



INDIAN INSTITUTE OF MANAGEMENT KOZHIKODE
IIM KOZHIKODE CAMPUS P.O., KOZHIKODE-673570, KERALA
PHONE: (0495) 2803001-2803009; FAX: (0495) 2803010-11
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TENDER

FOR

**SUPPLY, INSTALLATION AND TESTING OF SERVER AND
VIDEOCONFERENCING SYSTEM (RE-TENDER)**

Tender No. IIMK/1-63/T-5/2011

Issued to:

Cost of Tender Form : Rs.500/- (Rupees five hundred only)
[Tender Form can be obtained from IIMK
Purchase Section on payment of ₹500/- by
way of DD in favour of Indian Institute of
Management Kozhikode payable at Kozhikode /
Calicut. Alternatively, tenderers can download
the Tender Form from IIMK website
www.iimk.ac.in, in which case the Tender should
accompany DD of ₹500/- towards the cost of
the Tender Form]

Last date of issue of Tender Form : 22.02.2012 (till 3:00 pm)
Last date for submission of Tender : 23.02.2012 (till 3:00 pm)
Date of opening of Tender : 23.02.2012
Time for opening of Tender : 23.02.2012, 4:00 pm

NOTICE INVITING TENDER

1. Sealed item tenders are invited by the Director, Indian Institute of Management, Kozhikode, Kerala, for supply, installation and testing of **Server (1 No.) and Videoconferencing System (1 No.)**.
2. Tenderers should quote their rates both in figures and in words. Separate prices should be given for each item and the total of each page along with carried figures of the previous page shall be given in ink and signed by the tenderer. No blank space shall be left.
3. Tenders not properly filled, mutilated, with incorrect calculations or generally not complying with the conditions are liable to be rejected.
4. Each page of the tender should be serially numbered. The covering letter should clearly specify the total number of pages in the tender submitted by the tenderer.
5. **Authorized signatory:**
If the tender is made by or on behalf of a company incorporated under the Companies Act of 1956, it shall be signed by the Managing Director or one of the Directors duly authorized on that behalf. If it is made by a partnership firm, it shall be signed with co-partnership name by a member of the firm who shall sign copy of Power of Attorney with the tender authorizing him to sign on behalf of the partners. A certified copy of the registered partnership deed shall also be submitted along with the tender.
6. **Acceptance period:**
The tender shall remain valid for acceptance for a period of 90 days from the date of opening of tender.
7. **Rate quoted by the supplier:**
Complete rate for the supply, installation and testing should be quoted in the prescribed format (Page No. 14). Rates quoted in any other place/form shall not be considered. The quote can be for the complete items as per our specifications given in Annexures I, and II. Adherence to our specifications shall be a pre-condition. Tenderers are requested to furnish a statement [Annexure – I(A) and II(A)] showing the specifications of the products quoted by them.

Rate quoted by the supplier must include the cost of transportation of the equipment to the Institute, installation, commissioning and testing charges of the equipment; all taxes such as Sales Tax, Entry Tax, VAT etc. and no claim after submitting the quotation shall be entertained. Any other charges over the quoted rate shall clearly be indicated.

The Institute will not provide Form C & D (Sales Tax) or any other certificates to the supplier.
8. The unit price for Server and Videoconferencing System shall be quoted separately.
9. The vendor should be able to commission and install the equipment at the designated locations within the IIMK campus.
10. No alternations in tender forms shall be made by the tenderer and if any such alteration is made, the tender is liable to be rejected.

11. The acceptance of tender will rest with the Institute, which does not bind itself to accept the lowest tender and reserve to itself the authority to reject any or all of the tenders received, without assigning any reasons.
12. **Acknowledgement of the Purchase Order:**
The supplier shall give an acknowledgement of the Purchase Order within 10 days of the date of the Purchase Order. In case, the supplier fails to acknowledge the Purchase Order within the stipulated time, the Institute is at liberty to cancel the Purchase Order.
13. **Earnest Money Deposit and Security Deposit:**
 - a) EMD @ 2.5% of the amount specified in the respective tender form is to be submitted along with the tender document in the form of Demand Draft drawn in favour of the Indian Institute of Management Kozhikode, payable at Calicut. Tenders received without EMD or EMD in any other form than as stated above is liable to be rejected. The EMD will be refunded to the unsuccessful tenderer within one month of the acceptance of the tender.
 - b) Within ten days of the award of Purchase Order, the supplier shall furnish a bank guarantee for a sum equivalent to 5% of the order value as Security Deposit (Performance Guarantee) valid until the date of installation and testing of the equipment. EMD already deposited along with tender shall be returned on furnishing the performance guarantee (Security Deposit).

The Security Deposit/EMD shall not bear any interest.
14. **Payments:**
Normal payment terms acceptable to the Institute shall be 95% payment within 30 days of satisfactory installation and testing of the equipment and the rest 5% after expiry of warranty period.
15. **Delivery Schedule and Penalty for Delay:**
Delivery schedule shall clearly be indicated in the quotation submitted by the supplier. Penalty at the rate of 0.5% or part thereof of the order value per week, subject to a maximum of 2.5% will be imposed for delayed delivery and installation.
16. **Warranty:**
The equipment quoted shall carry **three years comprehensive on-site manufacturer warranty**. Deviation in warranty terms, if any, shall clearly be mentioned in the offer.

During the warranty period, the vendor shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of all the equipment, accessories etc.

During the warranty period, the vendor shall be responsible for attending to all the reported problems, and shall replace the defective parts at no extra cost.
17. The vendor should have a direct support office at Calicut so as to be able to provide immediate and timely direct after sales support. Technical Manpower details to be attached.
18. **AMC Charges:**
The vendor shall clearly specify the annual maintenance charges for the maintenance support after expiry of the warranty. AMC payment terms acceptable to the Institute shall be payment of AMC charges quarterly.

Special conditions, if any, for entering into AMC after the warranty period shall clearly be mentioned.

19. Tender documents received after the last date and time for receiving tenders will be summarily rejected and no correspondence shall be entertained.
20. The tenders shall be duly signed by the authorized signatory. Unsigned tenders will summarily be rejected and no correspondence shall be entertained.

The tenderer should sign on each page of this tender document as a token of acceptance of the tender conditions and also the Tender Form in Page No. 14. Unsigned tenders shall not be considered.

21. If the vendor is not the OEM for the product, a letter from the OEM authorizing the vendor to quote OEM's product on behalf of the OEM specifically for this tender shall be attached failing which the offer shall be rejected.
22. Tenders submitted by vendors whose annual turnover was less than ₹25 crores during the last three years shall not be considered. Vendors should submit along with the tender certified copies of audited documents showing their turnover for the last three years, failing which the tender shall be rejected.
23. The tenders submitted shall clearly mention the name of the firm/person in whose favour the purchase order is to be placed. Any request made after submitting the tender for changing the name of the firm in whose favour the purchase order is to be placed shall not ordinarily be entertained.
24. Demurrages and penalty, if any, paid by the supplier due to his/her fault shall not be borne by the Institute.
25. **Receipt of Tenders:**
Tenders along with all the copies, EMD etc. in sealed envelope will be received as stated on the cover of this notice.

The tenders along with all necessary documents in sealed envelopes should be sent to the following address, superscribing tender number:

**THE CHIEF ADMINISTRATIVE OFFICER
INDIAN INSTITUTE OF MANAGEMENT KOZHIKODE
IIM KOZHIKODE CAMPUS P.O.
KOZHIKODE – 673 570
KERALA
PH: 0495-2803001-2803009**

IIMK is not liable for non-receipt of the tender forms in time due to change in address on the envelope.

26. **Income Tax:**
Every tenderer shall furnish along with the tender the latest Income Tax Clearance Certificate without which his/her tender is liable to be rejected. The Institute will deduct amount towards Tax Deducted at Source (TDS) as per the latest Income Tax Rules from all payments made to the supplier/contractor.
27. In case of any dispute, the decision of the Director of the Institute shall be final and binding on both the parties.

28. The vendor should have a few installations of the quoted equipment in Calicut / Kerala.
29. Proof of executing at least three similar orders during last two years to be provided.
30. The vendor should attach a list of his/her customers with supporting documents, failing which the tender is liable to be rejected.
31. The vendor should have his/her own capability for repair and maintenance of the equipment quoted locally.
32. The vendor should be able to demonstrate the capability of the equipment quoted at his/her own cost, if required.
33. The proposal should be duly supported by the following documents:
 - i. Covering letter addressed to the Chief Administrative Officer, giving brief company profile and brief technical description of the product quoted.
 - ii. Name and address of the manufacturer
 - iii. Letter of authorization and support for three years, from the principal company, if the product quoted is a third party product.
 - iv. Customer list
 - v. Statement of compliance with specification as specified by us
 - vi. List of support locations
34. Contact details of the person for all post sales/installation maintenance support:
Name & Designation:
Phone No:
Fax No:
Mobile:
E-mail:
35. IIMK reserves the right to alter and revise the technical specifications or the required quantity of the items at any point of time. In case of such alteration, the tenderers shall be duly notified.
36. Tenderers are to abide by all the Terms and Conditions detailed above. In case these terms and conditions are not acceptable to any tenderer, he/she should clearly specify the deviations in his/her tender. IIMK reserves the right to accept or to reject them.

Signature of the Tenderer with Official Seal

If the tenderer suggests any other alternative (option), this shall be separately mentioned and deviation from our specifications indicated clearly.

Technical Specifications of the Server

Chassis	:	2U Rack Mountable
Processor	:	SPARC T3 16-core 1.65 GHz processor, 128 threads max, Sixteen floating-point units, Dual multithreaded 10 GB PCI Express integrated onto chip, On-board cryptography with new Kasumi Bulk algorithm, should support 12 embedded security industry-standard ciphers: DES, 3DES, AES, RC4, SHA1, SHA256, SHA384, SHA512, MD5, RSA to 2048 key, EX, CRC32
Cache	:	Minimum 6MB integrated Level -2 Cache
Memory	:	64 GB DDR3 Memory expandable to 128GB RAM, should have at least 16 DIMM slots. The server should support 8GB RAM Module
Graphics	:	1* DB-15 High definition video port
Storage Controller	:	The storage controller should support up to eight or sixteen 2.5" SAS-2/SATA-2 front accessible hot pluggable disk drive bays, depending on selected backplane. All bays should support 300 GB or 600 GB SAS-2 hard disk drives. The server should support 32 GB SATA-2 Solid state drives. Should support RAID 0 and RAID 1
Hard Disk	:	2 x 300GB SAS HDD. The back plane should support at least 8 drives
Optical Drive	:	SATA DVD writer
Host Bus Adapter	:	2 x 8 GBFiber Channel PCIe HBA
Peripherals	:	Keyboard, Optical mouse and 19" TFT LCD Monitor
Slots	:	The server should have minimum six PCI Express 2.0 expansion slots
Ports	:	The server should have at least 4 Gigabit Ethernet ports, 2 x 10 GB PCI Express XAUI connections, Minimum 4 USB 2.0 or more
Power supply	:	2 x hot-swappable 1200 W power supplies with (N+1) redundancy
Management Ports:	:	One dedicated 10/100Base-T RJ-45 Ethernet port for remote management and one dedicated RJ-45 port for serial management
Mounting	:	Rail Kit for rack mounting with cable management arm
Operating System	:	Latest version of Solaris pre-installed with media and License
Warranty	:	3 Year comprehensive onsite warranty

Technical Specifications of Quoted Server

Chassis :

Processor :

Cache :

Memory :

Graphics :

Storage Controller :

Hard Disk :

Optical Drive :

Host Bus Adapter :

Peripherals :

Slots :

Ports :

Power supply :

Management Ports :

Mounting :

Operating System :

Warranty :

Technical Specifications of Videoconferencing System

- A complete user friendly group videoconferencing solution
- Should be based on ITU-H.320/H.323 video conferencing standard ensuring interoperability with other standards based video conferencing systems
- The equipment should support following standards
- ITU-T H.320 ISDN, leased networks
- ITU-T H.323 IP networks
- Video H.261, H.263+, H.264, H.239, H.241
- Audio G.711, G.728, G.722,G.722.1, MPEG4 AAC-LD
- Data T.120
- LDAP H.350
- MCU compatibility H.243, H.231
- The equipment should support following Transmission Speeds
- Bit rate 64 Kbps to 768 Kbps over ISDN
- 64 Kbps to 10 Mbps over IP
- Simultaneous video motion coding and PC presentations from the XGA input
- The equipment should support following Video specifications
- Frame rates
 - 30 frames per second @ 168 kbps onwards
- Resolution
 - FCIF 352 x 288 pixels
 - QCIF 176 x 144 pixels
 - 4CIF 704 x 576 pixels for still images (H.261 Annex D)
 - 4SIF 704 x 480 pixels
 - SIF 352 x 240 pixels
 - 4SIF 704 x 480 pixels for still images (H.261 Annex D)
 - Up to 1024 x 768 pixels over XGA in H.263
- Remote camera control
 - H.281 (H.320 - H.323)
- Video inputs
 - Camera: Integrated Main camera
 - 2 x Composite (RCA) for connecting VCR etc
 - 2 x S-video (Mini-DIN) for connecting Document Camera etc.
 - XGA In DB 15 Hi/Den
- Video outputs
 - 2 x Composite (RCA)
 - 2 x S-video (Mini-DIN)
 - XGA Out DB 15 Hi/Den
 - HDMI (video audio) x 1

- The equipment should support following Audio specifications
- Audio
 - Echo cancellation Full-duplex
 - Adaptive post filtering
 - Automatic Gain Control (AGC)
 - Automatic Noise Suppression
- Audio Tracking
 - Tracking Enhanced Voice Tracking
 - Coverage: 3-6 meters
 - Location $\pm 60^\circ$ horizontal, $\pm 25^\circ$ vertical
- Audio inputs
 - Connection Level Connector
 - 2 x Pod Mic 360°
 - RJ-11 6/6
 - Aux. Mic Stereo jack
 - Audio In Line RCA
 - VCR Line RCA (L/R)
- Audio outputs
 - Connection Level Connector
 - Monitor 1 Line 2 RCA (L/R)
 - VCR Line 2 RCA (L/R)
- Digital Microphone Pod
 - Range 360°
 - Response 50 ÷ 14000 Hz
- Built-in Camera should support following:
 - Remote controlled, Auto Focus CCD camera with power zoom
 - Resolution: 752 x 582 pixels
 - Presets: 122 presets
 - Horizontal angle of view: 6.4 to 65.5 degrees
 - Zoom:10.5x
 - Automatic White Balance
 - Voice Tracking or Track to Pre-sets
 - H.239 Video and Presentation Data
- The equipment should support following Monitors features
 - Format: PAL, NTSC, HD
 - Single, Dual monitor HD
 - PIP function
 - Aspect Ratio: 16:9
 - Dual Monitor Emulation
 - The equipment should support following Network features
 - Network Interfaces:
 - 2-Port 10/100BASE-T full-duplex with integrated switch Ethernet 2 RJ-45

- PRI Ports: 1 PRI Port for ISDN PRI
 - BRI Ports: 4 BRI Ports for ISDN BRI
- Should support following Network Protocols
 - TELNET, HTTP, SNMP, DNS, DHCP, RTP/RTCP, TCP/UDP, ARP
- Should support following Network Features
 - Differentiated Service (DIFFSERV), IP Precedence, IP Type of Service (ToS), Auto Gatekeeper Discovery, Clever Packets Management (AeCPM)/Intelligent Packet Loss
- Auxiliary Interfaces
- Data RS232 Mini-DIN 8-pin with DB9 adapter
- Diagnostics RS232 Mini-DIN 8-pin
- VISCA RS232 Mini-DIN 8-pin to supports Canon or Sony, aux PTZ camera
- PC card 1 PCMCIA, type II for Wi-Fi card
- The equipment should support following Multipoint Function features:
 - 1+4 Party MCU over IP & ISDN
 - Integrated MCU H.320, H.323 and SIP mixed mode
 - Chair control H.243
 - Continuous Presence
 - H.239 Dual-video from any site
 - Dial-In/Dial-Out capabilities
 - Closed Captioning/Text Chat
 - T.140 text chat, available from Web
- The equipment should support following Encryption standards:
 - AES encryption standard H.233, H.234, H.235
- The equipment should support following Web Management features:
 - All the configuration, call, diagnostics and management functions should be accessible using Microsoft Internet Explorer, Netscape Navigator and other standard web browsers
 - Remote Diagnostics and Management
 - Local Web Browser SNMP
 - H.239 Video and Presentation Data
- Warranty
 - Three years comprehensive onsite warranty
- **Additional Camera:**
 - Optionally also quote separately for additional camera with same specifications as that of the main camera

Technical Specifications of Quoted Videoconferencing System

TENDER FORM

Sl. No.	Item	Rate (All inclusive*)	Qty.	Total Amount
A	Server (As per specifications given in Annexure – I of the Tender Document)	₹ (in figures) Rupees (in words)	1 Nos.	₹ (in figures) Rupees (in words)
B	Videoconferencing System (As per specifications given in Annexure – II of the Tender Document)	₹ (in figures) Rupees (in words)	1 No.	₹ (in figures) Rupees (in words)

*Rate quoted shall be inclusive of all charges for supply, installation and testing.

Date:

Signature of the Tenderer with Official Seal