

Supply and Install of Hardware for Financial System / West Bank

MDP4C1-2.a/#07
(2 lots)

Distribution Table

Municipalities	Lot 1: Server	Lot 2: Switch & Firewall			
	Servers	Desktop Computers (PCs)	Switch	Firewall	Storage Devices
Kufr Dan	1				1
Bruqin	1				1
Arrabeh	1				1
Illar					1
Attil					
Deir Al Ghousoun	1				1
Deir Istyia	1				1
Burqin	1				1
Kufr Al Deek	1				1
Abwein	1				1
Silwad	1	1			1
Surda/Abu Qash	1	1			1
Qatanah	1	2		1	1
Beit Liqiya	1				1
Zatarah	1	3			1
Janata	1				1
Al Khader	1		1		1
Battir	1		1		1
Halhul	1	3	1		1
Ithna	1	3			1
Khalet Al Mai	1				1
Al Karmel	1		1	1	1
Quantity	20	13	4	2	21

Hardware Technical Specifications

Lot 1: Servers

1- Rack Mounted Server

Brand:		
Model:		
Specifications	Details	Comply Yes/No
Form Factor	Rack mounted with rails kit	
Processor	2 x Intel Xeon- Silver 4510 2.4G, 12C, 30M Cache or higher	
RAM	2x 32GB Dual Rank DDR5-4800 For Total 64GB Memory	
Storage	3X 960GB SATA 6G Read Intensive SSD SFF (2.5in) 3yr Warranty	
Cage	12 Bay SFF 16x 2.5	
Network Adaptor	4-port 10/100/1000 Gb ethernet Adaptor HBA: 2 x (SFP+) (10GBE Card to Connect to Switch on (SFP+) Ports) cables & transceivers are included to provide 10Gbe connection.	
Power Supply	Hot Plug Dual 800-Watt Power Supply or Higher	
RAID Controller	Supports 0/1/5/10	
Server Operating System	Pre-installed Window Server 2022 Genuine license with at least two Hyper-V virtual machine (licensed).	
Warranty	3/3/3 (Parts/Onsite/Labor)	
Installation and Configuration	The vendor should perform the following: 1- Install operating system on the server and both VMs. 2- Configure disks and RAID. 3- Install Antivirus on server and VMs. 4- Install Server at municipalities existing cabinet 5- Link server and switch by SFP 10G Cables	

Lot 2: Firewall & Switch & Desktop Computer & Backup Device

1- Desktop Computer with 27-inch Monitor Display

Brand:		
Model:		
Specifications	Details	Comply Yes/No
CPU	Intel Core i7 14th generation	
Memory	16GB Memory DDR4 or higher	
Storage	500GB NVME SSD	
Mouse /Keyboard	Mouse and Keyboard: Original same brand with Arabic and English	
Network Adaptor	10/100/1000 Gb ethernet Adaptor	
Input and Output	I/O : At least 4 built-in USB Type-A Should be included.	
Screen	Same Brand 27-inch Screen with HDMI, VGA and 3 Years Warranty connected	
Warranty	Warranty: 3/3/3 Warranty	
Antivirus	3 Years Antivirus or Internet Security Product (License per Municipality)	
Operating System	Windows 11 Pro licensed	
UPS	1KVA line interactive UPS with Suitable Power Cable to connect the PC and Screen with 1 year warranty.	
Included Accessories	Patch cord :1.8-meter Patch Cord should be included to connect PC to network socket	

2- Server Room Managed Switch

Brand:		
Model:		
Specifications	Details	Comply Yes/No
Switch Ports	24 Port 10/100/1000 + 4 x (SFP+) 10G Ports	
Form	Rack mounted Switch	
Switching Capacity	92Gbps or Higher	
Layer	Layer 2+ switch	
Management	Telnet,SSH,HTTP,HTTPS + Console Port	
Packets per Second	68Mpps or higher	
Warranty	Limited life Time Warranty	
Accessories	4 x (SFP+) Transceiver's modules is included 4x Fiber LC-LC cable length 2 meter is also included.	

3- Firewall with Security licenses and Support

Brand:		
Model:		
Specifications	Details	Comply Yes/No
Description	Firewall with 3 years license and support	
Interfaces	Interfaces = minimum of 8 x GE RJ45 Ports + 1 Console Port or higher	
Concurrent Sessions	680,000 or Higher	
New Sessions/Second	33,000 or higher	
IPsec VPN throughput	700 Mbps or Higher	
IPS Throughput	1.0 Gbps or Higher	
VPN Concurrent Users	at least 30 remote VPN users or Higher	
WiFi Controller	Firewall should work as controller for at least 10 Access points Min	
License	3 Years License (IPS, Advance Malware Protection, Application Control, Web Filtering, Antispam and sandboxing license should be included).	
Support	Support: 3 Year, 24x7 Support and Warranty	
Installation and configuration	included and network cables are included, three VPN setup for remote users (IPADUser, EngUser, adminUser)	

4- Storage Device

Brand:		
Model:		
Specifications	Details	Comply Yes/No
CPU	At least quad-core 2.2 GHz or Higher	
Memory	32GB Memory	
Compatible drives	8 x 3.5" or 2.5" SSD with Hot swappable capabilities	
RAID	at least Supports RAID0, RAID 1, RAID 5	
Disks	3 x 18TB Red SSD installed.	
External ports	at least 4 x USB 3 at least 2 x eSATA	
Expansion Unit	at least Capable to add 2 expansion units	
LAN ports	At least 2 x 1GbE RJ-45	
PCIe expansion slot	at least 10Gbe/Single (SFP+ port) to connect to Data Center switch via (SFP+) with cables are included to provide 10Gbe connection (transceivers 10G included). So 10GbE SFP+ network interface card is ok.	
Integrated Backup Software	at least supports local backup, network backup, and data backup to public clouds.	
Installation and Configuration	Installation and Configuration are included to provide a backup from all requested Servers. Any accessories needed to operate the NAS Storage with the main Data Center Switch is also included with the price.	
Cloud Sync	Offers one or two-way synchronization with public cloud storage providers including Amazon S3- compatible storage, Dropbox, Google Cloud Storage, Google Drive, Microsoft OneDrive, else.	
Integrated Backup Software	Include Integrated Backup software that support Physical server, Hyper-V and VMware Virtual machines	
Training	Should provide a training to IT engineer to make sure that he can operate it in the best manner. Share NAS drive to existing servers.	
Warranty	Warranty: 3 Years Warranty Should be included	