

Ref. No. : MDI/PROCUREMENT OF Server /2017

Date: April 3, 2017

Kind Attn:

Dear Sir,

Sub: Invitation of sealed quotations for Procurement of Servers for ORACLE People Soft ERP , for MDI Gurugram.

Sealed Quotations are invited for Procurement of Server for MDI Gurugram, as per the specifications and scope of work and terms and conditions mentioned in the enclosed document.

Quotations should be submitted in sealed envelopes duly super scribed as:

- **Technical Bid for Procurement of Servers for ORACLE People Soft ERP , for MDI Gurugram.(Part – A).**
- **Financial Bid for Procurement of Servers for ORACLE People Soft ERP , for MDI Gurugram.(Part – B)**
- **EMD in a separate envelope (Rs. 2,50,000 (Rupees Two Lacs fifty thousand only) in form of bank demand draft drawn in favour of the Management Development Institute Payable at Gurugram)**

Both the quotations should be submitted in the separate sealed envelopes.

1. No quotations would be accepted by e-mail and only hard copies will be considered.
2. Please write Subject line and Tender Reference on the Top of the envelope.
3. All Pages of tender to be signed and stamped

In order to take any query regarding the specification and terms and conditions, pre bid meeting will be held on **April 12, 2017 at 3.00 p.m.** Kindly submit your query by e-mail latest by April 10 ,2017 The e-mail id is : ittender@mdi.ac.in.

If any correction after Pre-bid meeting then Addendum will be published on the MDI website on or after **April 14, 2017.**

The quotations should be submitted in the sealed covers super scribed as addressed to:-

Senior Systems Analyst
Computer Centre
MANAGEMENT DEVELOPMENT INSTITUTE
Mehrauli Road, Sukhrali
Gurugram - 122 007, Haryana (INDIA)

For any Query Kindly contact:

Mr. D.K. Ahuja

Tel: 0124-4560327,

e-mail : ittender@mdi.ac.in

Sealed Quotations should reach On or before 15 Hrs. of April 24 ,**2017**.

Quotations should be received before the Date & Time mentioned.

Date :

(Signature)

Name of Vendor

Terms & Conditions are as under:

- (i) Kindly provide Profile of your Firm/Company along with the Year of establishment, Annual revenues for the last 3 Years.
- (ii) Vendor should be OEM or Authorized Business Partner/ Authorised service provider of HP/Dell/Oracle/Lenovo. Attach the relevant and valid document of OEM in support of authorisation.
- (iii) No C or D forms shall be supplied by the MDI Gurugram.
- (iv) Technical and Financial bid should be submitted on company letter head and should be submitted duly signed by the authorized person.
- (v) Financial Bids of only those firms will be opened, whose Technical Bids are found compliant/suitable after Technical evaluation done by the MDI .
- (vi) The Equipments will be supplied and installed at MDI Campus, Gurugram , nothing extra shall be paid towards the cartage, packing, forwarding, octori etc.
- (vii) No other charges shall be paid for Installation of Equipments at the site.
- (viii) No request for advance payment towards supply of Equipments shall be entertained by the MDI, Gurugram
- (ix) The quoted price shall be valid for at least 6 months. Institute will not entertain any request in respect of escalation of price due to any reason whatsoever.
- (x) All the Equipments should be installed at the MDI Gurugram.
- (xi) Warranty of all the products and services with 3 Years Comprehensive Onsite. product.
- (xii) In case any item is found to be defective /substandard, the same shall be rejected. Institute shall not make any payment for such items and shall be removed from the site immediately.
- (xiii) The quantities indicated in the Annexure are approximate only. The quantities may vary at the time of order OR Part order may be placed OR totally deleted. Payment shall be made on the actual quantity of Equipments supplied at site.
- (xiv) MDI reserve the right to accept or reject any or all the quotations without assigning any reason whatsoever.
- (xv) Sub contract of Project is not allowed.
- (xvi) If contract work is awarded and not executed by the vendor then EMD amount will be forfeited.

Date :

(Signature)
Name of Vendor

Technical Bid For procurement of Servers for MDI Gurugram.

(Part- A)

Sr. No.	Description	Vendor Response									
1.	Kindly Profile of your firm/company along with the Year of establishment, Annual revenues for the last 3 Years (Kindly provide details & relevant documents on company letter head).	<table border="1"> <thead> <tr> <th colspan="3" data-bbox="950 268 1372 298">Annual Revenue</th> </tr> <tr> <th data-bbox="950 298 1101 331">2014</th> <th data-bbox="1101 298 1258 331">2015</th> <th data-bbox="1258 298 1372 331">2016</th> </tr> </thead> <tbody> <tr> <td data-bbox="950 331 1101 373"></td> <td data-bbox="1101 331 1258 373"></td> <td data-bbox="1258 331 1372 373"></td> </tr> </tbody> </table>	Annual Revenue			2014	2015	2016			
Annual Revenue											
2014	2015	2016									
2.	Annual Turnover 25 Crores and above	Yes / No									
3.	Authorized partner of HP/Dell /Oracle/Lenovo (Attached valid Certificate)	Yes / No									
4.	Names & addresses of prestigious clients (Three) and at least one in large size academic institution and one in any other, with installation of Oracle/ People Soft /SAP , along with the telephone numbers of the contact persons of the clients where you are supplied Similar server . (Attach separate sheet)	Yes / No									
5.	Address of Office in NCR. Number of employees in NCR Office <ul style="list-style-type: none"> • Technical • Non Technical 										
6.	Contact details of the authorized person of the company. 1. Name : 2. Office Tel No. : 3. Mobile no. : 4. Official E-mail id :										

Technical Specification of Server

1	<p>Make and Model of Servers & SAN proposed</p> <ul style="list-style-type: none"> • Dell Power Edge R730 • HP HP ProLiant DL380 , HPE MSA2042 SAN • Oracle ODA : X5-2 • Lenovo Lenovo x3550 M5, V3700 <p>Server Hardware should be of the model specified OR higher configuration to meet all Technical Details given in Annexure I. With installation.</p>	<p>Yes/No</p> <p>Yes / No</p> <p>Yes / No</p> <p>Yes / No</p> <p>Yes / No</p>
2	Comprehensive onsite Warranty and Technical support for 3 years . (7x24) 4-hour Onsite Service	Yes / No

Date :

(Signature)
Name of Vendor

Rack server Qty.- 02

Sl. No.	Items	Descriptions	Vendor Response
1	Rack Server	Should support Hot Pluggable & Redundant Management Modules with onboard KVM functionality. Should provide detailed technical information. Should have minimum 5 installations in India in reputed organizations/ Institutions. Minimum 1RU rack mounted form factor	Yes/No
2	Power	Should offer a single phase power subsystem enabled with technologies for lower power consumption and offering high energy efficiency levels. Vendors should provide documents certifying the claims.	Yes/No
3	Processor	For each Server: Intel family: Latest generation x86, 64 Bit processor, any E5-2697 V4 and above with at least 18 cores and above, minimum 2.3 GHz or above , at least 45 MB Cache	Yes/No
4	Memory	Each with at least 256 GB DDR4 expandable upto 768 GB	Yes/No
5	Hard disk drive	2x600GB, 10Krpm, SAS internal Hot swappable HDD in each server. 6 TB usable space each 1.2 TB x5 external shared SAN storage of 24 bays , SAS HDD , compatible with OS mentioned under serial number 12, expansion options and matching configuration with infrastructure. Minimum 2 I/O slots, with 2 port 8/16 Gb/s Fiber or equivalent channel with RAID 5 installation.	Yes/No
6	Storage Controller	Integrated PCIe 3.0 based SAS Raid Controller with RAID 5 with 1 GB of Flash backed write cache onboard.	Yes/No
7	Networking features	Dual Port 10GbE Converged Network Adaptor and 1* FC with 16Gbps	Yes/No
8	Interfaces	Minimum of 4 * internal USB 3.0 port	Yes/No
9	Rack Server Connectivity to SAN	8/16 Gbps Dual port Fiber Channel HBA internal to the Server.	Yes/No

10	Bus Slots	Minimum of 4 Nos of PCIe 3.0 based mezzanine slots. One PCIe x16 based and one PCIe x8 based supporting Ethernet, FC adapters, Infiniband and SAS based adaptors	Yes/No
11	Graphics	Integrated G200 equivalent or above	Yes/No
12	Supply of OS and support	Support of following OS: RedHat Enterprise Linux 6.x (64 bit) OR Oracle <i>Linux (latest version)</i> OR <i>The operating system should be licensed for unlimited user license for Linux systems. Any one of the above operating system software to be supplied</i>	Yes/No
13	Virtualization software and Support	For Linux based OS : VMware_ virtualization software shall be licensed for the entire server. OR OVM Server recommended version for X86 is 3.3.2. (In either case Oracle supported virtualization for application instances and database instances)	Yes/No Yes/No
14	Industry Standard Compliance	ACPI 2.0 Microsoft® Logo certifications USB 2.0 Support IPMI 2.0 Secure Digital 2.0 TPM 1.2 Support IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed) Advanced Encryption Standard (AES) (mandatory), Triple Data Encryption Standard (3DES) (optional), SNMP SSL 2.0 DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) Active Directory v1.0 PCIe 3.0	Yes/No
15	Provisioning	Essential tools, drivers, agents to setup, deploy and maintain the server should be embedded inside the server. There should be a built -in Update manager that can update firmware of system by connecting online.	Yes/No

16	Remote Management	<p>System remote management should support browser based graphical remote console along with virtual power button, remote boot using USB/ CD/ DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using media/ image/ folder. It should support server power capping and historical reporting and should have support for multifactor authentication. Server should support automated firmware update. Server should support agent_less management using the out-of-band remote management port. The server should support Active monitoring of System Health and record changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur.</p> <p>Should support remote console sharing upto 4 or more users simultaneously during pre-OS and OS runtime operation,. Full Remote management should be available over the browser. It should support encrypted Microsoft Terminal Services Integration.</p> <p>Should provide support for AES (mandatory) and 3DES (optional) on browser. Should provide remote firmware update functionality. AD, LDAP and RADIUS support to be incorporated.</p>	Yes/No
17	Server Management	<p>Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Should support automatic event handling that allows configuring policies to notify failures via e-mail, or SMS gateway or automatic execution of scripts. Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes</p> <p>Should be able to perform comprehensive system data collection and enable users to quickly produce detailed reports for managed devices. Should support the reports to be saved in HTML, CSV or XML format.</p> <p>Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/ firmware components.</p> <p>The Server Management Software should be of the same brand as of the server supplier.</p>	Yes/No

18	Administrator Dashboard	Software should support certain kind of dashboard view to quickly scan the managed resources to assess the overall health of the server. The Dashboard should preferably display a health summary of the following: Server Profiles Server Hardware Enclosures Logical Interconnects Appliance alerts The status of each resource should be indicated.	Yes/No
19	Firmware management	Software should support firmware management for the managed devices centrally by offering baseline firmware version to keep the systems on supported version of firmware. Software should maintain firmware repository to download firmware from website and update on managed nodes when required.	Yes/No
Automated Back-up			
20	Back-up	Automated back-up to Cloud and Disk drive (adequate storage, 8Core processor , 16 GB RAM, 3 TB HDD, and OS should be provided) through an on premises software to be provided by the OEM. Data Size 1 TB usable. Cloud Backup should be from Hardware OEM OR AWS.	Yes/No
General Requirements			
21	Field Proven with Installed base	Offered configuration should have been in operation for more than 1 year and should be running multiple virtual application instances of Oracle PeopleSoft v 9.2 (enterprise) and Oracle DB 12c SE2, certified supported by Oracle.	Yes/No
22	Same OEM for all Products	Products should be from same manufacturer in order to ensure proper functioning, compatibility, support and seamless integration.	Yes/No
23	Warranty	3 years comprehensive onsite warranty inclusive of parts and labor. .	Yes/No
24	Security	Adequate security & compliance tools shall be licensed for the complete server including the maximum number of partitions that can be theoretically created on the server.	Yes/No
25	Installation & Configuration	The two physical servers with virtualized instances and SAN Switch (one numbers) must be Installed and configured by authorized personnel from OEM. The total number of virtualized instances of	Yes/No

		<p>application are 25 across both servers.</p> <p>The servers will be commissioned by the OEM's engineers / Authorized by OEM only.</p> <p>The on-site support will be by the OEM's engineer / Authorized by OEM only.</p>	
26	Knowledge Transfer	Adequate knowledge transfer sessions on “Server Administration with Troubleshooting” at MDI, Gurugram will be provided by OEM before i) Server Installation ii) Configuration, iii) Testing, iv) Implementation with existing infrastructure and v) Verification.	Yes/No

SAN Storage Specifications Qty. 1 no. (Only for Non-Oracle Server. For Oracle Server DAS with the following specification should be provided)

S.No	Make & Model Feature	DELL/LENOVO/HP/IBM/ORACLE Description	
1	Storage Controller	The Storage System shall have a dual controller configuration running in an active-active mode with automatic failover capabilities in case of one controller failure.	Yes/No
2	Controller Cache Requirements	The system should have 16 GB cache across the two controllers (8 GB per controller), with an ability to protect data on cache. Cache should be mirrored and battery backed. Cache battery backup should be at least 48 hours. Else the controller should support cache destaging to disk.	Yes/No
3	Raid Level Support	The Storage System should support Raid Levels 0,1,5,6,10. Should support distributed RAID 5 & 6	Yes/No
4	Host Interface Support	The Storage System should support 8Gbps FC/10Gbps iSCSI/FCoE,1Gbps iSCSI,SAS Ports.	Yes/No
		FC will be used for host connectivity. Configure Dual FC ports for host connectivity.	Yes/No
5	Drive Technology	The Storage System should have support for SSD, SAS 2.5” Drives, 3.5’ NL SAS/SATA Drives.	Yes/No

	Support		
6	Storage Capacity	The storage system should be scalable to greater than 190 disks. Each controller to have at least one no of 6Gbps drive ports for attaching disk expansion enclosures. Should configurable with 960TB of storage capacity within one complete subsystem.	Yes/No
7	Storage Functionality	The Storage System shall support internal virtualization capabilities for improved storage utilization. The Storage System should have the capability to support Non-Disruptive Data migration across Volumes The storage shall have the ability to create logical volumes without physical capacity being available (Thin Provisioned) or in other words system should allow over-provisioning of the capacity. The feature should be made available for the maximum supported capacity	Yes/No
		The Storage System shall have the Capability to support creation of instantaneous or Point In Time Snapshot copies of volumes. The snapshot feature should support incremental, thin provisioned and also have the capability for the snapshot targets to become restore points for a source volume without breaking the snapshot relationship.	Yes/No
		The snapshot Feature needs to support at least 64 snapshot copies per volume	Yes/No
		The Storage System Should provide support for host multipathing drivers	Yes/No
	Capacity	Total Usable capacity required 6TB After Raid 5 using 1.2 TB HDD .	Yes/No
8	Tiering	Storage Subsystem should support automated tiering of data without any manual intervention. The tiering must be 3-way with data being moved between SSD, SAS and NL-SAS appropriately.	Yes/No
9	Performance	The cache IOPs of the offered storage system should be greater than 2,00,000 IOPs. OR	Yes/No

		21,000 and above disk(Mixed)IOPS (Read 60% & above , Write 30% & above).	
10	Management	Easy to use GUI based and web enabled administration interface for configuration, storage management. Should offer real time performance monitoring tools giving information on CPU utilization, volume throughput, I/O rate and latency	Yes/No
11	AC Power	100 – 240 V AC, 50 – 60 Hz	Yes/No
12	OS Support	Support for industry-leading Operating System platforms including: Windows LINUX, Solaris, Vmware.	Yes/No
13	Built in Redundancy	The system shall support Fully Redundant & Hot Swappable Fans & Power Supplies. There shall be support for Non Disruptive Microcode Update & Non Disruptive Parts Replacement	Yes/No
14	Rack Mountable	The proposed system must be mounted on a standard 19 inch rack	Yes/No
15	Replication	Storage Subsystem should have replication feature and also should be able to replicate within the same family. It should be able to replicate the changed volume. Should support IP replication.	Yes/No

SAN Switch Qty. 1

1		8 Gig FC SAN switch with 8 ports active extendable to 16 ports with 3 years Onsite Comprehensive warranty & support. Make : HP/Cisco/Brocade/Lenovo/Dell	Yes/No
---	--	---	--------

Kindly attach the technical data sheet of Make & Model of Servers quoted .

Date :

(Signature)
Name of Vendor

Financial Bid For Procurement of Servers for MDI Gurugram**(Part- B)**

S. No.	Description (Kindly mention As per detail given in the Technical bid).	Unite Price	Amount
1	Make and Model of server with 3 Years Comprehensive onsite warranty . (7x24) 4-hour Onsite Service.		
2.	OS type and version and Support for 3 years.		
3.	SAN Storage and SAN switch with 3 Years Comprehensive onsite warranty .		
3.	Make and version of Virtualization software and Support for 3 years		
4.	Automated Backup software and Hardware with appropriate OS and support for 3 years.		
5.	Cloud Based Backup 1TB usable for 3 years.		
6.	Installation for all the above items.		
2	Total		
3	Taxes		
A)	Grand Total (2+3)		

Note :Kindly submit the item wise prices of the equipments on the separate sheet.

Payment Terms :

- 80% (eighty percent) of the total bill value of items supplied will be paid within 1 month of complete delivery of items at the MDI campus and
- 15 % of within 1 month of satisfactory commissioning of all the items and delivery of warranty documents and Software Licenses.
- 5 % of will be made after half yearly post payment in six equal installment

Delivery Schedule :

Date :

(Signature)
Name of Vendor