

CORRIGENDUM

REF.: Our Tender No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender) for NAS/SAN UNIFIED STORAGE SOLUTION published in leading newspapers.

The **SPECIFICATIONS** are now revised. The date of **OPENING / SUBMISSION** is also revised as per details give below:

1. Date & Time of Sale of tender: 28.10.2016 up to 05.30 P.M.
2. Date & Time of Submission tender: 07.11.2016 up to 05:30 P.M.
3. Date & Time of Opening of tender: 08.11.2016 up to 11.30 A.M.

All other details are available on NISER website: www.niser.ac.in.

Store & Purchase Officer



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

Notice Inviting Tender No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender)

NAS/SAN UNIFIED STORAGE SOLUTION

Cost of Tender is 1500.00 (Non Refundable)

Paper Notice



**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH
JATNI CAMPUS, P.O. - JATNI
KHURDA – 752050, ODISHA, INDIA**

Notice Inviting Tender No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender)

Sealed Tenders are invited on behalf of the Director, National Institute of Science Education and Research, Jatni from the manufacturers(Indian or Foreign) and their authorised reseller/Indian agent only for supply & installation of the following items:-

Sl. No.	Name of the Items	Tender No.	Name of Department	Indent No.	Qty.	EMD in INR
01	NAS/SAN Unified Storage Solution	PTN-49/2016	Computer Centre	NC-000409-CC-16-17	01 No.	1,40,000.00

For all other details please visit the NISER web-site address: www.niser.ac.in directly.

Stores & Purchase Officer



**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH
JATNI CAMPUS, P.O. – BHIMPUR-PADANPUR, VIA-JATNI
KHURDA – 752050, ODISHA, INDIA**

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NB: PARTIES REGISTERED WITH SSI/DGS&D/DAE AND FOREIGN PARTIES QUOTING DIRECTLY ARE EXEMPTED FROM PAYING EMD & TENDER FEE.

Interested parties may collect the Tender Documents from the Dy. Controller of Accounts, NISER, on payment of Rs.1500/-(Non Refundable) can be downloaded from NISER website **upto 18-10-2016**. The Tender, complete in all respects should be submitted within **05.30 p.m. on or before 20.10.2016** along with prescribed Earnest Money Deposit.

Detailed Tender Document can also be downloaded from the NISER web-site address: www.niser.ac.in directly. Bidders who submit the form downloaded from the web site must attach Demand Draft of requisite amount (cost of tender document) prepared in favour of the FINANCE OFFICER, NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH with their bids.

NISER reserves the right to accept or reject any or all the Tenders without assigning any reason.

Stores & Purchase Officer



**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
NIT OPEN DOCUMENT (2 PART BID)
SUPPLY & INSTALLATION OF
NAS/SAN UNIFIED STORAGE SOLUTION**

National Institute of Science Education & Research (NISER), Jatni is an Autonomous Institute under Dept of Atomic Energy. NISER would like to procure the following equipment. The Technical Specifications Schedule of Requirements and Allied Technical details are given in Part-1 of tender document.

- **Item:** NAS/SAN Unified Storage Solution
- **Tender Enquiry No:** PTN-49/2016
- **Last date of sale of Tender document:** 18th October, 2016 up to 05.30 PM
- **Last date of submission of bid-** 20th October, 2016 Up to 5.30 P.M
- **Opening of Technical Bids:** 21st October, 2016 at 02.30 PM
- **Date and Time of Pre-bid meeting (Technical discussion only) –** 30 September, 2016, at 12.30 P.M in conference hall.

Sealed tenders are invited for supply and installation of **NAS/SAN UNIFIED STORAGE SOLUTION** in the National Institute of Science Education & Research, Jatni. The tender document consists of the following two parts.

Part-1: "TERMS & CONDITIONS" & "TECHNICAL BID" of the tender.

Part-2: "FINANCIAL BID" of the tender.

The sealed envelope containing "Terms & Conditions", "Technical Bid" and "Financial Bid" on prescribed tender document should reach to the Stores & Purchase Officer, National Institute of Science Education & Research, Jatni on or before **20th October, 2016** upto **5:30 p.m.** otherwise the tender will not be accepted.

The sealed envelope of the bidders containing Part-1 "Terms & Conditions" and "Technical bid" shall be opened on **21st October, 2016** at **02:30 p.m** One representative of each vendor may participate at the time of opening the bids (The representative must have the valid authorisation from their respective company for attending the tender opening meeting). The Part -2 "Financial Bid" of only those parties who qualify in Part -1 will be opened on a later date. The date of opening will be informed to each qualified party separately.

(Deepak Srivastava)
Stores & Purchase Officer

The Institute can provide following documents.

1. Custom Duty / Excise duty exemption certificate.
2. Road permit for entering in Orissa, Party has to pay Entry Tax

The Institute can't provide following documents.

1. Form D for Central Sales tax/IIID for Orissa commercial Taxes.

COST OF TENDER IS RS. 1500/- (NON REFUNDABLE).

This is payable in cash or Demand Draft of a scheduled Bank in favour of Finance Officer, National Institute of Science Education and Research, Jatni.



PART - 1
TERMS & CONDITIONS
FOR SUPPLY AND INSTALLATION OF
NAS/SAN UNIFIED STORAGE SOLUTION
FOR
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI
Notice Inviting Tender No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender)

1. Director, National Institute of Science Education & Research, Jatni (NISER) invites sealed tenders for **NAS/SAN UNIFIED STORAGE SOLUTION** from the

Qualifying criteria for technical evaluation:

- The Bidder should have more than 5 years' experience in eastern part of India for the supply and installation of the data center IT solutions (servers, storage etc.). Supporting documents such as PO and IR as a proof of at least 5 years' experience should be submitted.
- The Bidder should be an ISO 9001 certified company (attach self-certified copy).
- Server and Storage OEM should have presence in East India for technical support.
- Server and Storage OEM should have presence in India for last 10 years
- The Bidder should have implemented minimum 3 nos. of 35TB or Higher OR 2 nos. of 50 TB or Higher OR 1 no. of 100 TB or Higher Storage Solution in the last Seven years. PO references and IR documents for the same to be provided.
- The OEM for Server and Storage should be in the Leaders Quadrant of the corresponding latest Gartner's Report (attach self-certified copy).
- The OEM for switches, backup software and other components should be present in the corresponding latest Gartner's Report if available (attach self-certified copy).
- Only devices belonging to model existing in the market and available on OEM website should be quoted.

Parties who qualify in qualifying criteria will be only considered for further evaluation.

2. The Bidders are requested to give detailed tender in the prescribed forms in two Bids
i.e. Part - I Technical Bid.
Part - II Commercial Bid.

3. **Contact for information:** (Only E-mail enquiries will be entertained)

For Technical Information of NAS/SAN UNIFIED STORAGE SOLUTION:

Shri Saikat Hira

Computer Centre, NISER

E-Mail – saikat.hira@niser.ac.in

For Information regarding Commercial & all other Terms & Conditions:

Deepak Srivastava

Stores & Purchase Officer

National Institute of Science Education & Research, Jatni

E-Mail-spo@niser.ac.in

4. Supply means:

“Supply, Installation, Commissioning and satisfactory demonstration of the whole equipments”.

If any charges extra are payable for Installation and Commissioning, the same should be specified in the commercial offer.

5. Submission of Bids:

- (a) Place: Office of Stores & Purchase Officer, NISER, Jatni.
- (b) Time and Date of Submission: up to **05.30 PM on 20.10.2016**
- (c) Time and Date of opening Technical Bid: at **02.30 P.M on 21.10.2016**

NISER will not be responsible, for submission / delivery of quotation at wrong places other than the Office of Stores & Purchase Officer, NISER, Jatni.

6. Two Bid System: -

The two bid system should be followed for this tender. In this system the bidder must submit his offer in two separate sealed envelopes. Both the technical bid and commercial bid envelopes should be securely sealed and stamped separately for each quoted equipment and clearly marked as “Envelope No.1 – Technical Bid” and “Envelope No.2 – Commercial Bid” respectively. Both the sealed envelopes should be placed in a third larger envelope. The main envelope which will contain both the bids should be super scribed with our tender enquiry **No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender)** due on **20/10/2016 with name of the equipment & Department** and to be submitted to the address given below so as to reach on or before **05.30 PM on 20/10/2016. Separate envelope should be used for each item super scribing name of the indent.**

Stores & Purchase Officer,
National Institute of Science Education & Research,
Jatni Campus, PO-Bhimpur-Padanpur, Via-Jatni, Khurda - 752050

The envelopes must be super-scribed with the following information:

- Tender Reference Number
- Name of the Equipment
- Name of the Department
- Due Date
- Name of the Vendor
- Envelope No. 1: Shall contain “Acceptance of Terms & Conditions”, “Technical Bid” and Earnest Money Deposit (EMD)
The technical offer should not contain any price information.
- Envelop No.2: Shall contain financial bid only.

The Technical Bid must be submitted in an organized and structured manner. No brochures/leaflets etc. should be submitted in loose form. Please indicate page nos. on your quotation eg. If the quotation is containing 25 Pages, please indicate as 1/25, 2/25, 3/25 -----25/25.

Printed conditions of the vendor submitted with the tender will not be binding on National Institute of Science Education & Research, Jatni.

Important Instruction

The parties are requested to make separate bid (technical & financial both) for each quoted equipment along with the requisite amount of EMD.

The Technical Offer should comprise of the following:

- a) Tenders, which are submitted without following the Two-Bid Offer System, will summarily be rejected.

- b) The technical offer should be complete to indicate that all products and services asked for are quoted. Each page of the bid and cutting/corrections shall be duly signed and stamped by the bidder. Unsigned Tenders will also be rejected. Failure to comply with this requirement may result in the bid being rejected.
- c) The purpose of certain specific conditions is to get or procure best product/service etc. for NISER. The opinion of Technical Committee shall be the guiding factor for technical short listing.
- d) The earnest money deposit as indicated against the item should be enclosed along with the terms & conditions & technical bid duly signed and stamped in the form of Account Payee Bank Draft payable on any branch of Nationalised/Schedule Bank at Bhubaneswar/ Jatni in favour of "Finance Officer, National Institute of Science Education & Research, Jatni, in a separate sealed envelope. All tenders submitted without requisite amount of earnest money shall be rejected and their technical and financial bids shall not be opened. No interest is payable on EMD. The EMD will be returned to the bidders(s)/Agents whose offer is not accepted by NISER within one month from the date of the placing of the final order(s) on the selected bidder(s). In case of the bidder(s) whose offer is accepted the EMD will be returned on submission of Performance Bank Guarantee (if applicable). However, if the return of EMD is delayed for any reason, no interest /penalty shall be payable to the bidders.

EMD EXEMPTION:

PARTIES REGISTERED WITH SSI/DGS&D/DAE AND FOREIGN PARTIES QUOTING DIRECTLY ARE EXEMPTED FROM PAYING EMD. FOREIGN PARTIES QUOTING DIRECTLY UNDER ORIGINAL SEAL AND SIGNATURE (NOT SCANNED) WILL GET THE EXEMPTION.

The EMD shall be forfeited:

If the bidder withdraws the bid during the period of bid validity specified in the tender. In case a successful bidder fails to furnish the Performance Bank Guarantee (if applicable).

- e) Undertaking that the successful bidder agrees to give a Performance Bank Guaranty of 10% of the purchase order value in favour of "Director, National Institute of Science Education & Research, Jatni valid till warranty period.

Performance Bank Guarantee:

Within ten (10) days of the award of contract, the vendor shall furnish a Performance Bank Guarantee amounting to 10% of the purchase order value in the form of Bank Guarantee favouring the Director, National Institute of Science Education & Research, Jatni valid till completion of warranty period.

- f) Duly filled in Technical Bid with proper seal and signature of authorized person on each page of the bid should be submitted and the same should accompany with complete specifications and drawings, Manufacturer's name, address and relevant Technical Literature/Brochures with warranty Terms and EMD.
- g) If the bid is for branded makes, authorization letter from principals clearly indicating that the vendor is the competent authority to sell and provide services towards the items mentioned in the scope of supply given in this tender document.
- h) Copy of LST/CST/WCT No. PAN No. and TIN No. allotted by the concerned authorities.
- i) List of deliverables / Bill of materials and services.
- j) Compliance sheet with any deviation with reference to the terms and specifications.
- k) Indicate the names of the Indian reputed Organizations where you have supplied similar equipment and may attach the satisfactory performance report of the equipment from user Organization.
- l) The item should be supplied with manuals and the manuals including technical drawings should be complete in all respects to operate the system without any problem.
- m) Bid documents should be submitted as per the above sequence with Index page and page numbers (including technical literature). Each page of the bid should be signed & stamped in original. Unsigned bids will not be considered for evaluation.

• **Envelope 2: “Commercial Bid” shall contain:**

- a) Price schedule complete in all respects with proper seal and signature of authorized person. **Tender with any condition including conditional rebate shall be rejected forthwith.**
- b) Cost of all the items should be mentioned clearly and individually in the Commercial Offer (Part-II) only.
- c) **The Bidders are requested to quote for Educational/Institutional Price for Machine/ Equipment and, since we are eligible for the same.**
- d) **Printed conditions of the vendor submitted with the tender will not be binding on NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH.**

7. Date of opening the Technical Bids.

Technical Bids will be opened on – **21st October, 2016 at 02.30 P.M** at office of the Stores & Purchase Officer, National Institute of Science Education & Research, Jatni.

The Technical bids will be opened in the presence of the bidders on the specified time and date. Bidders/Agents who have responded to the tender only will be allowed to be present.

The technical bids will be evaluated to shortlist the eligible bidders. The commercial bids of only the short listed bidders shall be considered for further processing. Bidders whose technical offer is found acceptable and meeting the eligibility requirements as specified in this tender will be informed about the date and time of the opening of the commercial bid.

- Note:** (1) Please do not insert ‘Commercial Bid’ (prices quoted) in the technical bid envelope. If the price quoted is submitted with technical bid the tender will be rejected.
- (2) No camera mobiles / mobiles are allowed during tender opening.

8. Opening of Commercial Bids

NISER will open commercial bids of only the short listed bidders, in the presence of the bidders or their authorized representatives who choose to attend the commercial bid opening. The Date and Time of opening the Commercial Bid will be intimated only to pre-qualified and technically acceptable Bidders for the item at a later date.

The representatives of short listed firms only will be allowed for commercial bid opening.

ONLY TECHNICALLY accepted competitive bids will be considered for placing Purchase Order. The commercial offers of the vendors whose technical offers are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening.

The bid can be submitted in person or through post/courier (NISER will not be responsible for delayed / late quotations submitted / sent by Post / Courier etc. resulting in disqualification/ rejection of any bid) so as to reach NISER on or before the due date and time. Fax / E-mail / Telegraphic / Telex tenders will not be considered unless it is asked for. The bidders ‘authorized representative can attend the bid opening.

9. The Director NISER reserves the right to accept the offer in full or in parts or reject summarily or partly.

10. Delivery Period / Timeliness

The deliveries, installation must be completed within 45 days, after placement of purchase order. The time is the essence of the contract. It is mandatory for the bidders who respond to this bid to meet these expectations, as they are tightly linked to NISER’s plans of completing the project within the time frame.

11. Locations for the Supply / Services

The Devices covered by this document is required to be supplied and installed at Computer Centre of NISER, Jatni. Tender has to give under taking that **he will delivered & install the equipment supplied by him at our new campus at Jatni free of cost.**

12. Order Placement and Release of Payment

The Purchase Order and payment shall be processed by –

Stores & Purchase Officer

**National Institute of Science Education & Research,
Jatni Campus, P.O. – Bhimpur-Padanpur, Via-Jatni,
Khurda – 752050, Odisha, INDIA**

Payment for the items to be supplied by the vendor against the purchase order shall be made by National Institute of Science Education & Research as follows:-

80% payment will be made after 100% delivery of the material on submission of original invoice and original delivery challans duly signed and stamped by the authorised representative of NISER along with performance Bank Guarantee.

Balance 20% payment will be released on submission of installation and warranty certificate duly signed and stamped by the authorized representative of the user department.

In case of imports 100% payment will be made through Letter of Credit. 80% will be paid after submission original shipping documents & balance 20% will be released after satisfactory installation and commissioning along with submission of performance Bank Guarantee.

Agency Commission: Agency Commission to be paid to India Agent should be specified separately and same will be paid in INR.

The tenderers who are not agreeing to above payment terms are requested not to submit their tender otherwise their EMD will be forfeited.

13. NISER will not provide any accommodation/transportation for the engineers/ representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the Principal Supplier/Indian Agent to make there own arrangements.

14. The successful bidder, on award of contract / order, must send the contract / order acceptance in writing, within 7 days of award of contract / order failing which the EMD will be forfeited.

15 Period of validity of bids

Bids shall be valid for a period of 90 days from the date of opening the Technical bid.

NISER may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such request without forfeiting the EMD. A bidder agreeing to the request for extension will not be permitted to modify his bid.

Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

16. AWARD OF CONTRACT

NISER shall award the contract to the eligible bidder whose bid has been determined as the lowest evaluated commercial bid. If more than one bidder happens to quote the same lowest price, NISER reserves the right to award the contract to more than one bidder or any bidder.

Purchaser's Right to vary Quantities at the time of Award: NISER reserves the right at the time of award of Contract to increase or decrease the quantity of items specified in the Schedule of Requirements without any change in price or other terms and conditions.

17. Corrupt or Fraudulent Practices

NISER requires that the bidders who wish to bid for this project have highest standards of ethics. NISER will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract. NISER may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the execution of contract.

18. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, Director, NISER's interpretation of the clauses shall be final and binding on all parties.

19. Price

The price quoted shall be considered firm and no price escalation will be permitted at any time. The quotation should be in Indian Rupees or any known foreign currency. Packing, forwarding, freight, insurance, **Agency commission** and commissioning charges, if any extra may be quoted separately in Commercial Bid.

In case of INR bids the price criteria should be on F.O.R., NISER, Jatni. Govt. Levies like central excise duty, sales tax, octroi, WCT etc., if any, shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price, Central Excise Duty, VAT/ Central Sales Tax etc., if any. Please note that NISER is exempted from payment of Excise duty vide Govt. Notification No.10/97-Central Excise dated 1st March, 1997.

Please provide TIN no. of the firm along with the CST/WCT No. allotted by the concerned authorities in your quotation.

In case of Foreign Currency bid: - Price criteria should be FOB nearest airport detail break up of Price, FCA cost, **Agency Commission**, Insurance, Freight up to Kolkata Airport is required.

20. Pre-installation:

Pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in NISER, Jatni the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipments. In other words the bidder should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

21. Installation, Warranty & Support

Bidder shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter.

The items covered by the schedule of requirement shall carry minimum Five years comprehensive warranty from the date of acceptance of the equipment by NISER. Warranty shall include free maintenance of the

whole equipment and software supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.

The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, octroi, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.

The bidder shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 10 years from the date of supply of equipment on payment on approved price list basis.

The equipment must be supported by a Service Centre manned by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year.

The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.

- Installation and integration of all supplied hardware and software shall be done by the vendor. The vendor shall install and configure all required hardware and software suites, including but not limited to racking and stacking, networking, configuring, installation of applications, configuration of environment and license utility configuration.
- Admin and user training on the storage and administration must be provided.
- The Hardware and software quoted should have 5 years support directly from the OEM along with upgrade and updates. The support agreement should be directly published on the OEM letterhead.

22. Indemnity

The vendor shall indemnify, protect and save NISER against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment's supplied by him.

The successful will be fully responsible for payment of wages and other dues as prescribed and compliance of various Labour Laws.

The successful tender should give an undertaking that the staff deployed at the centre in terms of this contract at all time will be employees of the agency exclusively and they shall not be entitled to any claim of employment or permanency of job with NISER.

NISER reserves the right to forfeit whole or part of the security money towards any damage/lose caused due to the negligence on the part of the agency engaged.

23. Insurance

The equipment's to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at NISER site in case of Rupee/Foreign currency transaction.

24. Penalty for delayed Services / LD

As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the bidder will forfeit EMD/SD and also LD clause will be applicable /enforced.

If the supplier fails to Supply, Install and Commission the equipment as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.

NISER reserves the right to cancel the order in case the delay is more than 30 days Penalties, if any, will be deducted from the EMD.

25. Jurisdiction

If a dispute arises out of or in connection with the contract, or in respect of any defined legal relationship associated therewith or derived therefrom, the parties agree to submit that dispute to arbitration under the ICADR Arbitration Rules, 1996.

The authority to appoint the arbitrator(S) shall be the International Centre for alternative dispute resolution.

The International Centre for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR arbitration Rules, 1996.

**Stores & Purchase Officer
NISER, Jatni**

DECLARATION BY THE VENDOR

It is hereby declared that I/We the undersigned, have read and examined all the terms and conditions etc. of the tender document for which I/We have signed and submitted the tender under proper lawful Power of Attorney. It is also certified that all the terms and conditions of the tender document are fully acceptable to me/us and I/We will abide by the conditions from serial no. 1 to 25 and we have not given any printed conditions beyond the scope of this tender. This is also certified that I/We/our principal manufacturing firm have no objection in signing the purchase contract if the opportunity for the supply of the items against this tender is given to me/us.

Date:

Signature:

Address:

Name:

Designation:

On behalf of:

(Company Seal)



PART - 1
FOR SUPPLY AND INSTALLATION OF
NAS/SAN UNIFIED STORAGE SOLUTION
FOR
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI
Notice Inviting Tender No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender)

General Information

1.	Name of the Company	
2.	Full address of company alongwith Telephone no. Fax no. E-mail address :	
3.	Local address of company for communication, if any	
4.	Are you a manufacturer or dealer/reseller	
5.(a)	Annual turn over in last 3 financial years in Rs. Crores. (i) Year 2013-2014 (ii) Year 2014-2015 (iii) Year 2015-2016	
5.(b)	Supply & Installation of NAS/SAN Unified Storage Solution equivalent to our tendered of last 3 financial years in State Government or Govt. of India Department(s) /Reputed Organisation(s) (in Nos. and Value) (Please attach list of clients) (i) Year 2013-2014 (ii) Year 2014-2015 (iii) Year 2015-2016	
5.(c)	Trade Tax / Sales Tax Registration no. with Place	
5.(d)	Income Tax Registration no. with place	



**SUPPLY AND INSTALLATION
OF
NAS/SAN UNIFIED STORAGE SOLUTION
FOR
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI
Notice Inviting Tender No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender)**

TECHNICAL SPECIFICATION

S. No.	Item Specification	Offered specification with Make & Model No. please specify any deviation if any. Please attach separate sheet if required
(1)	(2)	(3)
01	NAS/SAN UNIFIED STORAGE SOLUTION NC-000409-CC-16-17-PTN-49/2016	
	Please find the detailed specification of “NAS/SAN UNIFIED STORAGE SOLUTION” attached in Annexure-I	

Note: - Parties must mention make & model no. of the equipment offered by them, with detailed specification (on separate sheet). Otherwise their tender will not be accepted.

Notice Inviting Tender No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender)

TECHNICAL SPECIFICATIONS FOR NAS/SAN UNIFIED STORAGE SOLUTION

Revised Technical Specification for NAS/SAN Unified Storage Solution along with automatic backup and archival facility [NIT 40] (NC-84-NISER Project-CC-15-16):

Technical Specifications	
1. Storage	
Feature	Description
Unified Storage	True Unified Storage should be proposed and SAN and NAS controllers should be factory integrated in a single model.
Protocols Supported	The storage shall be configured with FC, iSCSI, NFS, CIFS, FTP, SMB 3.0 protocols for the full capacity of the system from day one.
Controller	Dual Active Active controller should be proposed. The proposed solution should support scale up.
Cache	The system should have 64 GB or higher data read & write cache memory to support both file and block data. The cache on the storage offered should be from controller cache and should not be fulfilled by flash cache or equivalent technologies. The cache on the storage should be battery backed up to minimum 72 hours/should support de-staged to disk functionality.
Storage Capacity	The storage shall support SAS, SSD and NL-SAS based disks simultaneously. The storage shall be supplied with 48 * 1.2TB SAS 10K 6Gbps drives. Hot spare drives should be provided as the best practice of the storage vendor for the drive type. The storage should provide at least 35 TB of usable space in hardware RAID 6 or equivalent.
Front-End connectivity	4 *1 Gbps Ethernet ports for NAS operations; 4*1Gbps Ethernet ports for iSCSI; 8 *8 Gbps or 4 * 16 Gbps FC ports across Dual Controllers. All these ports with licenses should be provided from day one.
Back-End connectivity	The storage should support at least 64 Gbps SAS connectivity across dual controllers
RAID configuration	The system should support RAID6 or equivalent. It should be possible to assign multiple raid arrays and it should be possible to define a volume which spans across all the disks in the storage.
Storage Scalability	The storage should be scalable to at least 150 drives
Replication SW	The solution should support Asynchronous replication for the full supported capacity of the system for all the protocols specified above.
Storage built-in functionality	The proposed storage should support File or Block level de-duplication/equivalent feature
	The storage shall be configured with automatic thin provisioning. The license required for the same shall be supplied as required.
	The storage shall have the ability to expand LUNS/Volumes on the storage online and instantly without any service disruption.
	The storage shall support standard storage (NAS) security features with authentication from openLDAP server.

	System should have redundant hot swappable components like disks, power supplies, fans etc.
Point-in-times images/snapshots	The storage should support point-in time copies/snapshots.
Licensing	All the licenses on the storage system must be provided for an entire capacity supported by the system from day one.
Management	Easy to use GUI based and web enabled administration interface for configuration, storage management
OS support	Support for industry-leading Operating System platforms including: LINUX , Microsoft Windows, HP-UX, SUN Solaris, IBM-AIX, etc.
Authentication for NAS	NAS part should be able to authenticate with OpenLDAP server on the client side for accessing home directories of the users.

2. FC SAN Switch - 2 No

Configuration	24 port 8Gbps FC SAN switch with all port license activated with required modules in each switch from day 1.
Cables	Required FC cables of suitable length to be provided to connect the servers and storage to the SAN switches
Form Factor	The switch should be rack mountable and should be supplied with mounting kit.

3. L3 Switch - 2Nos

Hardware & Performance Requirements	
Architecture	Gigabit Layer-3 modular fixed configuration Switch
Required Port Density	24 X 10/100/1000 Mbps ports and 2 x10G SFP+ populated with MM Module
Switching Bandwidth	Switching bandwidth should be minimum 92 Gbps
Performance	• Forwarding Rate based on 64 Byte packet should be minimum 66 Mpps
	The switch should support scaling of system bandwidth with clustering of two switches through stacking. SFP module for stacking should be provided.
	• MAC Address table size of 32000 entries,
	Should fully support both IPv4 and IPv6 from day 1.
Functionality	The switch should provide Hot-Swappable dual redundant power supplies.
VLAN	IEEE 802.1Q VLAN support for at least 4094 active VLANs
Standards Supported	• IEEE 802.1p prioritization
	• IEEE 802.3x Flow control
	• IEEE 802.3ad Link aggregation
	• IEEE 802.1AB Link Layer Discovery Protocol
	• IEEE 802.1D STP
	• IEEE 802.1w Rapid Reconfiguration of Spanning Tree
Others Features	• Rack Mountable with rack mounting hardware
Routing	• Static, RIP-1 , RIPV-2, OSPF & BGP
	• Routing Table size of at least 512 IPv4 entries and 512 IPv6 entries
	Should have support Multicast features like PIM, PIM-SM & PIM-DM
	• The switch should have full IPv6 support
	• Policy Based Routing and Virtual Routing and Forwarding

4. Backup Server -1 No	
Items	Description
Processors	2 x Intel Xeon E5-2620 V3 6core 2.4GHz,15M Cache(or higher configuration)
Chipset	Intel C610 series chipset
Memory	RAM (min/max): 64GB DDR4 1866Mhz with upgradable up to 256GB
Hard Disk Drives	3 x 600GB 10K RPM SAS 6Gbps 2.5 inch or 3.5 inch Hot-plug Hard Drive
HDD bays	HDD bays supporting SAS, SATA, SSD drives.
Optical Drive	DVD-ROM drive
I/O slots	At least 3 x PCIe 3.0 slots
RAID levels	RAID controller with RAID 0,1
Network Interface	2 x Internal Dual Gigabit ports
HBA	Dual Port 8 Gbps FC HBA to be provided
Server Mgmt.	Dedicated 1Gbps Management port
USB Ports	4 USB 2.0 or higher
Power supplies	Redundant hot plug Power Supply
Cooling	Redundant fans
OS	RHEL OS with 5 years license should be supplied

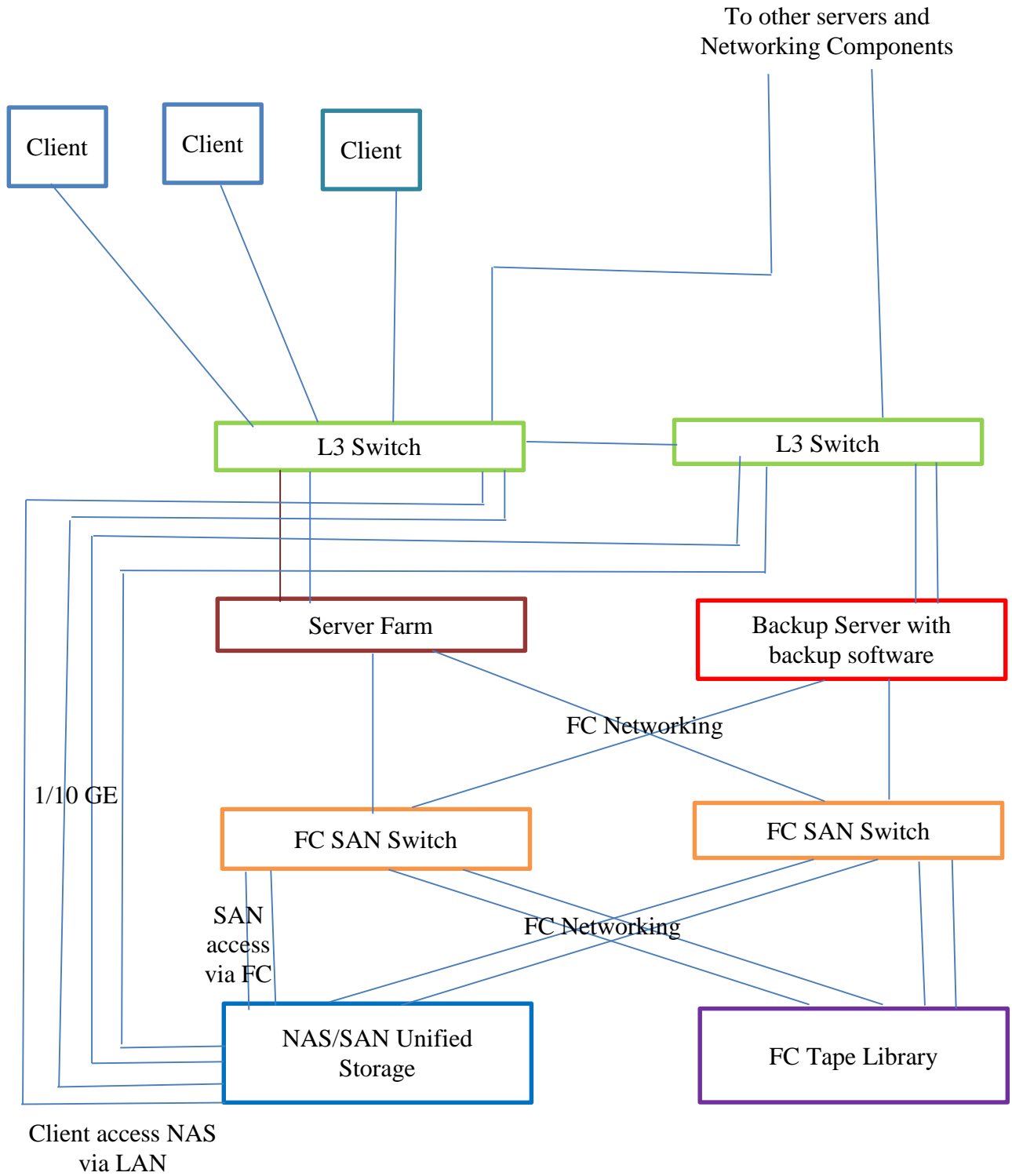
5. Tape Library -1 No	
PARAMETER	Description
Capacity	Shall be offered with Minimum of Two LTO7 FC tape drive. Drive shall support encryption.
No. of Data Slots	Minimum 48 Data Slots needed.
Tape Drive Architecture	Offered LTO7 drive in the Library shall conform to the Continuous and Data rate matching technique/ digital speed matching or dynamic data rate matching techniques or equivalent for higher reliability.
Speed	Offered LTO7 drive shall support 160MB/sec or higher in Native mode and 400MB/sec or higher in 2.5:1 Compressed mode or equivalent.
Power Supply	The offered Tape Library must be offered with Redundant Power supply.
Connectivity	Offered Tape Library shall provide 8Gbps native FC connectivity to SAN switches.
Partitioning	Offered Tape Library must have partitioning support so that each drive can be configured in a separate partition. The Partitioning License should be provided along with the Library.
CARTRIDGES	Bidder must Supply 50 Blank- New Data cartridges & 2 Cleaning Cartridges with barcode labels.
Management	Tape Library shall provide web based remote management.
Barcode Reader and Mail slots	Tape library shall support Barcode reader and min 1 mail slots- to deliver easy, secure access to individual tape cartridges without interrupting library operations.
Other Features	1. Tape Library shall have GUI Panel 2. Shall be rack mountable. 3. LCD front panel.

6. Backup Software	
The proposed Backup Solution should be available on various OS platforms such as Windows and UNIX platforms and be capable of supporting SAN/NAS based backup using client footprint instead of media server footprint from various platforms including IBM AIX, HP-UX, Linux, Solaris and Windows.	
The backup solution should be primarily be configured to take backup of the content of the unified storage.	
Proposed backup solution shall have same GUI across heterogeneous platform to ensure easy administration.	
It should be possible to generate additional copies of data on tape media which can be moved offsite.	
The proposed Backup Solution supports the capability to write up to 32 data streams.	
The proposed backup solution should allow creating tape clone facility.	
The proposed Backup Solution has in-built media management.	
Backup software should have feature to support disk based backup.	
Backup Software is able to rebuild the Backup Database/Catalog from tapes in the event of catalog loss/corruption.	
The proposed Backup Solution should support online backup for different type of databases such as PostgreSQL, MySQL, Oracle, etc, Two online agent (Linux) need to be factored in the overall solution.	
All required agents should be included in the solution for backup and restore of data in the Unified storage.	
The Proposed backup solution shall provide granularity of single file restore.	
The Proposed backup solution shall be designed in such a fashion so that every client/server in a SAN can share the robotic.	
Backup solution should support LAN free backups.	
Backup Solution shall be able to copy data across firewall.	
Backup Solution shall support automatic skipping of backup during holidays.	
Backup solution must have deduplication or equivalent feature integration with software which can be used with any supported disk solution.	

Rack	42U rack along with required accessories including but not limited to redundant power distribution units, fans, etc. to be provided to host this entire solution.
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Warranty & SLA	The Hardware and software quoted should have 5 years support directly from the OEM along with upgrade and updates. The support agreement should be directly published on the OEM letterhead
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Schematic Diagram:





**FINANCIAL BID
FOR SUPPLY AND INSTALLATION
OF
NAS/SAN UNIFIED STORAGE SOLUTION
FOR
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH,
JATNI**

Notice Inviting Tender No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender)

Sl. No.	Systems	Approx. Qty.	Unit Price FOB in Foreign currency	Unit Price including all taxes, freight, Insurance, entry tax (delivered at NISER, Jatni) service charges, installation and warranty charges in INR
(1)	(2)	(3)	(4)	(5)
01	NC-000409-CC-16-17-PTN-.../2016 (Detailed Specification As Per Our Technical Bid)	01 Unit		
2.	Above item should carry FIVE YEARS onsite comprehensive warranty. In case the tendered provide warranty less than 05 years then he has to give justification for lesser period of warranty. Without justification his tender is liable to be rejected.			
3.	Agency Commission to be paid to Indian Agent (will be paid in INR only after successful installation)	Included/Excluded _____% of basic price		
4	CIP Kolkata Charges	Amount		
5	Excise Duty Included/Excluded in the quoted price	_____ . _____% of basic price (Excise duty exemption certificate will be issued)		
6	Custom Duty Included/Excluded in quoted price	_____ . _____% of basic price (Custom Duty exemption certificate will be issued)		
7	Any other charges Included/Excluded in the quoted price (i) Trade tax/Sales tax (Institute will not issue any Sales Tax concession form) (ii) Any other levies	_____ . _____% of (basic price + excise duty) _____ . _____%		
8	AMC Charges after expiry of warranty	Amount in INR		

ALL ABOVE ITEMS ON 5 YEARS ONSITE FULL COMPREHENSIVE FREE WARRANTY.

Date:
Address:

(Company Seal)

Signature:
Name:
Designation:
On behalf of:

(Please take the printout on your letter head along with all details)

To,
The Finance Officer
NISER, Jatni Campus
P.O. – Jatni, Khurda - 752050
Odisha, INDIA

Ref: Tender Ref. No.: _____ Dated. _____

Sub: Refund of EMD

Dear Sir,
We have deposited EMD of Rs. _____/- vide D/D No. _____ dated.
_____ of _____ **(Name of Bank)** against
above mentioned tender. Since our tender has not being qualified, we request to release our
EMD.

Yours faithfully,

Signature of the Authorised Signatory
(with company seal)

Our addressed is verified as below:

M/s. _____

Pin Code: _____

Phone No.: _____



**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH
JATNI CAMPUS, P.O. – BHIMPUR-PADANPUR, VIA-JATNI
KHURDA – 752050, ODISHA, INDIA**

Notice Inviting Tender No. NC-000409-CC-16-17-PTN-49/2016 (2 Part Tender)

CHECK LIST

Your bid should accompany with following documents. Please enclose the required document and put (√) mark in the check list where ever applicable.

Sl. No.	Description of Documents	Enclosure
1.	EMD to be attached with Technical bid only	Yes / No
2.	Part I of Tender Documents with Declaration by the Vendor	Yes / No
3.	Duly filled EMD refundable sheet (if EMD is there)	Yes / No
4.	General Information Sheet	
	Annual turnover in last 3 financial years in Rs. Crores (i) Year 2013-2014 (ii) Year 2014-2015 (iii) Year 2015-2016	Yes / No
	Supply & Installation of equivalent to our tendered for the required item from last 3 financial years in State Government or Govt. of India Department(s) /Reputed Organisation(s) (in Nos. and Value) (Please attach list of clients) (i)Year 2013-2014 (ii) Year 2014-2015 (iii) Year 2015-2016	Yes / No
	Trade Tax / Sales Tax Registration no. with Place	Yes / No
	Income Tax Registration no. with place	Yes / No
5.	Detailed technical description of the item	Yes / No
6.	Detailed filled Financial Bid	Yes / No
7.	Authorisation letter in letter head duly signed by the authorised signatory for allowing your representative to attend the tender opening meeting.	Yes / No

Signature of the Authorised Signatory with Date
(with Company Seal)