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**14th April, 2021**

**ADDENDUM ONE OF TENDER NO: EACC/31/2020-2021 IFMIS NO. 864172 SUPPLY, DELIVERY AND INSTALLATION OF APPLICATION SERVER TO PROVIDE FOR HIGH AVAILABILITY AND DATA STORAGE SERVER**

Reference is made to the above open tender   
  
Kindly note that the closing date for the above referenced tender has been extended to **26th April 2021 at 10.00 am**

**Note to Bidders;**

Note that the technical specifications under Page No. 19, 20, 21, 30, 31, 32 has been replaced with Section V- Technical specifications as indicated below;

# SECTION V - TECHNICAL SPECIFICATIONS

**5.1 General**

* + 1. These specifications describe the requirements for goods. Tenderers are requested to submit with their offers the detailed specifications, drawings, catalogues, etc. for the products they intend to supply
    2. Tenderers must indicate on the specifications sheets whether the equipment offered comply with each specified requirement.
    3. All the dimensions and capacities of the equipment to be supplied shall not be less than those required in these specifications. Deviations from the basic requirements, if any shall be explained in detail in writing with the offer, with supporting data such as calculation sheets, etc. The procuring entity reserves the right to reject the products, if such deviations shall be found critical to the use and operation of the products.
    4. The tenderers are requested to present information along with their offers as follows:

1. Shortest possible delivery period of each product
   1. Information on proper representative and/or workshop for back-up service/repair and maintenance including their names and addresses.

**TECHNICAL SPECIFICATIONS**

**SUMMARY**

The Commission is desirous of procuring infrastructure for hosting Computing Virtual Machines for hosting various Applications. To achieve this, the following are being sort:

**SPECIFIC TECHNICAL SPECIFICATIONS**

**A.) Application Server Technical Specifications**

|  |  |  |  |
| --- | --- | --- | --- |
| **S/n** | **Item** | **Minimum requirements** | **Bidder’s Proposal** |
|  | Processors | * Family: 64bit Intel 3rd Gen Processors * Number: Two (2) Processors * Cores per processor: At least 16 all active * Cache: At least 16 MB * At least Speed: 2.6Ghz Base Frequency |  |
|  | Memory | * Type: 64 GB DIMMs, 2900 MHz TruDDR4 * Installed Capacity: 640GB Expandable to 1TB |  |
|  | Additional Memory | * 2 \* 64 GB DIMMs, 2900 MHZ TruDDR4. (Not Installed on this server) |  |
|  | Byte Ordering | Support little-endian Virtual Machine environments (Operating Systems). |  |
|  | Internal Storage | * Hot Plug SFF SAS SSD Disks Minimum 8TB Usable Storage on RAID 1 * Disk Controllers: Support RAID 0, 5, 6 and 10 Disk Arrays with Hot spare capability * Optical Drive: Slimline DVD-RW |  |
|  | System fan | * Hot plug redundant standard |  |
|  | Network | * Four (4) 10GB Ethernet Ports * Two (2) x 16 Gb/s Fibre Channel modules with 3 meter fibre cables |  |
|  | Remote Console and Network management ports | Required |  |
|  | Expansion Slots | Four (4) PCIe 4.0 |  |
|  | VGA/serial/USB/SD ports | 2/1/8/1 |  |
|  | Power Supply | Two Slot hot plug power supplies |  |
|  | Form factor chassis | Rack Mountable |  |
|  | Software Licenses | * Licensed Perpetual VMware Enterprise Edition |  |
|  | Warranty and Support | * 24/7 Back-to-back support for both software (operating systems and virtualization management) and hardware (server and storage)- three years of parts, three years of onsite labor, three years of software patches and updates |  |
|  | End-of-Life for parts and support Guarantee | Proposed equipment should not reach End-of-Life for parts and support before Seven (7) years after date of delivery. **The manufacturer MUST provide end-of-Life guarantee**. |  |
|  | Services | * Equipment Installations / Configurations * Configure for High Availability with the existing IBM SR650 Application Server on the storage whose specification are provided in Section (B) below. |  |
|  | Training | Installation and administration knowledge transfer to EACC technical staff |  |
|  | Authorization | Proof of OEM authorization |  |
|  | Quantity | 1 |  |

**B.) Storage Specifications**

|  |  |  |  |
| --- | --- | --- | --- |
| **S/n** | **Item** | **Minimum requirements** | **Bidder’s Proposal** |
|  | Controller | * Number: Two (2) Processors * Cores per processor: 6 * Dual in Active-Active State * Cache per controller: 64 GB * RAID levels 0,1,10 with distributed RAID 5 and 6 |  |
|  | Enclosures | * Two (2) x 24 x 2.5-inch drives Small form-factor enclosures |  |
|  | Minimum Storage | Ten (10) x 15TB 2.5-inch flash disks |  |
|  | Expansion enclosure capacity | * Ability to extend storage by up to 20 additional enclosures per controller |  |
|  | System fans and Power Supply | Fully redundant, hot-swappable |  |
|  | Connectivity | * 10Gb iSCSI (On the motherboard) * Two (2) x 16Gb/s Fibre Channel modules with 3 meter fibre cables |  |
|  | Remote Console and Network management ports | * Required |  |
|  | Power Supply | Two Slot hot plug power supplies |  |
|  | Form factor chassis | Rack Mountable |  |
|  | Advanced functions included with each system | Virtualization of internal storage  Data reduction pools with thin provisioning, UNMAP, compression and deduplication  One-way data migration  Dual-system clustering |  |
|  | User Interface | Web-based Graphical User Interface |  |
|  | Warranty and Support | 24/7 Back-to-back support for three (3) years parts and labor and software patches and updates |  |
|  | End-of-Life for parts and support Guarantee | Proposed equipment should not reach End-of-Life for parts and support before Seven (7) years after date of delivery. **The manufacturer MUST provide end-of-Life guarantee**. |  |
|  | Services | * Equipment Installations / Configurations * Migration of data from the current StoreWise 5000E storage to this storage |  |
|  | Training | Installation and administration knowledge transfer to EACC technical staff |  |
|  | Authorization | Proof of OEM authorization |  |
|  | Quantity | 1 |  |

For further enquiries and Communication use the below communication channel.

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