

CENTRAL UNIVERSITY OF PUNJAB

Established vide Act No. 25 (2009) of Parliament

Tender No.: P-17(2015-16)



Tender Notice for Purchase of Load Balancer and Proxy Server

(Two Bid System)

Release Date : July 17, 2015

Last Date : August 07, 2015; 3:00P.M.

City Campus, Mansa Road, Bathinda- 151001,
E-mail: registrar@cup.ac.in, Tel: 0164-2864155,

Central University of Punjab, Bathinda

Central University of Punjab invites sealed tenders from Reputed Manufacturers (OEM)/Authorized Dealers for supply of **Load Balancer and Proxy Server**.

Tender Notice Number	:	P-17(2015-16)
Release Date of the Tender	:	July 17, 2015
Last date for the submission of Tender	:	August 07, 2015; 3:00P.M.
Opening date of Tender	:	August 07, 2015: 4:30P.M. (In case tender opening day declared holiday for any reason the tender will be opened on next working day at same time.)
Name and Address of the University	:	Registrar, Central University of Punjab, City Campus, Mansa Road, Bathinda – 151001, Punjab, India.
Tel.	:	0164-2864155
E-Mail Address	:	registrar@cup.ac.in
Tender Fee (Non-Refundable)	:	Rs. 500/- drawn in favour of Central University of Punjab, Bathinda in the shape of Demand Draft only.
Earnest Money Deposit (EMD)	:	Rs. 14,000/- drawn in favour of Central University of Punjab, Bathinda in the shape of Demand Draft only.

Note: Offers without Tender Fee & EMD shall not be entertained. The bidders registered with NSIC are exempted from submission of Tender Fee & EMD.

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GUIDELINES FOR PREPARATION OF TENDER

- 1 Tender fee along with Earnest Money Deposit (EMD) and all other necessary documents should be submitted for the equipment. The main envelop should super- scribe: ***“Tender for Load Balancer and Proxy Server Last date of submission August 07, 2015; 3:00P.M.”***.
- 2 The proposals shall be submitted in two parts, viz. **Technical bid and Financial bid** in two separate sealed envelopes (with respective marking super-scribed in bold).
- 3 The first envelope (envelope 1) marked **“Technical bid”** should include the technical specifications. The first envelope should not contain any cost information whatsoever.
- 4 The second envelope (envelope 2) marked **“Financial bid”** should contain the detailed price offer in prescribed format.
- 5 Both the sealed envelopes Technical bid and financial bid should be placed in a bigger sealed cover. The top of cover must also contain Name and Address of the tenderer, telephone and other contact details for further correspondence.
- 6 Financial bid and Technical compliance sheet for each instrument should be strictly as per tender format, and signed on each page.
- 7 Blank Tender Forms for the above items along with details can be downloaded from www.cup.ac.in or www.cup.edu.in. The non-refundable application fee must be accompanied with tender.
- 8 Tenders must accompany a copy of the **“General Financial Terms and Conditions”** section of this document, signed and stamped on each page indicating that they agree to these.
- 9 Last date of submission of tender along with requisite fee, EMD and all documents is **August 07, 2015**.
- 10 The DD for application fee, EMD or any other must be drawn in favour of Central University of Punjab, Bathinda.
- 11 The Tenders/Quotations will be opened at the University campus as per given schedule if the Tender opening day happens to be official Holiday then the tenders will be opened on the next working day, in the presence of bidders whosoever may wish to be present.
- 12 The tenders received late, without tender fee, without earnest money, without required documents or incomplete in any respect / Misleading will out rightly be rejected. Electronic submission of documents (by facsimile, email and so on) is not acceptable.
- 13 If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item, the certificate to this effect should be attached.
- 14 **Availability of Spares/Consumables:** The tenderer must give certificate duly signed and stamped by manufacturer for the availability of spares/consumables and servicing of instrument for at least 10 years. Supplier should give an undertaking that spares parts will be supplied within the specified periods as and when ordered.

15 Apart from all these terms and conditions, specific terms as specified for each instrument must also be complied.

16 The tender competing in technical evaluation will only be considered for financial evaluations. The price envelopes of others will not be considered. At second stage, financial bids of only technically acceptable offers should be opened for further evaluation and ranking before awarding the contract.

17 The financial proposal shall be opened in the presence of the tenderers or their representative who choose to attend. The prior information in this regard will be given to the qualified tenderers.

18 The printed literature and catalogue/brochure giving full technical details should be included with the technical bid to verify the specifications quoted in the tender.

GENERAL FINANCIAL TERMS AND OTHER CONDITIONS

1. **Prices:** Quoted prices should be firm and FOR Central University of Punjab (CUPB), City Campus, Mansa Road, Bathinda and complete break up of all taxes and duties payable by the university should be clearly defined otherwise it will be presumed that the rates quoted are inclusive of all these charges and nothing extra will be paid. **Special Discount/ Rebates, whichever applicable to an educational Institution, may also be specifically indicated.**
2. **Payment terms:** 100% payment will be made through RTGS/by cheque after delivery, installation and demonstration of goods in good condition and satisfactory inspection report of the Indenter.
3. **Parts of Equipment:** Where the equipment is composed of several subunits/components, the rate should be quoted for each subunit/ component. The University reserves the right to increase or decrease the number of subunits/ components and number of equipment according to its requirements. The rates in ambiguous terms will render the bids liable to rejection. The words “Not quoting” should be clearly written against any item of equipment for which the tenderer is not quoting.
4. **Taxes:** All kinds of Statutory Taxes will be paid by the purchaser on the basis of supportive Documentary Evidence.
5. **Validity:** Tenders/Quotations should be valid for three months from the last date of its submission.
6. **Opening of Tenders:** Tenders complete in all respect will only be considered. Tenders/Quotations will be opened at the University campus as per given schedule, if the Tender opening day happens to be official Holiday then the tenders will be opened on the next working day, in the presence of bidders whosoever may wish to be present.
7. **Incomplete or Misleading Tenders / Quotations:** Tenders/Quotations duly sealed and sent only by post/courier will be considered. Tenders/Quotations received late or incomplete in any respect/ misleading without earnest money& without required documents will out rightly be rejected. No responsibility with regard to postal delays due to any reason whatsoever will be accepted.
8. **Right to reject:** The CUPB reserves right to accept/reject any or all the Tenders/Quotation sat any time without assigning any reason.
9. **Delivery Schedule:** Delivery schedule should be clearly mentioned in the Tenders/Quotations. In case of imported item, the supplier their Indian agent will be responsible for delivery of the material from the place of discharge of material to final point.
10. **Installations:** Installations and Training of the equipment under purchase, if any, will be of free of cost.
11. **Penalty for non/late delivery of material:** If the supplier fails to deliver the material/equipment within the stipulated delivery period of the Supply/Purchase order/contract the same is liable to pay penalty charges at 0.5% of the cost of undelivered goods/ services per week, not exceeding maximum limit of 10% of the cost of complete unit of undelivered equipment/material so delayed.
12. **Custom Duty & Excise Duty Exemption:** The University being a public funded and non-commercial research institution is exempted from paying Custom Duties vide notification no. 51/96-custom and the provision of the said notification will apply. University will provide DSIR certificate, Custom Duty Exemption Certificate (CDEC), road permit and other necessary certificates. Since the University does not have any Clearing Agent, the Supplier is requested to get the consignments cleared on behalf of the University. The admissible Custom Duty will be reimbursed to the Supplier on production of

documentary evidence of payment of Custom Duty and also satisfactory installation report from the Indenter. The equipment should not be taken to warehouse/ Go-down and should come straight from the nearest Airport to the University. In case of inspection by the Custom, legible seal of Custom Officials should be present along the tearing of consignment.

13. **Security Deposit:**

a. You are required to submit within 30 days security deposit amounting to 5 per cent of ordered value either in cash/demand draft in favour of the Central University of Punjab, Bathinda or in the form of Bank Guarantee (BG).

b. On faithful execution of the Supply/Work order/contract on all respects, including warranty period, the security deposit of the contractors/supplier shall be released.

c. In the event of default on your part in faithful execution of Supply/Work order/contract, the security deposit shall be forfeited by an order of the Registrar of the University. The forfeiture of security deposit shall be without prejudice to any other right arising or accruing to the university under relevant provisions of the Supply/Work Order/contract like penalty/damages for delay in delivery provisions under Negligence& default clause including suspension of business dealings with the university for a specific period.

14. **Warranty/ Guarantee:**

a) The supplier/contractor shall be responsible to replace free of cost with no transportation and insurance expenses to the University up to the destination of material equipment, the whole or any part of the material which under normal and proper use and maintenance, proves defective in material or workmanship within 18 months from the date, it is taken over by the University or 12 months from the date of installation whichever expires earlier, provided the University gives prompt written notice of such defects to the supplier/contractor. Such replacement shall be effected by the supplier/contractor within a reasonable time not exceeding 6 months of the intimation of defects. Supplier's/Contractor responsibility arising out of supply of material or its use whether on warranties or otherwise shall not in any case exceed the cost of correcting the defects or replacing the defective part/material and upon the expiry of the warranty period stipulated above, all such liabilities shall terminate.

b) The above provision shall equally apply to the material so replaced/repared by the Supplier/Contractor under this clause in case the same is again found to be defective within 12 months of the replacement/repair.

c) In case the replacement /repair of defective material is not carried out within six months of intimation of defects, the Supplier/Contractor shall have to pay interest @ 12 per cent per annum on the value of each complete operational unit of equipment beginning from the date of becoming defective up to date of its re-commissioning after replacement/repair.

15. **Civil Suit Jurisdiction:** All legal proceedings in connection with this Supply/Purchase order/Contract shall be subject to the territorial jurisdiction of the local Civil Courts, as per Indian Laws, at Bathinda only.

16. **Cancellation :** The University reserves the right to cancel the Supply/purchase order as a whole or in part at any time or in the event of default on the part of the Supplier prior to the receipt of information regarding taking in hand of the manufacture of material against the Supply/Purchase order/dispatch of material to the consignee.

17. Conditional bids shall not be considered.

18. The CUPB reserves the right to increase or decrease the quantity of the tender items.

**TECHNICAL SPECIFICATIONS AND COMPLIANCE SHEET FOR
LOAD BALANCER AND PROXY SERVER**

Specifications
Interfaces:
Should have minimum 6 Copper GbE Ports
should have minimum 3- 10 GBE SFP (Mini GBIC) ports
Proposed Device should have Firewall Configurable Internal/DMZ/WAN/VPN Ports
Firewall should have Console Ports (RJ45/DB9)
Firewall must have minimum 2 USB Ports
Should have minimum 2 Hardware Bypass Segments
Firewall should be 64 – bit hardens OS.
Management interface
SSH, HTTP, Console based
System Performance:
Firewall Throughput UDP minimum 20,000 MBPS
(Min) 95,000 New sessions/second
Must have 3000000 Concurrent sessions
IP Sec VPN Throughput 1300 Mbps
Should support WAF and WAF throughput minimum 1100 Mbps
Gateway Anti-Virus throughput must be 2500 Mbps
IPS throughput must be 3000 Mbps
UTM throughput must be 1500 Mbps
Authenticated Users/nodes-unlimited
Stateful Inspection Firewall:
User Level identification filtering
Filtering of various top application level protocols (http, https, ftp, pop3...
Control over social Networking and IM & Communication App (Skype, Facbook, Google Talk.....)
Access Control Criteria (ACC) -User -Identity, Source &
Integrated Database of Various applications handled by the UT
Anonymous proxies e.g. Ultra surf
“Phone home” activities
Key logger
Gateway Anti-Virus & Anti Spyware
Virus, Worm, Trojan Detection & Removal
Spyware, Malware, Phishing protection
Automatic virus signature database update
Scans HTTP, HTTPS, FTP, SMTP, POP3, IMAP, IM,
Anti SPAM
Filter based on message header, size, sender, recipient
IP address Black list/White list
Subject line tagging
IP address Black list/White list
Redirect Spam mails to dedicated email address
IP Reputation-based Spam filtering

Intrusion Prevention System:
Signatures: Default (4500+), Custom
IPS Policies: Multiple, Custom
User-based policy creation
Automatic real-time updates from CR Protect networks
Protocol Anomaly Detection
DDoS attack prevention
Web Filtering:
Inbuilt Web Category Database
URL, keyword, File type block
Categories: Default (82+), Custom
Protocols supported: HTTP, HTTPS
Block Malware, Phishing, Pharming URLs
Schedule-based access control
Custom block messages per category
Block Java Applets, Cookies, ActiveX
CIPA Compliant
Data leakage control via HTTP, HTTPS upload
Application Filtering:
Inbuilt Application Category Database
Application Categories: e.g. Gaming, IM, P2P,
Proxy
P2P applications e.g. Skype
Virtual Private Network:
IPsec, L2TP, PPTP
Encryption - 3DES, DES, AES, Two fish, Blowfish,
Serpent
Authentication - Preshared key, Digital certificates
IPsec NAT Traversal
Dead peer detection and PFS support
External Certificate Authority support
Export Road Warrior connection configuration
Domain name support for tunnel end points
VPN connection redundancy
Overlapping Network support
Hub & Spoke VPN support

SSL VPN:
TCP & UDP Tunneling
Authentication - Active Directory, LDAP, RADIUS,
Multi-layered Client Authentication - Certificate,
Username/Password
User & Group policy enforcement
Network access - Split and Full tunneling
Browser-based (Portal) Access - Clientless access
Lightweight SSLVPN Tunneling Client
Granular access control to all the Enterprise Network

Resources
Administrative controls - Session timeout, Dead Peer Detection, Portal customization
TCP- based Application Access - HTTP, HTTPS, RDP, TELNET, SSH

Instant Messaging (IM) Management:
Yahoo and Windows Live Messenger
Virus Scanning for IM traffic
Allow/Block Login
Allow/Block File Transfer
Allow/Block Webcam
Allow/Block one-to-one/group chat
Content-based blocking
IM activities Log
Archive files transferred

IPsec VPN Client:
Inter-operability with major IPsec VPN Gateways
Supported platforms: Windows 2000, WinXP 32/64-bit, Windows 2003 32-bit, Windows 2008 32/64-bit, Windows Vista 32/64-bit, Windows 7 RC1 32/64-bit
Import Connection configuration
VPN Tunnels
Customize individual user scanning
Scan and deliver by file size
Destination Zone, MAC and IP address, Service
UTM policies - IPS, Web Filtering, Application Filtering, Anti-Virus, Anti-Spam and Bandwidth Management
Layer 7 (Application) Control & Visibility
Policy based Source & Destination NAT
H.323, SIP NAT Traversal
802.1q VLAN Support
DoS & DDoSAttack prevention
MAC & IP-MAC filtering and Spoof prevention

Networking
Failover - Automated Failover/Failback, Multi-WAN failover, 3GModem failover
WRR based Load balancing, MAC Binding
Various NAT modes
Custom Routing Policies
Policy routing based on Application and User
IP Address Assignment (Static, PPPoE, L2TP, PPTP & DDNS Client, Proxy ARP, DHCP server, DHCP relay)
Support for HTTP Proxy

Dynamic Routing
Support for IPv6
The following Certification is Mandatory
ICSA Firewall
VPNC- Basic and AES interoperability
IPv6 Ready Gold Logo
GSMC should have ISO – 20000 certificate

Reporting
Inbuilt reporting or external (if external quoted separately)

APPLICATION FORM

To be Filled Completely and Signed

1. Contact details of the head office of proposing firm:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)

2. Name and full address of local office of proposing firm nearest to Bathinda:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)

3. Name and full address of manufacturer:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)

4. Name of advising bank and account number:

5. SWIFT Code:

6. PAN and TAN Number:

7. Manufacturing type (tick mark):
 - i. Imported
 - ii. Indigenous
 - iii. Both

8. Country(s) of origin:

9. Any other relevant information:

DECLARATION BY SUPPLIER

“It is certified that I/we have carefully read and understood the entire general, special as well as specific terms and conditions of these documents and agree to abide by all of these. All the information and commitments provided with the quotations are truthful and binding on the firm.”

Place:

Signature of Authorized Person

Date:

Designation

Seal

FORMAT FOR THE SUBMISSION OF RATES – PRICE BID

(To be submitted on the letterhead of the company/firm and put it in Envelope 2)

Item Price:

Name of the Item _____

Name of the Manufacturer _____

Make of the Item _____

Sl. No.	Particulars	Rate/Unit
1	Cost of the item (FOR Central University of Punjab, Bathinda).	
2	(___% of VAT/TAXES)	
3	Total (1+2)	

Note: Taxes and other levies, if any are to be clearly specified in the bid.

This is certified that the rates quoted above are not more than the rates charged from any other Institution/Department/Organization.

Place:**Signature of Authorized Person****Date:****Designation****Seal**

CHECK LIST

(TO BE FILLED COMPLETELY & PLACED IN ENVELOPE-I)

Sr. No.	Points to be verified	Yes/ No
1	Technical specification compliance sheet	
2	EMD	
3	Tender Fee	
4	Photocopy of PAN and TAN card	
5	User list and certificates issued by clients	
6	Copy of income tax return certificate	
7	All other certificates as asked for in tender document a) Spare part availability certificate b) Certificate indicating country of manufacture c) Sales tax registration certificate d) Copy of "Eligibility Criteria and General Terms and Conditions" signed and stamped on each page	

Place:**Signature of Authorized Person****Date:****Designation****Seal**