

Form PPIM-1B

[Para 1.17(ii)]



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008, ORISSA**

(Form to be used for purchases above Rs.1.0 lakh; to be sent to at least six firms)

Advertised/Limited Tender Enquiry**Department: Computer centre****Enquiry No: NITR/ CC/ HOD/ 2008/ 17 Date: 08 Jan 2008****Important Dates**

To

Event	Date	Time
Pre-bid Conference		
Last Date of submission of quotation	29/01/2008	3.00PM
Quotation Opening date	29/01/2008	3.10PM

Dear Sir,

We intend to purchase the commodities specified below and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly send your offer with prices and complete terms within the time mentioned above.

Please send your quotation to:

Head, Department of
Computer Centre
Attn.: Prof S K Patra
NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008, ORISSA

Yours sincerely,

Sarat Kumar Patra
In-charge, Campus Networking

Encl :

1. Schedule of requirement, specifications, dates etc.
2. Bid document containing detail terms and conditions.

1. Schedule of requirements

Sl. No.	Description of Goods/Service	Quantity
1	Blade Server and accessories as per details in annexure	

2. Specifications and allied Technical Details

Pl refer to annexure-A

3. Format of Quotation (tick appropriate box)

It is a single bid; please give all technical specifications and price bid in one envelope.

OR

It is a two-part bid with separate techno-commercial and price bids. Please see item 1.12 of instructions for method of bidding.

4. The bid envelope should be super-scribed with

Bid for Blade server and accessories vide Enquiry No. NITR/ CC/ HOD/ 2008/ 17 Date: 08 Jan 2008

5. Quotations should be valid for a period of 60 days from the closing date of the bid.**6. Some important dates:**

- i. Last date for receipt of quotation: Date: 29 Jan 2008 Time: 3.00PM
- ii. Opening of techno-commercial bid:
- iii. Opening of Financial bid: Date: 29 Jan 2008 Time: 3.10 PM

7. Warranty of 3 years for the hardware supplied (Exceptions as per Annexure).

8(a) Excise Duty: The Institute is exempt from Excise Duty. Please state applicable excise duty as a separate item.

8(b) VAT/CST: The Institute is not authorized to give C or D form. CST or VAT should be charge according to applicable rates.

8(c) Entry Tax: The State of Orissa charges entry tax on all goods entering the State. Please include it in your quotation as a separate

item. Entry Tax will be reimbursed on production of proof of payment.

8(d) Institute can provide custom duty exemption certificate if the equipment can be imported. This option can be considered if there is a price advantage.

9. Bid Security (See Item 2.8 of instructions): **NIL**

10. Performance Security (See Item 2.10 of instructions): **NIL**

11. Please go through the enclosed "bid document" carefully for other bidding instructions.

12(a) Please send your quotations by Registered/Speed Post or Courier Service to:

Head, Computer Centre Attention: Prof S K Patra National Institute of Technology, Rourkela – 769 008
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OR (b) drop the quotation in the Tender Box kept in the office of the Department during the normal working hours of the Institute. Please do not hand over the quotation to any person by hand.

13. For technical details, you may contact

Prof. Sarat Kumar Patra Department of Electronics and Communication Eng (HOD Computer Centre) National Institute of Technology, Rourkela – 769 008 Phone: 0661 – 2462457; 94372 21578 (M) Fax: 0661 – 2462999
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Form PPIM-1B (Contd.)

[Para 1.17(ii)]

**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008, ORISSA****BID DOCUMENT****1. Instructions to the bidders**

- 1.1 Sealed bids are invited on behalf of the Director, National Institute of Technology (NIT), Rourkela – 769 008, Orissa, from the intending bidders for supply of the goods/stores/equipments for the Institute as detailed in the enquiry letter.
- 1.2 The bidders should quote their offer/rates in clear terms without ambiguity.
- 1.3 The rates should be quoted both in figures and words and legibly written without any over-writings. In case of any correction, the same must be attested by the bidder with full signature. However, no over-writing is permissible. Manufacturer's price-list, where applicable, should be submitted along with the bid.
- 1.4 In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
- 1.5 The last date for receipt of the bid is marked in the enquiry. In case the above date is declared a holiday for NIT, Rourkela, and the bids will be received up to the appointed time on the next working day.
- 1.6 The financial bids will be evaluated based on the recurring charges for 1 year and fixed charge which includes equipment cost and installation charges. The order for internet connectivity will be for a period of one year. Bidders are advised to take into account the market scenario and cost variation for the service in international market.
- 1.7 The bids may be sent by registered or speed post or by courier service, so as to reach the concerned department before the last date of receipt, or alternatively, be dropped in the tender box kept at the Department office. The name of the Department is mentioned in the Enquiry.
- 1.8 The bidder may modify his bids before the last date appointed for receipt of the bids by sending an amendment to the bid. No bid shall be modified after the deadline for receipt of the bids.

- 1.9 If a prospective bidder requires any clarification in regard to the bidding documents, he may make a request the concerned officer or faculty member at least 15 days before the deadline for receipt of bids.
- 1.10 Bids received after the deadline of receipt indicated in para 1.5 above, shall not be taken in to consideration.
- 1.11 Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
- 1.12 (In respect of high value plant, machinery etc. of a complex and technical nature). The bids may be submitted in two parts, viz., technical bid and financial bid. The above two bids may be sealed by the bidder in separate cover duly super-scribed and both these sealed covers are to be put in a bigger cover which should also be sealed any duly super-scribed. The bidding format is specified in the quotation enquiry.
- 1.13 The cover containing the bid must be sealed and super-scribed "Bid for Internet Service vide No. NITR/ 2008/ CC/ dated 09 Jan 2008" as given under item 4 of the enquiry.
- 1.14 The bids shall be opened in the Board room of the institute at the date and time given on the top of the document. The bidders are advised to send their authorized representatives to attend the bid opening, if they so desire. In the event of the above bid opening date being declared holiday for the NIT, Rourkela, bids will be opened at the appointed time and place on the next working day.
- 1.15 The bidder has to sign in full at all pages of the bidding document.
- 1.16 The bidders should enclose documents showing past business, volume of transaction during the past years, references from major public or private sector clients, academic institutions like IITs, NITs and other institutes of repute.

2. Conditions of the bid

- 2.1 The rates quoted should preferably be net, inclusive of all taxes and duties, packing, forwarding, freight, Insurance and all other incidental charges. In case these charges are quoted extra in addition to the quoted rates, the amount thereof or advolerum rate must be specified. Packing, forwarding, freight, entry tax etc., when quotes separately are reimbursable at actuals. If external agencies are employed, their receipts must be enclosed with the invoice.

- 2.2 Duties and Taxes are to be quoted separately. Advolenum rates thereof should be clearly indicated with reference to the relevant Acts and Rules. Entry Tax, if any paid, shall be reimbursed on production of proof. Entry Tax should be shown as a separate component.

It may be noted that the Institute is exempt from paying Excise Duty vide Government Notification No. 10/97 dated 01.03.1997 [Registration No.: TU/V/RG-CD(227)/2001, dated 10.12.2001]. The Institute is not authorized to issue C or D forms. CST and VAT may be charged at applicable rates.

- 2.3 The goods are required to be delivered at the indenting Department of NIT, Rourkela, and must be dispatched within 30 days from the date of placement of the supply of order under the risk and arrangement of the bidder and offers with delivery beyond the above period shall be treated as unresponsive. In case the delivery time is higher, the same must be mentioned clearly in the quotation.
- 2.4 The bid should remain valid for a period of 60 days from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation.
- 2.5 Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
- 2.6 The goods offered should strictly conform to the specification and technical details mentioned in para 4 below.
- 2.7 The Institute may like to conduct pre-dispatch inspection of goods, where applicable.
- 2.8 Period of guarantee/warranty, where applicable, should be specified in the bid.
- 2.9 The successful bidder has to furnish "Performance Security" for an amount specified in the enquiry, in the form of Account Payee Demand Draft, Fixed Deposit Receipts and/or unconditional Bank guarantee en-cashable on demand from the Director, NIT, Rourkela, from a Commercial Bank with validity period of sixty days beyond the date of completion of all contractual obligations of supplier including guarantee/warranty obligations. The Performance Security is to be furnished in favour of the Director, National Institute of Technology, Rourkela, within ten days of intimation, failing which his bid security will be forfeited.

Alternatively, fixed percentage of the cost of the stores as stated in the enquiry may be retained by the Institute in its

Maintenance Fund towards performance security, which will be released six months after the completion of warranty period.

- 2.10 If the successful bidder, on receipt of the supply order, fails to execute the order within the stipulated period, in full or part, it will be open to the Director, NIT, Rourkela to recover liquidated damage from the firm at the rate of 1 percent of the value of undelivered goods per month or part thereof, subject to a maximum of 5 percent of the value of undelivered goods. Alternatively, it will also be opened to the Director, to arrange procurement of the required goods from any other source at the risk and expenses of the bidder.
- 2.11 The successful bidder may be required to execute a contract, where applicable.
- 2.12 The bidder has to furnish up to date VAT and Income Tax Clearance Certificate along with the bid.
- 2.13 Payment (*100 percent*) will be made by Account Payee Cheque/ Bank Draft, within 30 days from the date of receipt of the goods in good condition or receipt of the bill, commissioning of the equipment, where applicable, whichever is later/latest. If the payment is not made by the Institute within this stipulated date, the vendor may claim compensation at rates fixed by the Institute.
- 2.14 In the event of any dispute arising out of the bid or from the resultant contract, the decision of the Director, NIT, Rourkela shall be final.
- 2.15 The bid document/resultant contract will be interpreted under Indian Laws.

Annexure-A**Detail specification for Blade server**

BLADESERVERS : to be used for Consolidation of server infrastructure with option for Clustering on a multiplatform heterogeneous environment with mix of CPU's (Xeon & RISC/ EPIC) and Operating Systems (Enterprise Linux, Windows2k3, 64Bit-Legacy Unix)

CENTRAL BLADESERVER INFRASTRUCTURE with 8 Xeon and 4 RISC/EPIC blades	
Parameter	Requirement
Chassis	7u-10 u chassis enclosures including complete power infrastructure to house at-least 12 blade servers in standard 42 U rack Intel Xeon blades and RISC/ EPIC based server blades
Server Blades for Chasis	All blade servers offered should be full height to ensure blade redundancy with Quad Core Xeon@2GHz/ Dual core Xeon@3GHz and 64 Bit RISC/EPIC with 2 processors per blade. The chassis should be populated with at least 8 Xeon server blades and 2 RISC/EPIC Blades. The cost of each blade should be provided so that customer can make changes to the configuration and recalculate prices.
Heterogeneous environment	Xeon and RISC/EPIC CPU blades must be in same chassis with scope to run Win2003 Server, Red Hat Linux, Suse Linux, 64 Bit Unix and VMWare
RISC/EPIC Blades	64 Bit RISC/EPIC blades supported in the same blade chassis for heterogeneous setup
Redundant Midplane	Redundant communication path between blades and modules ensuring no single point of failure
Redundant Internal Power	N+1 power redundancy to be supported
Hot Swap Redundant cooling	Hot Swap Cooling Unit for smooth operation with minimum moving parts for minimum downtime
Redundant KVM &Management	Management modules for cable clutter free, easy to manage,(even from remote location) yet reliable setup
CD/DVD drive	One CD/DVD drive in chassis which can be shared by the blades

Enhanced Predictive Failure Analysis	Predictive Failure Analysis on blowers processors, memory, HDD to anticipate/generate pre-failure alerts
Integrated gigabit Ethernet switch	Integrated gigabit switch to connect to all blades and at least 2 external ports
Light Path Diagnostics	Light path diagnostics with an externally visible LED panel and individual lights through the system on items like CPU, memory DIMMS, power supplies, PCI slots, etc
Processor	2 x Xeon Quadcore 1.8 Ghz/ 2X Xeon Dual core @ 3GHz on Xeon Blades, 2 Dual Core RISC/EPIC CPU @ 1.9 Ghz or more
Front Side Bus	Current architecture to ensure compatibility
Memory Capacity	4GB main memory per blade
Memory Protection	Chipkill memory
Gigabit Ethernet	Dual Gigabit ethernet controller
Service Processor	Service Processor for monitoring the processor, voltage regulator module, temperature, memory etc
Management Software	Managing the entire chassis and software deployment for better control and ease of administration
Hard Disks / Integrated RAID 1	2 x 73GB system disks with mirroring using integrated RAID 1 on internal disks on each server.
Blades are Certified for use in the following environments	Suse Linux, Red Hat Enterprise Linux Microsoft Windows, AIX/ HP UX/ Solaris operating systems for UNIX
Existing SAN Storage to connect with the blades quoted here in (The existing SAN switch is IBM, storage is FastT600). The supplier will be responsible for integrating the storage with new servers. SAN switches available are IBM	Switched Fiber channel interface along with the blade servers to cater to this data center rack
Rack details	Server to be installed on available 19" rack
Additional storage (3-4 TB)	Dual Active Controllers with RAID and 512MB/ 1 GB cache, iSCSI and SATA drives with built in manageability to interoperate with Existing storage serving as a backup solution with 3-4 terabytes capacity 3-4 TB storage to be attached to existing IBM x345 and IBM x365 servers along with

	above blades to serve in a heterogeneous environment both as a near-line storage and backup solution supporting a setup of intermix of FC SATA, SAS, SATA and FC AL Drives. The minimum storage to be supported should be 3TB.
Same OEM for all products	Products should be from same manufacturer in order to ensure proper functioning, compatibility, support and seamless integration
Field Proven with Installed base	Offered product line should have installations for more than 1 year in East and 2 years worldwide
With regional OEM support setup	OEM should have support infrastructure in the region
OS to be included	Following OS may be included in proposal to be quoted separately. To be installed as a part of solution. All OS should be academic license. <ol style="list-style-type: none"> 1. Generic Compatible 64bit Unix for RISC/ EPIC blades 2. RHEL for RISC/ EPIC servers 3. RHEL for Xeon servers 4. Windows2003 Enterprise server All OS must be of current version with 3 years upgrade protection.
Delivery Schedule	6weeks maximum
Taxes	Taxes should be mentioned in details. Entry tax will be paid on actual. Companies can quote for FE purchase through LC opening/ High sea sales. NIT is eligible for custom duty exemption.