



NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008, ORISSA

Advertised/Limited Tender Enquiry

Department : Computer Center

Enquiry No: NITR/CC/HOD/2010/L/177

Date:05.03.2010

Important Dates

To

Event	Date	Time
Pre-bid Conference		
Last Date of submission of quotation	23.03.2010	03.30 P.M.
Quotation Opening date	23.03.2010	03.40 P.M.

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 and conditions within the time mentioned above.

Please send your quotation to:

Head, Computer Center Attn.: Prof. D. P. Mohapatra NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA – 769 008, ORISSA

Yours sincerely,

Prof. D. P. Mohapatra
Head, Computer Center

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 detail in <i>annexure-A</i>	

2. Specifications and allied Technical Details

As attached in *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. _____ dated _____

5. Quotations should be valid for a period of 180 days from the closing date of the bid.

6. Some important dates:

- i. Pre-bid Conference: Date: _____ Time: _____
- ii. Last date for receipt of quotation: Date: **23.03.2010** Time: 03.30 P.M.
- iii. Opening of techno-commercial bid: Date: **23.03.2010** Time: 03.40 P.M.
- iv. Opening of Financial bid: Date: **23.03.2010** Time: 04.00 P.M. _____

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

- 8(a) **Excise Duty:** The Institute is exempted from Excise Duty (please refer point no. 2.2. in bid document). 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 2.6 of instructions): **NIL**
10. **Performance Security** (See Item 2.7 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 Center
Attention: Prof. D. P. Mohapatra
National Institute of Technology, Rourkela – 769 008

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. D. P. Mohapatra
Head, Computer Center
National Institute of Technology, Rourkela – 769 008
Phone: 0661 – 2462356, 9437648628 (M)
Fax: 0661 – 2472926
E-mail: durga@nitrkl.ac.in



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA 769008 (ORISSA)**

Proposals (technical and financial) are invited in the shape of two bid system i.e. (Technical & Commercial) from reputed Indian firms for supply of Blade Servers, Blade Chassis and OS. Sealed proposal should reach the undersigned by the date mentioned in point no. 6 of tender enquiry. The representatives of the firms should be present during the technical presentation.

Kindly frame your proposal in two parts: technical bid and financial bid. Both should contain bid for *Blade Server and accessories*. Both proposals should be clearly marked and individually sealed. The two sealed proposals should be sealed in a larger envelope. The outer envelope should be superscribed with “*Tender for Blade Server & accessories*” and sent to “Head, Computer Center, NIT, Rourkela, Orissa, Pin- 769 008”. The quotation can be sent to the Institute by speed post or hand delivered before the time of tender opening. Important venues and dates are mentioned at point no. 6 of tender enquiry.

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 blade server and accessories for the Institute as detailed in the enquiry letter.

1.2 **Eligibility of Bidders:**

- a.) The bidder should be Original Equipment Manufacturer (OEM) or authorized distributor and also authorized service provider of given OEM for providing unhindered support in post installation scenario. Attach documentary proof regarding this.
- b.) The bidder should have been in operation for a period of at least 5 years as on last date of bid submission, as evidenced by the “Certificate of Incorporation and Certificate of Commencement issued by the Registrar of Companies”.
- c.) Bidders must have at least 5 years of experience in supply, installation, commissioning and maintenance of respective systems, out of which at least 3 installations in Eastern India for Blade servers. The bidder should give details of at least 3 projects of the same scale and nature executed by him.
- d.) The bidder’s annual sales turnover from sale of computer systems and/or total systems solutions should be at least Rs. 200 Crore (Rupees two hundred Crore) in last three years. Attach documentary evidence (audited balance sheet) for confirmation regarding turnover. The turnover refers to a company and not the composite turnover of its subsidiaries / sister concerns etc.
- e.) The bidder should be an ISO 9001:2000 certified company.

- f.) The bidder must have infrastructure support in the form of direct service centers at Kolkata or nearest to Rourkela. The bidders must enclose details of their infrastructure with reference to locations and technical manpower, availability of inventory spares etc.
- 1.3 Firms are advised to study all technical and commercial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the Tender Document in every respect will be at the firm's risk and may result in the rejection of the bid.
- 1.4 The bidders should quote their offer/rates in clear terms without ambiguity.
- 1.5 All damaged or unapproved goods shall be returned at the firm's risk and cost and the incidental expenditure thereupon shall be recovered from the concerned party.
- 1.6 Printed conditions of the firm sent along with the quotation, if any, shall not be binding on us.
- 1.7 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.
- Any discrepancy between quoted prices in figures and that in words, if noted, will be sorted out in the following manner: -
- (i) If there is a discrepancy between the unit price and the total price the unit price shall prevail and the total price will be corrected accordingly.
 - (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
 - (iii) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to above.
- 1.8 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, then the bids will be received up to the appointed time on the next working day.
- 1.9 There may be a pre-bid conference in the office of the Computer Center as per the schedule given at the top of the document. For clarifying issues or clearing doubts, if any, about the specification and other allied technical details regarding blade server and accessories in bid document, firms may contact to the Head, Computer Center. The prospecting bidders may attend this pre-bid conference at the appointed date, time and place.

- 1.10 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 Computer Center.
- 1.11 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.
- 1.12 If a prospective bidder requires any clarification related to the bidding documents, he may make a request to Head, Computer Center at least 15 days before the deadline for receipt of bids.
- 1.13 Bids received after the deadline indicated in point no.6 in tender enquiry, shall not be taken in to consideration.
- 1.14 Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
- 1.15 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.
- 1.16 **Clarification regarding tender document:** A prospective firm requiring any clarification of the tender document may notify the client in writing at the Client's mailing address indicated under pt. no. 13 of advertised/limited tender enquiry document. The client will respond in writing to any request for clarification of the tender document, received not later than 07 working days prior to the last date for the receipt of bids prescribed by the client.
- 1.17 **Amendment of Tender Document:**
- a. At any time prior to the last date for receipt of bids, the client may modify the tender document by an amendment for any reason, whether at its own initiative or in response to a clarification required by a prospective firm.
 - b. The amendment will be notified in writing or by telex or eMail to all prospective firm who have received the tender documents and will be binding on them.
 - c. The client may, at its discretion, extend the last date for the receipt of the bids if required.
- 1.18 The cover containing the bid must be sealed and super-scribed “Bid for ***Tender for Blade Server & accessories***” No. NITR/CC/HOD/2010/L/177 dated 05/03/2010” as given under item 4 of the enquiry.
- 1.19 The bids shall be opened in the Computer Center at the date and time given on the top of the document. The bidders may 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, the bids will be opened at the appointed time and place on the next working day.

- 1.20 The bidder has to sign in full at all pages of the bidding document.
- 1.21 **Tender Opening:** The authorized personnel from the company may be present at the tender technical bid opening with the valid authorization letter. The technically qualified bidders will be informed after which Commercial Bid opening will be done and finalized on same day.
All the services / items to be supplied should be new, of latest technology, good quality and standard and as per specifications mentioned. The selected vendor shall be responsible for total system integration and management wherever applicable.
- 1.22 **Submission of offer**
- (i) The firm shall bear all costs associated with the preparation and submission of its Bid, including the cost of presentation for the purpose of clarification of the bid, if so desired by the client and the client will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.
 - (ii) All prices and other information like discounts etc. having a bearing on the price shall be written both in figures and words in the form. Where there is a difference between amounts quoted in words and figures, the amounts quoted in words shall prevail. The Excise Duty, Sales Tax, VAT, Service Tax etc. as applicable on educational institutions which are not meant for profit should be quoted separately, failing which, the Institute shall have no liability to pay these charges and the liability shall be that of the firm.
 - (iii) The firms should mention their quotation rates supported with Current Professional Tax, Income Tax, VAT, Service Tax, Valid Trade License and Credentials.
 - (iv) In the Commercial Bid, the prices and other information like discounts etc., having bearing on the price shall be written both in Words and Figures without any discrepancy.
 - (v) Each page of the offer shall be numbered and bear the signature of the firm at the bottom. All offers shall be either typewritten or written neatly in indelible ink. Any corrections should be properly authenticated.
 - (vi) The offers should be addressed to the **Head, Computer Center, Attention: Prof. D. P. Mohapatra, Computer Center, NIT, Rourkela-769008** giving indication that it contains the tender under sealed cover.
 - (vii) The first cover shall be superscripted "***Tender for Technical Bid for Blade Server and accessories***". The followings may be looked into while preparing the first cover.
 - a. Bidders must produce valid tender specific authorization certificate from the OEM.
 - b. The list of client (atleast three) with contact details of a person (phone/mob no. with eMail ids) where the bidder had supplied the similar type of materials with successful installation.
 - c. Organizational details are to be enclosed in Covering Letter from Bidder (from all the collaborating consortium partners, as applicable).
 - d. The bidder should enclose a copy of quality certificate from a recognized institution for their manufacturing / assembly / system integration facilities

- anywhere located in India or abroad. This certification should be from any globally recognized Institution
- e. Bidders must enclose details of their infrastructure with reference to locations and technical manpower, availability of inventory spares etc.
 - f. Details of Hardware/software included in offer.
 - g. Details of Technical Specification and other specifications so as to enable technical assessment of the proposal.
 - h. It should include technical compliance of the spec, and OEM available brochures with all technical details.
 - i. Any eligibility Documents.
 - j. Copy of Certificates/P.O. with proof of having executed such similar projects.
 - k. Bidder should submit valid documentary proof like Sales Tax/VAT, Service Tax registration number, the details of income tax registration (PAN), Copy of Income Tax Returns / Clearance Certificate for last three years
 - l. Bidders must submit a declaration on their letter head that they are not black listed in any Govt. body, undertaking, PSU or autonomous bodies. If found the declaration is false their offer will be outrightly rejected and their EMD amount will be forfeited.
 - m. All other relevant documents of this tender (excluding commercial part) should be included in this envelope.
- (viii) The second cover shall be superscripted, "***Tender for Commercial Bid for Blade Server and accessories***". The commercial bid shall be in two parts viz. Part I is giving consolidated rates for broad category of Chassis (pt. no.1), Blade Server (pt. no.2-27), OS (pt. no.28) and Training (pt. no 29) mentioned in *annexure-A* and Part II is giving item wise rates wherever applicable. The commercial bid should essentially contain covering letter from the bidder.
- (ix) Both technical and commercial bid documents should be submitted in an organized and structured manner. No loose brochures/leaflets etc. should be submitted. Both these covers should be sealed separately and put in an outer cover, which is also sealed and addressed to the Prof. D. P. Mohapatra, Computer Center, NIT, Rourkela-769008 giving indication that it contains the Tender for purchase of Blade Server.

1.23 **Evaluation of offer**

- (i) The vendor must fulfill the criteria mentioned under point no. 1.2 of bid document and attach necessary proof required under pt no 1.22 (vii) of bid document in the first cover. Technical bid of vendors fulfilling the pre-qualification conditions will only be evaluated by the duly constituted technical evaluation committee. Bid of vendors not fulfilling the pre-qualification conditions given above will be summarily rejected. Undertaking for subsequent submission of any of the above documents will not be entertained under any circumstances.
- (ii) The selection of the firm shall be made by a process of combined quality and cost using the following procedure.
- (iii) First, the technical bids will be opened by a committee appointed by the Director. The commercial Bids of the technically qualified vendors will only be opened in the presence of their representative. At time of Technical Bid evaluation, the

shortlisted vendors may be called for detailed discussions at a specified date, time and venue, if required. They may be asked to give demonstration of their product/services, if needed. Financial evaluation will be done for those bidders who will successfully qualify in the technical evaluation. The financial bids of the bidders found to be unsuitable in technical evaluation will not be opened for commercial evaluation. Firms whose financial bids are considered unworkable in view of prevailing market condition will be rejected. L1 will be awarded after financial comparative analysis of technically qualified bidders.

- (iv) If the Institute feels necessary, it may ask for revised bids from the shortlisted vendors which should be submitted within two days of intimation to this effect in sealed envelopes on specified date and time. The revised bids shall not be for amounts more than one quoted earlier for an item, unless the specification is of higher configuration than the earlier ones, by the respective vendor. Any vendor quoting higher rates for the same item quoted earlier in their revised Commercial bid shall be disqualified for further consideration.
- (v) The Institute reserves the right to select the vendor on the basis of best possible specifications / features quoted. The decision of the Institute shall be final and representation of any kind shall not be entertained on the above.
- (vi) Any attempt by any vendor to bring influence or pressure of any kind may disqualify the vendor for the present tender and the vendor may be liable to be debarred from bidding.
- (vii) The Institute shall have no obligation to convey reason for rejection of any bid. It shall be open for the Institute to reject even the lowest bidder in the interest of the Institute and no reasons need be given therefore.

1.24 **Technical Evaluation Parameters:** The Vendor shall provide the following information with the bid to provide background information on vendor to Tender Committee. Weightage will be given to the vendors on point basis for the following details.

- a. *The list of clients* (contact details of a person phone/mob no. with eMail ids should be attached) where the bidder had supplied the similar type of materials (as mentioned in schedule of requirements) with successful installation in last three years.
- b. *Quality certificate* from a recognized institution for their manufacturing / assembly / system integration facilities anywhere located in India or abroad
- c. *Delivery period* from the date of placement of the Purchase Order.
- d. *Customer support* strength by the vendor.
- e. Possible quicker *availability* of the vendor when problem occurs
- f. *Mode of handling complains* (whether by fault ticket/ complain given by email or by phone etc)
- g. *Validity period* of cost of equipment.
- h. *Necessary documents* as mentioned in point 1.22 (vii) of the bid document.
- i. *Training agenda* covering details for three days training.
- j. Any other points may deemed fit by the committee at time of technical evaluation of bid documents.

Note: please provide necessary details as available in *Annexure-B*

2. Commercial or Legal 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 advalorem 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. Advalorem 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 exempted 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 Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
- 2.4 The goods offered should strictly conform to the specification and technical details mentioned in *annexure-A*.
- 2.5 The Institute may like to conduct pre-dispatch inspection of goods, where applicable.
- 2.6 The bid is to be accompanied with "Bid Security" (*Earnest Money*) for an amount stated in the pt. no 9 in enquiry, which may be enclosed, in the form of Account Payee Demand Draft, Fixed Deposit Receipts, Banker's Cheque or unconditional Bank Guarantee en-cashable on demand from the Director, NIT, Rourkela from any Commercial Bank with validity period of forty-five days beyond the final bid validity period. The bid security shall be in favour of the Director, NIT, Rourkela. The bid security shall be forfeited, if the bidder withdraws during the bid validity period.

Warranty : 3 years comprehensive warrantee. 2 years as AMC price to be quoted now. Payment of AMC will be paid quarterly after 3 years of warrantee.

- 2.7 **Performance Security**: The successful bidder has to furnish "Performance Security" for an amount specified in the enquiry (pt. no. 10), 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 60 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.

- 2.8 **Penalty for delay in commissioning:** The schedule to be given for testing and acceptance and/or delivery and installation at site is to be strictly adhered to in view of the strict time schedule for implementation of various projects of the Institute as time is essence of the contract.
Any unjustified and unacceptable delay in delivery beyond the delivery schedule as per Purchase order (which shall not be less than 30days from the date of issue of purchase order) **shall render the vendor liable for liquidated damages by way of penalty at the rate of 1.5% (one and one half percent) per week subject to a maximum of TEN weeks** and thereafter the Institute holds the option for cancellation of the order of pending supply and procure the same from any other vendor and invoke the Bank Guarantee of the vendor. The Institute may deduct such sum from any moneys in their hands due or to become due to vendor. The payment or deduction of such sums shall not relieve the vendor from his obligations to complete the process of commissioning or from his other obligations and liabilities under the contract.
- 2.9 The successful bidder may be required to execute a contract, where applicable.
- 2.10 The bidder has to furnish up to date VAT and Income Tax Clearance Certificate along with the bid.
- 2.11 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 subject to conditions mentioned in point no. 2.12 under bid document. If the payment is not made by the Institute within this stipulated date, the vendor may claim compensation at rates fixed by the Institute.

2.12 **Payment Terms**

- (i) The order will be executed in following order:-
- a.) Three days training on **“Chassis & Blade server Administration with Troubleshooting”** will be executed by OEM (not by vendor) at NIT, Rourkela with live demonstration of equipment supplied in first phase of post delivery period. Training agenda must be attached in technical bid.
 - b.) i) Server Installation, ii) Configuration, iii) Testing, iv) Implementation with existing infrastructure (detail mentioned in *annexure-A*), v) Verification will be done in second phase of post delivery period in appropriate order mentioned.
- (ii) The payment will be made in two parts. On delivery and after successful completion of training, server installation, configuration, testing,

implementation with existing infrastructure (detail mentioned in *annexure-A*) and verification of blade server, 100% of **part-I** (Supply and Installation of blade server) payment will be made. No part of the contract price shall become due or payable until the vendor has delivered and installed the items and provided service to the complete satisfaction of the Institute. Payment shall be made subject to recoveries, if any. If required, NIT can open LC for procurement of the blade server against foreign exchange.

- (iii) Payment on **part-II** (AMC for two years) shall be made on quarterly basis depending on the progress of work, after completion of 3 years warranty period and it will be made only after the full satisfaction of performance
- (iv) A pre-receipted bill shall be submitted in duplicate in the name of NIT, Rourkela at the location mentioned in the purchase order. It shall be done soon after the delivery and installation of the items along with a copy of the duly received delivery challan and original excise duty gate pass, if any.
- (v) In case there is a price reduction in service components during the contract period, then the vendor will pass on all such benefits to NIT, Rourkela without claiming by the Institute.
- (vi) Packing list must be put in all packets during time of delivery.

2.13 **Arbitration:** In the event of any question, dispute or difference arising under these conditions 'Instructions' or in connection with this contract the same shall be referred to the arbitration of a sole arbitrator, to be appointed by Director, NIT, Rourkela or his nominee. The award of the arbitrator shall be final and binding on the parties to this contract. The arbitration shall be held at the NIT, Rourkela. The proceedings of arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 or any statutory amendments thereto, and both the parties to this contract shall bear the cost of arbitration equally. If differences persist even after arbitration and there are compelling reasons to go to the court, it will be decided in the court of Rourkela only.

2.14 **Right to award the contract:** The Institute reserves the right to award the contract to any of the bidders irrespective of not being lowest or to change any of the terms taking into consideration of interest of the Institute and in this respect, the decision of the Institute shall be final.

2.15 The bid document/resultant contract will be interpreted under Indian Laws.

2.16 Effect and validity of offer

- (a) The submission of any offer connected with these specifications and documents shall constitute an agreement that the firm shall have no cause of action or claim, against the Institute for rejection of their offer. The Institute reserves the right to reject or accept any offer or offers at its sole discretion and any such action will not be called into question and the firm shall have no claim in that regard against the Institute.
- (b) The offer shall be kept valid for acceptance for a minimum period of 180 days from the date fixed for opening of tenders.
- (c) The rates quoted by the bidder shall be fixed up to the validity period. Any hidden charges which is revealed anytime during the validity period or during

- installation and implementation of requirement mentioned in *annexure-A* incorporation with existing system will completely bourn by the vender.
- (d) The offer shall be deemed to be under consideration immediately after they are opened and until such time the official intimation of award of contract is made by the Institute to the firm. While the offer is under consideration, if necessary, the Institute may obtain clarification on the offers by requesting for such information from any or all the firms by either in writing or through personal contacts as may be considered necessary. Firm shall not be permitted to change the substance of their offer after the tender has been opened.
 - (e) All the terms and conditions for the supply, testing and acceptance, payment terms, penalty etc. shall be as those mentioned herein and no change in the terms and conditions will be acceptable. In case of alterations, if any, in the tender bid shall be attested properly by the firm, failing which the tender is liable to be rejected.
 - (f) The Institute shall not be responsible for any delay in submission of the tender bids. The offers submitted by fax or email with unsigned tenders would not be considered as a valid offer and not considered. No further correspondence will be entertained on this matter.
 - (g) In the event, the vendor's company or concerned division of the company is taken over/merged into another company, all the obligations under the agreement with the Institute shall be passed on to the new company/division for compliance by the new company on the negotiations.
 - (h) If the name of the product is changed for describing substantially the same product in a renamed form, then all techno- financial benefits agreed, with respect to the original product shall be passed on to the Institute and the obligations of the vendor towards the Institute in respect to the product with old name shall be passed on to the product so renamed.
 - (i) The Registration Nos. / PAN No. of the firm allotted by the Sales Tax / Service Tax /Income Tax authorities, shall invariably be given along with relevant documents.
 - (j) In the case of firm whose tender is accepted for placing the order, firm shall give Bank Guarantee from a Nationalised Bank equivalent to 10% (ten percent) of the value of the contract as security deposit/performance guarantee for 2 years of AMC.
 - (k) In case the Institute sees that the market rates have come down from the time when rates were finalized in the rate contract/order or there is a need for selection of new system configuration based on market trends, the Institute, may ask the technically short listed vendors to requote the prices and the vendor shall be selected on the basis of procedure given earlier.
 - (l) The Institute reserves the right to award the contract to any of the bidders irrespective of not being lowest, taking into consideration of the interest of the Institute and in this respect, the decision of the Institute shall be final.

2.17 **Acceptance of tender:** The tender shall be processed as per standard procedures. The Institute, however, reserves the right to reject any tender without disclosing any reason. The Institute would not be under obligation to give any clarifications to those vendors whose tenders have been rejected, unless otherwise decided or covered under the provision of the Right to Information Act, 2005.

- 2.18 **Right to modify the requirement:** The categories of items and quantity will be as per requirements. NIT, Rourkela reserves the right to increase or decrease the quantity or delete some or all of the items depending on the needs of the Institute without assigning any reasons.

Durga Prasad Mohapatra
Head, Computer Centre
NIT, Rourkela

Tender document approved

Director,
NIT, Rourkela
Date: 10th March, 2010

IMPORTANT SPECIFICATION FOR PURCHASE OF BLADE SERVERS

Sl. No.	Items	Descriptions
Blade Chassis		
1.	Blade Chassis for full height blades	<ol style="list-style-type: none"> 1. Upto 10U chassis enclosures including complete power infrastructure to house at-least10 full height 10 blade servers in standard 19". The server to be maintained in existing 42U rack. The rack has 12U space empty. 2. Supported with 4X InfiniBand and 10G Ethernet speed on the backplane 3. Certified for using industry standard switches like Cisco, Nortel and Brocade 3. Should have superior foundation for virtualization to support VSphere4 4. Should support energy efficient and conservation standards with certification from UL/FCC/RoHS. 5. <u>Complete</u> power redundancy : including redundant power supplies, and redundant power connections to the blades (N+N redundancy), N+1 power redundancy to be supported on chassis. 6. Hot swap cooling unit for smooth operation with minimum moving parts for minimum downtime. 7. Inbuilt support of centralized management of all blades integrated with redundant management module. 8. Supports for full height blades. 9. Supported tools to track power usage for better manage energy and prevent outages. 10. Two SAN switches to be connected to each fiber ports in blade for redundant connection. 11. 4 x 1G & 2 x 1/10G Ethernet switches to be provided to connect all the ports on these blades (six ports per blade) and externally provide minimum three 10G ports and minimum six 1G ports. Aggregate traffic should be routed out of the 10 G uplink ports.
Blade Server (10 Nos)		
2.	Server Blade for Chassis	<p>10 numbers of blades is required. All blade servers should have redundant I/O modules to ensure blade redundancy. Blade should be loaded with dual processor, two HBA card with dual ports, six Ethernet ports.</p> <p>The cost of each blade and it's components available (like 8GB/4GB RDIMM module, management module, two ports & four ports 1G Ethernet Card, two ports HBA card, 4G speed SAN switch, 1G Ethernet switch, 1G Ethernet switch with 10G uplink etc) should be provided which will be valid for at least 6 months so that customer can make order additional components later on.</p>

Sl. No.	Items	Descriptions
3.	Processor	Dual socket, dual processor with 64 bit, quad core Xeon 5570@2.93 Ghz and 8MB of L3 shared cache per blade
4.	RAM	<ol style="list-style-type: none"> 5 numbers of blades each with total of 48GB DDR3 dual rank RDIMM which can be expandable up to 96GB. Each RDIMM module should be 1333MHZ & 8 GB. 5 numbers of blades each with total of 24GB DDR3 dual rank RDIMM which can be expandable up to 96GB. Each RDIMM module should be 1333MHZ & 4 GB. All above RDIMMs should be supported with ECC protection.
5.	Ethernet	<ol style="list-style-type: none"> <u>Six Ethernet ports</u> per blade supported with 1G speed and full redundancy. They must be supported with Network Teaming from vsphere4. It should support IPv4 & IPv6
6.	Fiber	<ol style="list-style-type: none"> Two Industry standard HBA ports with minimum 4G speed. Two Industry standard 4G fiber channel SAN Switch with 10 ports/switch It should be included with <u>eight SFP</u> modules, cables and any other accessories as required
7.	HDD	Two number of internal Hot swappable SAS HDD (minimum 300 GB) using integrated RAID-1 support.
8.	SATA Multi-Burner	One SATA Multi-Burner drive in chassis which can be shared by the blades.
9.	Redundant Internal Power	Redundant Power connectors from blade to chassis
10.	Redundant backplane/midplane	Redundant I/O communication path between each of the blades and the chassis modules ensuring no single point of failure
11.	BIOS	<ol style="list-style-type: none"> Unified Extensible Firmware Interface (UEFI) or equivalent with integrated management module in the blade Supports 64 bit architecture and can address 16TB of memory or more Must be virtualization enabled.
12.	Power Management	Power management with integrated tools.
13.	Remote Management	Integrated management module (IMM) support for remote management.
14.	Fault Tolerant	Equipped with predictive failure analysis to detect component failure (processors, memory, disk drives, system battery, expansion cards and PCI slots) before the failure occurs to maximize availability.
15.	Virtualization	<ol style="list-style-type: none"> The proposed hardware must be designed to run on VMWARE Vsphere4 Support for embedded hypervisor for virtualisation Support of industry standard protocol such as CIM
16.	Warrantee	3 years comprehensive warrantee. 2 years as AMC price to be quoted now. This will be paid quarterly basis after 3 years of warrantee.
17.	Enhanced Predictive Failure Analysis	Predictive failure analysis on blowers processors, memory, HDD to anticipate/generate pre-failure alerts.
18.	Proper Diagnosis	1. Proper diagnostic method to identify failing components inside the

Sl. No.	Items	Descriptions
	methods	<p>system without interrupting system operation.</p> <p>2. Proper analysis method to detect components or hard drives operating outside of set thresholds.</p> <p>3. Light path diagnostics or equivalent (should work even in the event of failure with an externally visible LED panel and individual lights through the system on items like CPU, memory, Power supplies, PCI slots etc.</p>
19.	Field Proven with Installed base	Offered Blade chassis should have been in operation for more than 1 year world wide.
20.	With regional OEM support setup	OEM should have their own support infrastructure in the region (Kolkata)
21.	Same OEM for all products	Products should be from same manufacturer in order to ensure proper functioning, compatibility, support and seamless integration.
22.	Delivery Schedule	6weeks maximum
23.	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.
24.	Installation & Configuration	These blades must be interoperable with existing storage infrastructure consists of DS 3400 (two numbers) and SAN Switches. They must be Installed and configured by authorized engineer from the manufacturer (not from the vendor).
Other Features		
25.	OS supported	Support of following OS: Win Server 2008, Win server 2008 R2 (64 bit), Redhat Enterprise Linux 5.3 (64 bit) with Xen, Novel SUSE Linux enterprise server v 10 & v11, VMware vSphere 4.
26.	Virtualization Supported	Support of the following virtualization software:- <ul style="list-style-type: none"> MS windows server 2008 Hyper-V VMware vSphere 4
27.	KVM Support	Internal KVM switch should be provided in the chassis
28.	OS to be Included	20 (twenty) number of latest version of RHEL for 64bit Xeon servers. It may be included in proposal to be quoted separately. It will be installed as a part of solution. All OS should be academic license. The OS must be current version with 3 years upgrade protection.
29.	Training	<p>At least three days training on “Chassis & Blade server Administration with Troubleshooting” at NIT, Rourkela will be provided by OEM before Server Installation ii) Configuration, iii) Testing, iv) Implementation with existing infrastructure and v) Verification.</p> <p>Training agenda must be attached in technical bid for providing above training.</p>

Note: Any specification terms found to be vendor specific, may be quoted with equivalent technical specification.

RELEVANT TENDER INFORMATION

Annexure-B

The following information will be taken into consideration in the process of technical bid evaluation.

1. Name of the firm: _____
2. List of Institution/organizations where similar kind of setup (as requirement mentioned in annexure-A) implemented is provided by the bidder:

Sl. No.	Institutions/organizations where Blade Center is installed and AMC supported.	Configuration and number of Blade Server Supplied	Start of contract	End of contract (if any)	Duration of the contract	PO Order No & Date (documentary proof should be attached)	Date of obtaining successful installation completion certificate. (documentary proof should be attached)	Contact details of a person in organization mentioned by vendor with phone number & eMail id
1.								
2.								
3.								

3. Delivery Period (as per technical detail attached in *Annexure –A*):
4. Validity Period of cost of equipments (as per technical detail attached in *Annexure –A*):
5. Whether tender specific authorization certificate from the OEM attached ?
6. Whether quality certificate from a recognized institution for their manufacturing / assembly / system integration facilities anywhere located in India or abroad attached?
7. Whether infrastructure related details with reference to locations and technical manpower, availability of inventory spares etc attached?
8. Whether copy of Certificates/P.O. with proof of having executed such similar projects (mentioned in point no. 2) attached ?
9. Whether documentary proof like Sales Tax/VAT, Service Tax registration number, the details of income tax registration (PAN), Copy of Income Tax Returns / Clearance Certificate for last three years attached ?
10. Whether declaration on their letter head that they are not black listed in any Govt. body, undertaking, PSU or autonomous bodies is attached ? (Hiding facts in this regard will be taken as offence and cancellation of contract can be possible at any moment of information during period of the contract)
If yes provide possible reasons:

11. Whether penalty for delay in commissioning ever faced by any organization ?(Hiding facts in this regard will be taken as offence and cancellation of contract can be possible at any moment of information during period of the contract) if yes provide possible reasons:

