

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

Date: April 11, 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/Bank Guarantee with 6 months validity, 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 was held on **April 17, 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 19, 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 26 ,**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) In case the full quantity of Equipments is not supplied within the date stipulated penalty shall be imposed @ 0.2% of the order value for each week of delay subject to a maximum of Rs. 50,000/- (Rs. Fifty thousand only).
- (xvi) Sub contract of Project is not allowed.
- (xvii) 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 ).	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 <b>Oracle/ People Soft /SAP</b> , 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"> <li>• Technical</li> <li>• Non Technical</li> </ul>			
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	Maker and Model of Database Server <ul style="list-style-type: none"> <li>• <b>Oracle Oracle Database Appliance X6-2M</b></li> </ul> Make and Model of Application Servers proposed <ul style="list-style-type: none"> <li>• <b>Dell Power Edge R730</b></li> <li>• <b>HP HP ProLiant DL380 , HPE MSA2042 SAN</b></li> <li>• <b>Lenovo Lenovo x3550 M5, V3700</b></li> </ul> Server Hardware should be of the model specified OR higher configuration to meet all Technical Details given in Annexure I. With installation.	Yes/No  Yes / No Yes / No Yes / No Yes / No
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. - 01**

<b>Sl. No.</b>	<b>Items</b>	<b>Descriptions</b>	<b>Vendor Response</b>
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	<b>Yes/No</b>
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.	<b>Yes/No</b>
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	<b>Yes/No</b>
4	Memory	Each with at least 256 GB DDR4 expandable upto 768 GB	<b>Yes/No</b>
5	Hard disk drive	2x600GB, 10Krpm, SAS internal Hot swappable HDD in each server. 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.	<b>Yes/No</b>
6	Storage Controller	Integrated PCIe 3.0 based SAS Raid Controller with RAID 5 with 1 GB of Flash backed write cache onboard.	<b>Yes/No</b>
7	Networking features	Dual Port 10GbE Converged Network Adaptor and 1* FC with 16Gbps	<b>Yes/No</b>
8	Interfaces	Minimum of 4 * internal USB 3.0 port	<b>Yes/No</b>
9	Rack Server Connectivity	8/16 Gbps Dual port Fiber Channel HBA internal to the Server.	<b>Yes/No</b>
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	<b>Yes/No</b>

		SAS based adaptors	
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. VS6-STD-C - Academic VM ware v Sphere 6 Standard for 1 Processor. – 1 No VS6-STD-3P-SSSA - Academic Production Support /Subscription VMware V Sphere Standard Acceleration kit for 6 processors for 3 years (Technical Support ,24 hour Sev1 support-7 days a week).- 1 nos VCS6-STD-A - Academic VMware Vcenter Server 6 Standard for Vsphere 6(Per Instance).-1 No VCS6-STD-3P-SSS-A - Academic Production Support /Subscription VMware VCentre Server 6 Standard for 60 (Per Instance) for 3 years (Technical Support ,24 hour Sev1 support-7 days a week)- 1No <b>OR</b> OVM Server recommended version for X86 is 3.3.2. <b>(In either case Oracle supported virtualization for application instances)</b>	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	Yes/No

		server. There should be a built -in Update manager that can update firmware of system by connecting online.	
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.</p> <p>Server should support automated firmware update. Server should support agent less management using the out-of-band remote management port.</p> <p>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.</p> <p>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>	Yes/No

		The Server Management Software should be of the same brand as of the server supplier.	
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 for application server to Cloud through an on premises hardware and 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	Warranty	3 years comprehensive onsite warranty inclusive of parts and labor. .	Yes/No
23	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
24	Installation & Configuration	The two physical servers with virtualized instances must be Installed and configured by authorized personnel from OEM. The servers will be commissioned by the OEM's engineers / Authorized by OEM only.	Yes/No



		The on-site support will be by the OEM's engineer / Authorized by OEM only.	
25	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

## Data Base Server Qty:1

<b>System Architecture</b>		
Two Intel® Xeon® processors for Oracle Database Appliance X6-2M		Yes/No
E5-2630 v4 2.2 GHz, 10 cores, 85 watts, 25 MB L3 cache, 8.0 GT/s QPI, DDR4-2133		Yes/No
<b>Cache</b>		
Level 1: 32 KB instruction and 32 KB data L1 cache per core		Yes/No
Level 2: 256 KB shared data and instruction L2 cache per core		Yes/No
Level 3: 25 MB shared inclusive L3 cache per processor		Yes/No
<b>Main Memory</b>		
256 GB (8 x 32 GB)		Yes/No
Optional memory expansion to 512 GB (16 x 32 GB) or 768 GB (24 x 32 GB)		Yes/No
<b>INTERFACES</b>		
<b>Standard</b>		
Four onboard auto-sensing 100/1000/10000 M Base-T Ethernet ports		Yes/No
USB: six 2.0 USB ports (two front, two rear, and two internal)		Yes/No
Expansion bus: four PCIe 3.0 slots		Yes/No
PCIe internal slot: dual-port internal SAS HBA		Yes/No
PCIe slot 2: NVMe Switch PCIe card		Yes/No
PCIe slot 3: dual-port 10GbE SFP+ PCIe card		Yes/No

No additional cards may be added	Yes/No
<b>Storage</b>	
Two small form factor front hot-swappable 480 GB SATA SSDs (mirrored) for Operating System and Oracle Database software	Yes/No
Two small form factor front NVMe SSDs for data storage	Yes/No
6.4 TB raw capacity, 3.2 TB (double-mirrored) usable capacity	Yes/No
Optional expansion to four small form factor front NVMe SSDs for data storage 12.8 TB raw capacity, 6.4 TB (double-mirrored) or 4.2 TB (triple-mirrored) usable capacity	Yes/No
Storage Capacity is based on storage industry conventions where 1 TB equals 1,0004 bytes	Yes/No
<b>Graphics</b>	
VGA 2D graphics controller embedded with 8 MB of dedicated graphics memory	Yes/No
Resolution: 1,600 x 1,200 x 16 bits @ 60 Hz via the rear HD15 VGA port (1,024 x 768 when viewed remotely via Oracle ILOM)	Yes/No
<b>SYSTEMS MANAGEMENT</b>	
<b>Interface</b>	
Dedicated 10/100/1000 M Base-T network management port	Yes/No
In-band, out-of-band, and side-band network management access	Yes/No
RJ45 serial management port	
<b>Service Processor</b>	
Oracle Integrated Lights Out Manager (Oracle ILOM) provides:	Yes/No
Remote keyboard, video, and mouse redirection	Yes/No
Full remote management through command-line, IPMI, and browser interfaces	Yes/No
Remote media capability (USB, DVD, CD, and ISO image)	Yes/No
Advanced power management and monitoring	Yes/No
Active Directory, LDAP, and RADIUS support	Yes/No
Dual Oracle ILOM flash	Yes/No
Direct virtual media redirection	Yes/No
FIPS 140-2 mode using OpenSSL FIPS certification (#1747)	Yes/No
<b>Monitoring</b>	
<ul style="list-style-type: none"> <li>Comprehensive fault detection and notification</li> </ul>	Yes/No
<ul style="list-style-type: none"> <li>In-band, out-of-band, and side-band SNMP monitoring v1, v2c, and v4</li> </ul>	Yes/No
<ul style="list-style-type: none"> <li>Syslog and SMTP alerts</li> </ul>	Yes/No
<ul style="list-style-type: none"> <li>Automatic creation of a service request for key hardware faults with Oracle's automated service request (ASR)</li> </ul>	Yes/No

<b>SOFTWARE</b>	
Operating Systems	Yes/No
Oracle Linux (Pre-Installed)	Yes/No
Oracle Appliance Manager (Pre-Installed)	Yes/No
Oracle Database Software (Licensed Separately)	Yes/No
Choice of Oracle Database software	Yes/No
Oracle Database 11g Enterprise Edition Release 2 and Oracle Database 12c Enterprise Edition	Yes/No
Oracle Database 12c Standard Edition 2	Yes/No
Oracle Database 11g Standard Edition and Standard Edition One	Yes/No
Support for:	Yes/No
Oracle Database Enterprise Edition database options	Yes/No
Oracle Enterprise Manager Management Packs for Oracle Database Enterprise Edition	Yes/No
<b>ENVIRONMENT</b>	
Operating temperature: 5°C to 35°C (41°F to 95°F)	Yes/No
Nonoperating temperature: -40°C to 70°C (-40°F to 158°F) • Operating relative humidity: 10% to 90%, noncondensing	Yes/No
Nonoperating relative humidity: up to 93%, noncondensing	Yes/No
Operating altitude: up to 9,840 feet (3,000 m*) maximum ambient temperature is derated by 1°C per 300 m above 900 m (*except in China where regulations may limit installations to a maximum altitude of 6,560 feet or 2,000 m)	Yes/No
Nonoperating altitude: up to 39,370 feet (12,000 m)	Yes/No
Acoustic noise: 7.0 Bels A-weighted operating, 7.0 Bels A-weighted idling	Yes/No
<b>POWER</b>	
Two hot-swappable and redundant power supplies, rated 91% efficiency	Yes/No
Rated line voltage: 100 to 240 VAC	Yes/No
Rated input current 100 to 127 VAC 7.2 A and 200 to 240 VAC 3.4 A	Yes/No

<b>Cloud Back-up 1 TB of Oracle Data-Base for 3 years with support.</b>	Yes/No
<b>For connectivity of Application server and Database server bidder should provide Ethernet connectivity using Ethernet 10GIG. CAT6 cable (Systemax/AMP)</b>	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)**

<b>S. No.</b>	<b>Description</b> (Kindly mention As per detail given in the Technical bid).	<b>Unite Price</b>	<b>Amount</b>
<b>1a</b>	Oracle Database Server ODA X6-2M with Cloud back-up (One TB for 3 years) and with 3 Years Comprehensive onsite warranty (7x24) 4-hour Onsite Service.		
<b>1b</b>	Make and Model of Application Server with 3 Years Comprehensive onsite warranty. (7x24) 4-hour Onsite Service.		
<b>1c</b>	OS type and version and Support for 3 years.		
<b>1d</b>	VM ware Virtualization software and Support for 3 years .		
<b>1e</b>	Installation for all the above items.		
<b>2</b>	<b>Total</b>		
<b>3</b>	<b>Taxes</b>		
<b>4</b>	<b>Grand Total (2+3)</b>		

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

**Optional**

<b>S.No</b>	<b>Description</b>	<b>Unite Price</b>	<b>Amount</b>
<b>1a)</b>	Automated Backup software and hardware (including server for on-premise solution) with support for 3 years (only for application server).		
<b>1b)</b>	Cloud Based Backup 1TB usable for 3 years.		
<b>1c)</b>	Installation for all the above items		
<b>2</b>	<b>Total</b>		
<b>3</b>	<b>Taxes</b>		
<b>4</b>	<b>Grand Total (2+3)</b>		

**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 : Within 8 weeks**

Date :

(Signature)  
Name of Vendor