-(LaserJet Printers): 200,000 Lot-E-(Heavy Duty LaserJet Printers): 500,000 Lot-F-(Computer Accessories): 100,000 Lot-G-(Software): 200,000 Lot-H-(Networking (Switches and Routers)): 200,000 Lot-I-(Firewall): 500,000 Lot-J-(Storage Solution): 500,000 Lot-K-(Ups And Batteries): 200,000			

71	M/s OAG	We also want to highlight that heavy duty printers category E3; Finishers should be included in specifications as this type of heavy printing load requires finishers for stacking purposes.	
72	M/s OAG	We also want to request you that in case of a single bid; Competent authority doesn't open the financial bid; In this regard we request you to kindly consider a single bid as it is an open tender and wouldn't be affecting any pricing.	
73	M/s OAG	We have also attached the requested specifications with our letter for your reference	Noted

Power Information Technology Company (PITC)

UPDATED SPECIFICATIONS – FIREWALL

SR. #	ITEMS	REQUIREMENT DESCRIPTION
1		Firewall Throughput should be minimum of Large packet (1518 bytes or more) throughput ≥ 4Gbps.
'		All engines enabled throughput should be ≥ 3Gbps
2		Must have minimum 4 x GE copper (Rj45) + 2 x 10 GESFP+, 1 Management Interface, 200GB SSD or Higher
3	- - -	Minimum of 1,000,000 Concurrent Connections or Higher.
4		Supports multiple highly reliable VPN features, such as IPsec VPN, SSL VPN, L2TP VPN.
5	General	Must have minimum IPsec VPN throughput of 1 Gbits/s or higher
6	Specification	Number of new sessions per second should be no less than 100,000
7		Should support virtual firewall contexts.
8		Should include 100 SSL VPN user license and support 500 users or higher.
9		Must equip with 1 + 1 dual power supply
10		Should support UTM features including firewall, IPS, anti-spam and content filtering services with three years subscription license
11		Integrates firewall, VPN, intrusion prevention, data leak prevention, bandwidth management, anti-DDoS, URL filtering,
- ' '		and anti-spam functions.
		Identifies over 1000 application or higher and supports the access control granularity down to application functions.
12		The firewall combines application identification with intrusion detection, antivirus, and data filtering, improving
		detection performance and accuracy.
13		State full packet inspection based on Source IP, Source Port, Destination IP, Destination Port, Protocol, Application,
		Content, Time, User and Location
14		Should defend against minimum one million or higher viruses and Trojan horse. Updated on daily basis.
15		Should implement application-layer protection for SSL-encrypted traffic, such as IPS, AV, and URL filtering.
16	Security Features	Must control upper and lower traffic thresholds and implements policy-based routing and QoS marking by application.
17	1 0 01 01 00	Must support application Visibility and Control to control specific behaviors.
18		Must support Attack identification and support user-defined signatures
19		Must support Static routing, Policy-Based routing, RIP, OSFP, BGP and ISIS
20		Should defend against SYN Flood, SYN ACK Flood, TCP Flood, UDP Flood
21		Should defend against application-layer attacks, such as HTTP, HTTPS, DNS, and SIP flood attacks
22		Active/Active, Active/Standby mode, Supports configuration backup and restore
23		Supports BFD
25		Should include complete logging reporting like (traffic, threat, URL, Audit
26		Open API for integration with third-party products.
27	Warranty	Three Year comprehensive on-site warranty with NBD delivery including service with parts from the date of delivery.
2/		OEM should have at-least 01 warehouses in Pakistan to support RMA and warranties.

ARCHITECTURE	The proposed array should be all flash storage with 2 Active-Active Controllers. The proposed solution should be highly available, proposed storage must include NAS services either gateway based or software/ controller based	
CONTROLLER	Dual active-active controllers or higher must support scale up.	
RELIABILITY	The Proposed storage array shall be configured with no single point of failure so that failure of storage node / controller shall not impact the operations. Should support hot-swappable SSDs, ports, and power modules without service interruption.	
CACHE	Required 192 per controller, (excluding any performance acceleration module, Flash Cache, PAM card, SSD cache, etc.).	
MULTIPROTOCOL SUPPORT	The proposed array should support TAG or higher FC 10G or higher ISCS Connectivity	
FRONT END PORTS	T END PORTS Provide at least 2 x 4 x 10GE ports, and 2 x 4 x 16Gbps FC ports for replication, all FC ports should be fully activated v SFPs.	
BACK-END DISKS	ND DISKS Provide 12Gb/s SAS 3.0 disk channels for back-end disk channels	
Disk	The disk capacity should be no bigger than 7.68 TB enterprise-level SSDs or higher must be NVME	
CAPACITY DENSITY	7.68TB SAS SSD, with guarantee 100TB or more Useable capacity (Before compression / deduplication) with RAID-5	
RAID LEVEL	The storage array should support RAID 5,6	
DATA EFFICEINCY	The proposed array should support inline compression and deduplication of application data for space efficiency.	
PLATFORM SUPPORT	The proposed system should support popular operating system platforms such as Windows, HP-UX Linux, Solaris, IBM AIX , windows etc.	
VIRTUALIZED ENVIRONMENT	The proposed array must support virtualized server environment like VMWARE vSphere, Microsoft Hyper-V Should have tight integration with vSphere Virtual Volumes VVol, VAAI, VASA and Microsoft offload data transport (ODX).	
NON-DISRUPTIVE MIGRATION	The proposed array should have the capability to seamless migrate data from other vendor's array.	

SOFTWARE Requirements				
Items	Description			
License	All features must licensed to the full capacity of the array. e.g. Replication Snapshots & Thin Provisioning			
Deduplication & Compression	Storage Must support Inline compression and Deduplication			
INSTANT ACCESS OF COPY	The proposed storage local replication solution should have instant activation of point-in-time copies for read/write access, while coping can continue in the background.			
STORAGE MANAGEMENT SOFTWARE	The proposed array should be supplied with Storage management software capable of generating customized reports, real time monitoring, historical performance data for analysis and trending, capacity utilization monitoring and SSD failure alerts			
Warranty & Support	Proposed storage system should be quoted with minimum 3 years Hardware and Software warranty and onsite support			
OEM Support	Proposed bidder's OEM must have local part depot.			
Implementation	Implementation and integration of complete solution should be included			
Accessories	10 meter LC-LC Optical Cables for all FC ports, power cords, rack mounting kits, front security bezel/cover etc.			
3 years principle supports mandatory				