

## **REQUEST FOR PROPOSAL (RFP)**

**SUPPLY AND INSTALLATION OF CHASSIS AND BLADE SERVERS  
FOR INDIAN BANKING COMMUNITY CLOUD PROJECT  
IDRBT, HYDERABAD**



**Institute for Development and Research in Banking Technology  
IDRBT, Castle Hills, Road No.1, Masab Tank, Hyderabad – 500057,**

<http://www.idrbt.ac.in>

# Introduction

Institute for Development & Research in Banking Technology is an Autonomous body Established by Reserve Bank of India to offer a robust communication backbone for Indian banking sector (INFINET and SFMS).

## Tender for Procurement of Two Chassis with 2\*2 Blade Servers

IDRBT invites technically complete and commercially competitive proposals from reputed vendors for supply, installation of 2 Chassis with 2 Blade servers in each of the chassis for Indian Banking Community Cloud (IBCC) project, IDRBT, Hyderabad. The Technical Specifications for Chassis and Blades is enclosed in the Annexure I.

### Bid Submission

The Technical and Commercial bids shall be submitted in separate sealed envelopes clearly super scribing on the envelope “Technical Bid for purchase of Chassis and BLADE Servers for IBCC project, IDRBT, Hyderabad as per Tender No IDRBT/SYS/GR/13.10/667/2014-2015 & “Commercial Bid for purchase of Chassis and Blade Servers for Cloud Community Project, IDRBT Hyderabad as per Tender No. IDRBT/SYS/GR/13.10/667/2014-2015, dated Sep 10, 2014 on or before **12.00 Noon of Sep 22, 2014**.

### The Commercial Bid should contain the following:

The vendors are required to submit a copy of the Technical Bid highlighting the features to be supplied along with the Commercial Bid. The format of Commercial Bids to be submitted is as follows:

#### Commercial Specifications for Item

S.No.	Part No.	Make & Model	Description	Qty.	Amount in Rs.	
					Unit Price	Total Amount
1.						
2.						
	Total Amount					
	Add: Taxes (If any)					
	Grand Total					

Taxes if any should be explicitly stated in the Commercial Bid along with the delivery schedule.

Taxes if any should be explicitly stated in the Commercial Bid along with the delivery schedule and three years (03) AMC charges after the warranty period.

Bids sealed in accordance may be sent by registered post or hand delivered so as to be received at the following address:

The Director,  
Institute for Development and Research in Banking Technology,  
Road No. 1, Castle Hills, Masab Tank, Hyderabad –500057

### **Bidding Process**

A two stage bidding procedure will be followed. The response to the present tender will be submitted in two parts i.e. the Technical Bid and the Commercial Bid.

In the first stage, only the 'Technical Bids' will be opened and evaluated. Those bidders satisfying the technical requirements of Chassis and Blade server, as determined by the IDRBT and as per the requirements/specifications and the terms and conditions of this document, shall be short-listed. In Second Stage, Commercial bids of technically qualified vendors will be opened

### **Bidders Eligibility Criteria**

Bidders must meet the following eligibility requirements. Bids of non-compliant bidders will not be technically or financially evaluated.

1. The Bidder shall provide evidence that it is a current legal entity.
2. The Bidder/System Integrator should be the authorized representative / dealer/ Distributor of the OEM. The proof in support of the same must be enclosed along with the technical bid as per the Annexure -2 of RFP.
3. Bidder must have back-to-back support relation with the OEM's whose products are offered by the bidder to IDRBT. The proof in support of the same must be enclosed.
4. The bidders and its associates should be able to arrange adequate inventory of the spares and other related equipments to ensure minimum downtime.
5. The bidder should be profit-making company.
6. The last three financial years' audited Balance Sheet and Profit and Loss reports shall be provided.
7. The Bidder must organize the bid in accordance with the format specified in the tender document.
8. The cost of bidding and submission of tender documents is the responsibility of bidders, regardless of the conduct or outcome of the tendering process.

### **Terms & Conditions:**

1. All bids and supporting documentation shall be submitted in English.
2. IDRBT will not take into consideration, any variation in the \$ price.
3. All costs and charges, related to the bid, shall be expressed in Indian Rupees only and the above total cost is inclusive of installation charges and customization charges.
4. Entry/Octroi will be paid at actuals on production of invoices for the same and should not be included in the total amount.
5. The supply of 2 Chassis and 2\*2 Blade Servers should be done within 04 (Four)

- weeks from the date of purchase order.
6. The Bidder is liable to be rejected if any commercial details are found along with the technical bid.
  7. The cost of bidding and submission of the bids is entirely the responsibility of the Bidders, regardless of the conduct or outcome of the tendering process.
  8. Three years on-site comprehensive warranty should be provided.
  9. After the warranty period, the vendor has to provide the acceptance for extending AMC support for further 3 years.
  10. We would like you to quote directly but in case you need your channel partners to quote for this tender, you may ask your top 4/5 partners to quote.
  11. The name, address and contact numbers of the channel partners to whom you would be asking to quote, also should be informed to us.
  12. The Vendors should be the Original Manufacturer of the Equipments or authorized supplier/representative in India. An Authorization letter from the manufacturer to this effect should be furnished as enclosed in Annexure II.
  13. IDRBT reserves the right to reject all or any of the quotations without assigning any reason thereof.
  14. IDRBT reserves the right to split the order.
  15. The decision of IDRBT shall be final.

### **Period of Validity**

All the prices and other terms and conditions of the offer proposed by the Bidder should be **Valid** for a **minimum** period of *Three months. The bidder shall also quote price for Blade Servers for the given configuration for x86 architecture and a similar configuration of RISC based architecture for a validity period of 2 years.*

### **Correction of Errors**

Arithmetic errors in bids will be treated as follows:

Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern.

Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate will govern unless, in the opinion of IDRBT, there is obviously a gross error such as misplacement of a decimal point, in which case the line item total will govern.

Where there is a discrepancy between the amount mentioned in the bid and the line item total present in the Bill of Material, the amount obtained on totaling the line items in the Bill of Materials will govern.

The amount stated in the tender form, adjusted in accordance with the above procedure, shall be considered as binding, unless it causes the overall tender price to rise, in which case the bid price shall govern.

### **Acceptance or Rejection of the Bid**

IDRBT reserves the right not to accept any bid, or to accept or reject a particular bid at its sole discretion without assigning any reason whatsoever. The tenders not submitted in the prescribed format or incomplete in any sense are likely to be rejected.

### **Confidentiality**

Bidder / Vendor agrees that all mails, data, financial, mail architecture and personnel data relating to IDRBT' s business and other information identified as confidential by the IDRBT (IDRBT Confidential), the same shall be kept confidential and shall not be shared with any third party without prior written approval from IDRBT

### **Site Visits**

Visits to reference sites may be sought at the discretion of IDRBT. Bidder shall provide, in addition to customer sites, an invitation to IDRBT to visit Bidder' s own site.

### **Right to Verification**

The IDRBT reserves the right to verify any or all statements made by the Vendor in the tender document and to inspect the Vendor' s facility, if necessary, to establish to its satisfaction about the Vendor' s capacity to perform the job.

### **Insurance**

Insurance for all the hardware components supplied under the contract shall be arranged by the Bidder at his own risk and cost through out the period of delivery, implementation and final acceptance process.

IDRBT will not be responsible for any loss/damage/theft of any systems/goods due to any reasons whatsoever, claims etc., if the Bidder himself will deal any. Evidence of the insurance policy shall be submitted to IDRBT.

### **Payment Terms:**

- a) A payment of Ninety percent (90%) of the contracted sum, would be payable on successful installation, integration and issue of acceptance certificate to that effect by the Institute.
- b) A payment of 10% of the order value would be payable to the supplier on expiry of the warranty period or against bank guarantee of the same amount valid till the last date of the warranty period.
- c) All payments will be released based on separate invoices submitted to Institute by the vendor.

#### **1. Order Cancellation:**

- a. IDRBT reserves its right to cancel the order in the event of one or more of the following situations:
  - b. Delay in delivery beyond the specified period.
  - c. Delay in installation beyond **02** weeks from the date of Purchase Order.

#### **2. Penalty for Delay in supply:**

For any delay in installation and commissioning of the equipments beyond the specific period, IDRBT will charge penalty @ 0.5% of the order per week or part thereof, subject

to a maximum of 6%. In case, the amount equal to 6% of the order value is deductible as penalty and the vendor is still unable to complete successful Installation, the Institute reserves the right to cancel the order and no payment will be made to the vendor.

### 3. Penalty for downtime

Any equipment that is reported to be down should be either fully repaired or replaced by temporary substitute (of equivalent configuration) within 3 working days.

In case vendor fails to meet the above standards of maintenance, there will be a penalty chargeable in **rupees per day** from 4<sup>th</sup> day of the problem complained as specified in the table below.

Sl.No.	Item	Penalty chargeable per day (Rs)
1	Chassis and Blades	5000

If the problem is not resolved even after a week from the day complained, then the institute reserves the right to invoke the bank guarantee or the equivalent amount will be deducted from the 30% of the total amount with held by IDRBT till the completion of warranty period.

The contractor shall provide on site service of the equipment (except spares) once in every 3 months during the warranty period.

### 4. Repeated failure

During the warranty period if any system as a whole or any subsystem has any failure on two or more occasions in a period of 3 months, it shall be replaced by equivalent new equipment or any alternative steps are to be taken which would serve the purpose to the Institute.

Every quarterly engineer has to visit and check the server performance or any corrective maintenance or patch updates required for smoother operation and also as and when desired by the institute for technical help or installation help.

Three years on-site comprehensive warranty should be provided by the vendor for all the equipments quoted.

The Vendors should be the original manufacturer of the equipments or authorized supplier/representative in India. An Authorization letter from the manufacturer to this effect should be **compulsorily** furnish as enclosed in **Annexure II without which the bid may be rejected.**

The vendors are required to adhere to tendering norms and no undue explanation, request for change in due date of bid submission, etc. will be offered by the Institute. Any request of any kind from the vendor before the bid submission due date must be forwarded to the undersigned in writing. The Institute reserves the right to accept or reject the vendor request without offering any explanation or reason for the acceptance or rejection. However, in case of any change/amendment in the tender content, all vendors participating in the tendering process would be informed in writing and sufficient time would be provided to adhere to such change/amendment

## Annexure I

<b>Chassis Specification</b>	
<b>Features</b>	<b>Specifications for Chassis</b>
Form Factor	Max 10U Rack mounted Chassis to house at least 14 two socket Compute Nodes or 7 four socket Compute Nodes.
IO Modules	Min Four high-speed switch bays capable of supporting I/O architectures in Ethernet, FiberChannel, FCoE and Infiniband
Ethernet IO Module (10G)	Chassis should be provided with 2 x 10Gbps Ethernet switch modules with minimum 8 number of uplinks. The provided 10G Ethernet switches should have L3 capability.
Fibre Channel IO Module	The chassis should support 16Gbps FC SAN switches with support for both 8Gbps and 16Gbps uplinks
Midplane	Chassis should have a highly reliable mid plane for providing connectivity of the shared resources to the compute nodes in a highly reliable manner.
Power Modules	Redundant power modules, provide N+N or N+1 redundancy, where N is greater than 1. All the power supplies and cooling modules within the chassis shall be fully populated
Chassis Management Module	Integrated two redundant chassis Management Modules providing IP based management of the compute nodes and vital elements like FC and Ethernet Switches. Should also provide for controlling Power, Fan management, Chassis and compute node initialization, Switch management, Resource discovery and inventory mgmt, Resource alerts and monitoring management, Chassis and compute node power mgmt and diagnostics for elements including Chassis, I/O options and compute nodes.
Management Appliance	Should provide a management appliance for comprehensive management including virtualization, networking, and storage management as detailed below. The mgmt appliance should be from the same OEM as of the chassis
Network Management	Should support for the following Network Management Capabilities: <ul style="list-style-type: none"> <li>• Management of network switches from a variety of vendors.</li> <li>• Discovery, inventory, and status monitoring of switches.</li> <li>• Graphical network topology views.</li> <li>• Support for KVM, Hyper-V, Xen, VMware virtual switches, and physical switches.</li> <li>• VLAN configuration of switches.</li> <li>• Integration with server management.</li> <li>• Per-virtual m/c network usage and performance statistics provided to VMControl.</li> <li>• Logical views of servers and network devices grouped by subnet and VLAN.</li> </ul>
Virtualization Management	Should support the following Virtualization Management Capabilities: <ul style="list-style-type: none"> <li>• Support for VMware, Hyper-V, KVM and Xen.</li> <li>• Creates virtual servers.</li> <li>• Edits virtual servers.</li> <li>• Manages virtual servers.</li> <li>• Relocates virtual servers.</li> <li>• Discovers virtual server, storage, and network resources and visualize the physical-to-virtual relationships.</li> </ul>
System Panel	LEDs on the front information panel that can be used to obtain the status of the chassis Identify, Check log and the Fault LED
Support for Multiple Platform	Should provide support for multiple platforms in x86 and RISC servers within the same enclosure. Servers in the chassis should support highest clock speed processors on Intel 135W processors.

Operating Temperature Range	5 C >= 35 C Each blade enclosure should have a cooling subsystem consisting of redundant hot pluggable fans or blowers enabled with technologies for improved power consumption and acoustics
Management Network	Chassis should be able to provide 1 Gb/s to each node for management

<b>Blade Servers Specifications</b>	
<b>Features</b>	<b>Specifications Required</b>
CPU	4*Intel Xeon E5-4620 8C 2.2 GHz 16 MB 1333 MHz 95W or the latest version
Chipset	Intel Chipset C600 or compatible
Memory	256 GB with 16x 16 GB RDIMMs and four processors. Should support 768 GB with 48x 16 GB RDIMMs and four processors
Memory protection	ECC, Memory Mirroring, Memory Sparing
SCSI Controllers	RAID 0 and 1 with integrated RAID controller.
Disk Drives	2 x 600GB 6Gbps 10K SAS Hard Disk Drive
Graphics Controller	16MB SDRAM
Ethernet Adapter	Server should be configured with 4 Number of 10G Ethernet ports, also support FCOE and iSCSI functionality on demand
Fiber Channel HBA Connectivity	Server should support 16Gbps FC HBA
I/O Expansions	4 x PCI Express 3.0 x16 interface or better
Warranty	3 Years Onsite Comprehensive Warranty includes part replacement
USB	USB ports: One external. Two internal for embedded hypervisor
Failure Alerting Mechanism	The server should be able to alert impending failures on maximum number of components. The components covered under alerting mechanism should at least include Processor, memory and HDDs
Server Mgmt Software	Server should be supplied with OEM Server Management software
OS Support	Microsoft Windows Server 2008 R2 and 2012, Red Hat Enterprise Linux 5 and 6, SUSE Linux Enterprise Server 10 and 11, VMware ESX, Oracle Linux, Ubuntu, etc
Industry Standard Compliance	ACPI 2.0 Compliant; PCIe 3.0; WOL Support; Microsoft® Logo certifications; USB 2.0 Support; IPMI2.0; Secure Digital 2.0; TPM1.2 support; Advanced Encryption Standard (AES) Triple Data Encryption Standard (3DES), SNMP, SSL 2.0, DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP), Active Directory v1.0

**For any questions/clarifications related to requirements, please contact us at [IBCC@idrbt.ac.in](mailto:IBCC@idrbt.ac.in)**



**Annexure II**

**MANUFACTURER'S AUTHORISATION FORM (MAF)**

No. \_\_\_\_\_ Dated \_\_\_\_\_

To

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

We \_\_\_\_\_ who are established and reputable manufactures of \_\_\_\_\_ Having offices at \_\_\_\_\_ and \_\_\_\_\_ do hereby authorize M/S \_\_\_\_\_ (Name and address of Agent/Dealer) to offer their quotation, negotiate and conclude the contract with you against the above invitation for tender offer.

We hereby extend our full guarantee and warranty as per the terms and conditions of the tender and the contract for the equipment and services offered against this invitation for tender offer by the above firm.

Yours faithfully,

(Name) for and on behalf of M/s \_\_\_\_\_  
(Name of manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a competent person of the manufacturer.