

عطاء رقم 25/ل/ر/2021

توريد وتركيب وتشغيل برمجيات ومعدات النسخ الاحتياطي
إعادة طرح

معلومات عامة:

- هذا العطاء غير ممول من أي جهة مانحة.
- جميع البنود في هذا العطاء سيتم توريدها وتركيبها وتشغيلها في حرم جامعة مؤتة الرئيسي.
- أجزاء هذا العطاء قابلة للتجزئة بحيث تكون جميع البنود في الجزء الواحد جزء واحد لا يتجزأ.
- جميع المتقدمين للعطاء مرحب بهم لعمل زيارة ميدانية للاطلاع على واقع الحال، على أنه وفي حال تعارضت أي معلومة وردت في هذا العطاء مع ما قد يحصل عليها من الزيارة الميدانية بشكل مباشر أو غير مباشر؛ فتعتبر المعلومة الواردة في هذا العطاء هي المعلومة المرجعية والمقبولة بشكل رسمي.

Part #1: SAN Switch Redundancy:

- Mutah University have Fujitsu ETERNUS DX200-S3 SAN Storage.
- Mutah University have Brocade 6505 SAN switch with 12 ports loaded with 16 Gb Transceivers (8 used, 4 free and 12 empty ports) that will be eliminated.
- Mutah University have two Redundant EMC DS-6505-B SAN Switches with 12 active ports loaded with 16Gb SFPs (8 used, 4 free and 12 empty ports) on each switch.
- Bidders are welcome for site survey.
- Fujitsu SAN must be reconnected through the two EMC Switches instead of Brocade 4 cables.
- Two servers connected to Fujitsu SAN (4 cables) must be reconnected through the two EMC Switches instead of Brocade.
- License required to activate extra 4 ports on each EMC Switch (total 8 ports).
- Activation License must include all required transceivers.
- All required professional service (reconfigure SAN storage and restore its status (up and running) as before the migration) must be included.
- No Data Migration required in this part.
- 12 x 10m cables must be included.

Part #2: High available Hyper-V Environment:

2.1. Servers: Qty (2)

Processors	Intel Xeon Gold Processor/s (Minimum 33MB Cache), With Minimum total 48 Cores.
Installed memory	- 512 GB (DDR4) Registered RAM.
Storage	- 3 x (Min. 300GB) SATA SSD or higher performance.
HW RAID	- Support (RAID 0, 1, 10, 5). - Support SAS, SATA and SSD HDD. - 2GB cache.
Optical Drive	DVD+/-RW SATA.
Networking	- Dual port (1Gb) Ethernet Card. - Dual port (10Gb) Base-T Card. - Two Fiber HBA Cards, each have min. one port (8/16Gb). - Fully SPFs Loaded.
Management	- Dedicated 1Gb Management port.
Form Factor chassis	2U Rack Mount, or less. With all required mount kit, tools and accessories.
Power Supply & Cooling	- Redundant Hot-Pluggable power supply. - Hot-plug redundant fans.
I/O Ports	- Min. 1 USB 2.0 on front panel. - Min. 1 USB 3.0 on front panel. - Min. 2 USB 3.0 on rear panel. - Min 2 PCIe Gen 3. - VGA video card.
Warranty	- Min. 3 Years both vendor and local support, including parts and parts replacement in site. - Parts replacement in Next business day.
OS Support	OS is not required, but Server must Support the following: - Ubuntu, Red Hat (Enterprise) and CentOS Linux. - Microsoft Windows Server 2012, 2016 and 2019. - Microsoft Widows Hyper-V. - VMware ESXi.
Others	All required cables, transceivers, drivers and software to connect these servers to SAN storage through redundant Fiber SAN Switch must be provided.
Training (Optional)	Two seats on Microsoft Course 20745-B.

2.1. Professional Service:

- Both servers in Item 2.1 must be connected to ETERNUS DX200-S3 SAN Storage through Redundant EMC DS-6505-B SAN Switches.
- All required professional service (configure extra volumes, LUNs configuration and connecting) must be included.
- All required professional service for building Hyper-V HA environment and migrating the VMs from old servers (local disk) to new servers (SAN Storage) must be included.



Part #3: SAN Storage: Qty (2)

- Each storage will be connected back-to-back with an existing server.
- Both servers and their connected storages will be installed in two deferent locations inside Mutah University main campus.
- Data replication will be on the application level.

- Redundancy on all levels: No single point of failure for all storage components.
- Two Active/Active controllers on each storage.
- Interfaces:
 - o 1 GB Ethernet Dedicated management port.
 - o 4 x 16 Gb/s FC (Fully loaded) per storage array.
- Must Support SSD, SAS and NL-SAS.
- Minimum 40 TB (NL-SAS, SAS or SSD) available capacity before compression and deduplication.
- Hot spare disk must be included.
- Support Distributed RAID 1, 5 and 6.
- Block Storage Architecture (FC).
- Min. 8 GB Memory per controller (total 16 GB minimum per storage array).
- Compatible with Heterogeneous operating systems including but not limited to the following:
 - o Microsoft Windows
 - o Ubuntu, Red Hat (Enterprise) and CentOS Linux.
- Web or GUI based management software, and support local and remote Administration.
- Management software/interface should provide the capability to manage the storage array.
- Rack mountable with rack mount kit.
- All required cables, licenses, drivers, software, hardware or any components must be provided.
- Devices must have minimum three years of warranty and both vendor and local support.
- Parts replacement in Next business day.



Part #4: Veritas NetBackup Technical Support:

- Mutah University already have the license for Veritas NetBackup with version (8.0) installed.
- 3 Years of Technical support by both vendor and partner.
- Upgrade the current version to the latest version immediately.
- Insure solution covers the following types of backup:
 - o All types of VM files (Virtual Machine settings and virtual HDD)
 - o Oracle VM (Logical Domains).
 - o Oracle and Oracle RAC database real-time backup.
 - o MS-SQL database real-time backup.
 - o MySQL database real-time backup.
 - o MariaDB database real-time backup.
 - o PostgreSQL database real-time backup.
 - o Active Directory backup.
 - o Files and folders on all UNIX, Linux and Windows operating systems.
 - o MS-SharePoint Servers.
- All required professional services to complete this project implementation including all configurations that guarantee:
 - o Software installation and configuration on two servers.
 - o Replicate data to a remote site at a specific schedule.
 - o Assign unique retention polices to the replicated data.
 - o Provide Change Block Tracking feature for File System backups and restore.
 - o Provide event based backup capability to automate application protection driven by monitored events.
 - o Fast, reliable disaster recovery management.
 - o Recover individual application items such as databases, e-mails, sites, users from Microsoft Exchange, Active Directory, SQL, SharePoint and Oracle physical or virtual servers' backups without installing any application specific agents to the target server.
 - o Automatically backup its own configuration and it should provide straightforward mechanism to restore the configuration in case of any failure.
- Proposed Backup Software should include all license required for the device to function properly as descried in Mutah University Data Center environment.



General terms & conditions:

- The bidder must be:
 - o Authorized distributor, partner or reseller by vendors for all components included in the project.
 - o Familiar with similar projects, and have minimum 3 reference list for similar projects.
- The proposal should include the following:
 - o Commitment to providing vendor-to-client support account for online ticketing and support.
 - o An official document of authorization or partnership must be included within the proposal. Otherwise the offer will be excluded.
 - o All prices must be in JD and unit price must not include any tax.
 - o Tax must be added to the total of each item.
 - o Prices for training and installation should be separated and clear.
 - o Prices for support and warranty should be clear for the first three years.
 - o Detailed hardware and software description must be part of the technical proposal.
 - o Detailed PoQ must be part of the technical proposal.
 - o Detailed compliance sheet must be part of the technical proposal.
 - o All Details for warranty and technical support.
 - o Offer must include a clear contacts information that Mutah University technical team can use in case of problems.
 - o Bidder Scope of work.
 - o Bidder Out of Scope.
 - o Offer of warranty service must be clear and bidder must show his commitment, actions that will be taken and the response time for each case of the following:
 - Problem call.
 - Problem solving.
 - Software/configuration support call.
 - Solving software/configuration support call.
 - Hardware/software failure.
 - Failed hardware replacements.
- If an Item is not priced, it will be considered as free (no cost).
- The offered training must be conducted for two persons prior to the deployment. Hence, Mutah University will not allow the implementation of any item before or during training for those items that the company will provide.
- At least one of Mutah University staff will participate in the installation and configuration process.
- During installation and configuration, a knowledge transfer, and a detailed education for every step of work must take place by the company team for Mutah University technical staff.
- It will be the bidder's sole responsibility and on his own expenses to understand the site nature and environment and all requirement that are related to the tender or that may influence it's pricing.
- The bidder will be fully responsible for verifying any information that may be made available to him. Under no circumstances will Mutah University be deemed responsible for the consequences of any such offered information.
- Bidders requiring further information or clarifications may notify Mutah University in writing/Fax at Central Tendering Department, Mutah University will respond in writing/Fax to any request for information or clarification of the bid.
- The determination will take into account the bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualifications



submitted by the bidder as well as such other information that Mutah University deems necessary and appropriate.

- The software & hardware quoted by bidder in this RFP should not be declared as End of Life (EOL) or End of Support (EOS) by the OEM within the 5 years of Purchase order/contract period. In the event of the supplied equipment being declared End of support/End of Life during the contract period of 5 years, the bidder has to replace the equipment with equipment having equivalent or higher configurations.
- Mutah University will award the tender, one part of the tender or multi parts of it to the successful bidder/s whose bid has been determined to be the most proper responsive bid, provided further that the bidder/s is determined to be qualified to satisfactorily perform the Contract.
- If any Item (Hardware, Software or License) needed during the installation and was not stated in the offer; then it is the bidder's responsibility to provide it at no cost.
- If any Item (Hardware, Software or License) to Achieve Mutah University goal and was not stated in the offer; then it is the bidder's responsibility to provide it at no cost.
- The bidders shall offer a complete system solution inclusive of the design, supply, installation, testing, commissioning and maintenance.
- The university has the right to reject any bid that is incomplete.