



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भुवनेश्वर
◁ परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वयंशासित संस्थान ▷
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHUBANESWAR
◁ An autonomous Institution under Department of Atomic Energy, Govt. of India ▷

संगणक केंद्र
COMPUTER CENTRE

Name of Work:

Supply, Installation, Testing and Commissioning of IT infrastructure at Auditorium Complex.

NIT No. & Date:

NISER/CC/2018-19/013

Dated 14.11.2018

Estimated cost of tender:

₹21,56,101/-

Earnest Money Deposit:

₹43,122/-

Period of Completion:

45 (Forty-Five) days

Pre-Bid Meeting:

30th November 2018 at 3:00 pm

Last date of receipt of tender:

03rd December 2018 up to 10:30 AM

Opening of (Tech.) Bid:

03rd December 2018 at 11:00 AM

Opening of (Fin.) Bid:

05th December 2018 at 3:00 PM

This tender documents contains 12 (Twelve) Pages



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TENDER DOCUMENTS

NIT No.: NISER/CC/2018-19/013

Date: 14.11.2018

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Supply, Installation, Testing and Commissioning of IT infrastructure at Auditorium Complex.

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NOTICE INVITING TENDER

NIT No.: NISER/CC/2018-19/013

Date: 14.11.2018

Director, NISER invites e-tenders in two parts (Technical and Financial Bid) for the following work.

Name of work:

Supply, Installation, Testing and Commissioning of IT infrastructure at Auditorium Complex.

Estimated Cost:	₹21,56,101/-
Earnest Money:	₹43,122/-
Period of Completion:	45 (Forty-Five) days
Pre-Bid Meeting*	30th November 2018 at 3:00 pm
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Opening of (Fin.) Bid:	05th December 2018 at 3:00 PM

**Technical/work detail meeting is arranged for contractors/agency who intends to apply. The aim of this meeting is to brief about the work to be carried out in this tender and clearing any issue or doubt of contractors/agency regarding this work. Contractor/agency are requested to attend this meeting and get their technical issues cleared before applying for this work. The meeting is scheduled on 30th November, 2018 at 3:00 PM in Conference Room, SMS Building, NISER, Jatni.*

Tender can be downloaded and bided from website address: www.tenderwizard.com/NISER .

Tender documents for viewing only is also available in NISER web-site address: www.niser.ac.in .



Registrar, NISER

Standard e-Tender Terms & Conditions

1. The details of tender notification can be downloaded from www.tenderwizard.com/NISER under "Tenders of NISER" link.
2. Vendors should obtain the USER ID and PASSWORD from www.tenderwizard.com/NISER by clicking on "ENROLMENT" link in the homepage.
3. The Vendor registration fees has to be paid to **ITI Ltd** for ₹1,180/- including GST. Using the e-payment link provided at the time of registration, and the mode of payments are Credit Card, Debit Card and Internet Banking. Vendor Registration is Valid for ONE year.
4. For further details on e-Tender participation, please contact ITI Help desk on
 - Telephone: 080-49352000/9686115318
 - Email: harishkumar.kb@etenderwizard.com , ambasa@etenderwizard.com .
5. Tenders should be submitted only through e-Tender portal and the Tender Acknowledgement has to be retained as a proof of successful submission.



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Tender Notice

Director, NISER invites e-tenders in two parts (Technical and Financial Bid) for the following work from contractors for Computer Centre works those who have worked for DAE or its Organizations or Govt. /Semi Government organizations and have successfully carried out a minimum of one/two/three similar works (BUILDING or Lab. Wiring/ LAN Points) of 80%/60%/40% respectively of the estimated cost or above, as indicated in the prescribed format of the E-Tender portal in last seven years. The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise the bid bears the risk of not being considered.

Name of Work	Estimated Cost	Earnest Money	Performance Security	Duration of work
Supply, Installation, Testing and Commissioning of IT infrastructure at Auditorium Complex. NIT No. NISER/CC/2018-19/013 Dt. 14.11.2018	₹21,56,101	₹43,122	@ 5% of tendered amount	45 days from the date of receipt of acceptance letter/ submission of PG

The Bidders are requested to give detailed tender in E-Tender portal in the prescribed forms in separate Bids (comprising Technical Bid and Financial Bid).

Tender process & award of contract: The technical bid will be evaluated to shortlist the eligible bidders. The financial bid 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 qualified for opening of the financial bid. NISER will open financial bid of only the technically qualified bidders.

The earnest money deposit as indicated against the work should be sent by post or by hand to **SO-E (Computer), Computer Centre, SMS Building, NISER, At/PO-Jatni, District-Khurda, Odisha-752050** so that it reaches on or before the opening of the technical bid for e-tender system, in the form of **Account Payee Bank Draft** payable on any branch of Nationalized/Schedule Bank at Bhubaneswar/Jatni in favour of **Director, NISER** payable at Bhubaneswar/Jatni in a sealed envelope. All tenders submitted without requisite amount of earnest money shall be rejected and their technical and financial bid shall not be opened. No interest is payable on EMD.

Director of NISER, reserves the right to accept/reject any/all tenders without assigning any reason whatsoever. Part or incomplete tenders will be summarily rejected. No further correspondences whatsoever shall be entertained in this regard. Canvassing in any manner shall result in rejection of the tender.

Any dispute arising out of this shall subject to Bhubaneswar jurisdiction only.



Registrar, NISER

General Terms & Conditions

1. E-tenders are hereby invited from contractors for the Computer Centre Works NISER, Bhubaneswar for the work of Supply, Installation, Testing and Commissioning of IT infrastructure at Auditorium Complex. Registered/empanelled contractors of CPWD, MES, Railways and State PWDs and/or those who have worked for DAE or its units or in any Govt./Semi Govt. organizations and have successfully carried out minimum one/two/three similar work (BUILDING or Lab. Wiring/ LAN Points work) of 80%/60%/40% respectively of the estimated cost in the last seven years, are eligible. The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise their bids bear the risk of not being considered.

In support of fulfilling all the essential conditions mentioned in the previous para the contractor shall submit the details of the past work, mentioning the name of work, estimated cost, tendered amount, gross value of work done, date of commencement as per agreement & actual date of completion as per agreement along with schedule of quantities executed and any penalty levied due to delay in executing the work from an officer not below the rank of Executive Engineer. The estimated cost of the work is ₹**21,56,101.00/-** (INR Twenty-One Lac Fifty-Six Thousand One Hundred and One only).

2. Period for completion of the work will be **45 (Forty-Five) days** and the date of commencement shall be reckoned from the tenth day of issue of award letter. The tender documents can be made available at the office of SO-E (Computer) on written request.
3. The earnest money deposit as indicated against the work should be sent by post to "SO-E (Computer), Computer Centre, SMS Building, NISER, At/PO-Jatni, District-Khurda, Odisha-752050" so that it reaches on/before the opening of the technical bid for e-tender system, in the form of **Account Payee Bank Draft** payable on any branch of Nationalised/Scheduled Bank at Bhubaneswar/Jatni in favour of "Director, NISER" in a sealed envelope. All tenders submitted without requisite amount of earnest money shall be rejected and their technical and financial bid 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 Security Deposit. However, if the return of Deposit is delayed for any reason, no interest/penalty shall be payable to the bidders.
4. The details of tender notification can be downloaded from www.tenderwizard.com/NISER under "**Tenders of NISER**" tab. Vendors should obtain the USER ID and PASSWORD from www.tenderwizard.com/NISER by clicking on "**ENROLMENT**" tab in the homepage. The Vendor registration fees has to be paid to ITI Ltd for ₹1,180/-. Using the e-payment link provided at the time of registration, and the mode of payments are Credit / Debit Card and Internet Banking. Vendor Registration is Valid for 1year. Tenders should be submitted only through e-Tender portal and the Tender Acknowledgement copy should be obtained as a proof of successful submission. Tenders document can also be downloaded from NISER website: <http://www.niser.ac.in/content/tender>, or collected from the office of SO-E (Computer).
5. The Bidders are requested to give detailed tender document in E-Tender portal in the prescribed forms in single Bid (comprising Technical and Financial Bid). The scanned copy of EMD draft must also be uploaded by the bidder.
6. E-Tenders should be applied before the closing date and time indicated.
7. The technical bid will be evaluated to shortlist the eligible bidders. The financial bid of only the shortlisted bidders shall be considered for further processing. Bidders whose technical offer is found acceptable and meeting the eligibility requirements as specified in this NIT will be considered for opening of the financial bid. NISER will open financial bids of only the technically qualified bidders. Please note that bids submitted without EMD will summarily be rejected.
8. Director of NISER does not bind himself to accept the lowest or any tender and reserves the right to accept the tender either in whole or in part. The decision of the Director shall be final in this regard.
9. Canvassing in any manner or form will lead to rejection of the Bid.
10. The tenderer shall not be permitted to bid for works in any unit of DAE where any of his/her relatives are employed. He shall also intimate the names of any such persons who are working with him in any capacity or subsequently employed by him and whose relatives are working in DAE or its units.

NOTE: A person shall be deemed to be a relative of another if, (a) they are members of a Hindu undivided family; or (b) they are husband and wife; or (c) the one is related to the other in the following manner : Father, Mother (including step mother), Son (including step son), Son's wife, Daughter (including step daughter), Father's father, Son's son, Son's wife, Son's daughter, Son's daughter's husband, Daughter's husband, Daughter's son, Daughter's son's wife, Daughter's daughter, Daughter's husband, Brother (including step brother), Brother's wife, Sister (including step sister), Sister's husband.

11. Contact for Technical information: (Only E-mail enquiries will be entertained)

Mr. Deepankar Dash
SA-C (Computer)
Computer Centre, NISER
E-Mail: ddash@niser.ac.in

12. **All the price quoted should be Inclusive of taxes.** The Bid shall remain valid for a minimum period of 90 days from the date of opening of the tender for the purpose of acceptance and award of work. Validity beyond 90 days from the date of opening shall be by mutual consent.
13. The tenderer should see and obtain the drawings. In case of any queries, necessary clarifications may please be sought from the office of the Scientific Officer-E (Computer). No claim whatsoever will be entertained in this regard for any alleged ignorance, thereof.
14. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility to site, nature and extent of ground, working condition of site and locality including stacking of materials, conditions affecting accommodations and movement of labour, etc., which are required for satisfactory execution of the work. No ignorance of the same, whatsoever shall be entertained under any circumstances.
15. EMD is liable to be forfeited if the contractor fails to commence the work as per award letter.
16. Some of the provisions of the contract are given below.
 - a) DEFECT LIABILITY PERIOD – Twelve months from the date of completion as certified by the authorized engineer.
 - b) MINIMUM VALUE OF WORK FOR THE INTERMEDIATE CERTIFICATE – Intermediate certificate for a lesser amount can be admitted for payment at the discretion of the Institute.
 - c) SECURITY DEPOSIT – An agreement shall be executed and 5% of the bid amount shall be kept as security deposit throughout the Defect Liability Period.

<i>Estimated Cost</i>	<i>Earnest Money</i>	<i>Performance Security</i>	<i>Duration of work</i>
₹21,56,101.00	₹43,122.00	@ 5% of tendered amount	45 days from the date of receipt of acceptance letter/submission of PG

- d) COMPENSATION – In the event of any delay in completion of the work beyond the scheduled period, the contractor shall pay an amount equal to one per cent of the total cost of work or such smaller amount as decided by Director of NISER (whose decision shall be final) as compensation to the institute, for every week that the work remains un-commenced or unfinished. Compensation to be paid shall not exceed ten per cent of the estimated cost of the total work as per award letter.
17. Stores to be issued: No material shall be issued by the Institute. The responsibility for arranging all materials from approved manufacturer as per award letter lies with the contractor.
18. There will be deduction of Tax from every RA bill and also from the final bill of the contractor at the rate prescribed by Govt. of India from time to time.
19. The successful bidder will be required to submit the names, qualifications and experiences of the supervising staff to be deployed for execution of the work. In case of any changes occurring during the course of execution of the said work, the same shall also be intimated by the bidder to the institute.
20. The tenderer should also submit the detail list of tools and plants/ machineries/ equipment, etc. that he proposes to place at the site of work.
21. The Contractor shall have to make his own arrangements for storage of materials required for execution of the work and NISER in any manner shall NOT be held responsible for the storage and safe custody of the said materials at work site.
22. Electricity will be supplied to the site of work at one point only if required and Contractor can do onward distribution with metering arrangement as per the requirement. Electricity charges; if any will be recovered from the Contractor's bill based on meter readings towards its consumption.
23. Before commencement of the work, the contractor has to submit the list of tools and plants brought to the site of work. No items other than the list submitted will be allowed to be taken out from the work site.
24. All the mandatory testing charges will be borne by the contractor.
25. Cost escalation in any manner whatsoever, will not be accepted for the said work, where in the stipulated period of completion of work is 18 (eighteen) months or less.
26. **The tenderer shall show all the original documents which he/she has furnished in the tender within two working days after opening of bid, else otherwise the bid of the tenderer will not be accepted.**
27. The work will be executed as per DAE works procedure under the supervision of Officer in-charge of NISER.



Registrar, NISER

LIST OF WORKS COMPLETED BY THE CONTRACTOR

Detail list of works, completed satisfactorily during last five years (minimum 3), the value of such completed works should be approximately of the same value or near to the value of the present work, for which tender is being submitted by the contractor to NISER.

Name of works	Location of site	Value of Work	Name of organization/ engineer in charge under whom the work is completed

N.B: The copy of work order and completion certificates from the organization may be attached.

DETAILED CREDENTIALS OF THE CONTRACTOR

Contractors shall fill this form and enclose it with the original copy of tender (Technical Bid)

Name of the Contractor: _____

Firm of the Contractor: _____

Telephone No. (Official): _____

Office Address: _____

Residential Address: _____

Is the firm limited? : Yes No

Give name and address of partners:

Name(s)	Address (s)
(a) _____	_____
(b) _____	_____
(c) _____	_____

Partnership deed *(Please enclose self-attested copy with the bid)*

Name of Bankers M/s _____

Power of Attorney *Please enclose attested copy/original Power of Attorney
in case of firm*

NAME AND ADDRESS OF PERSON HOLDING POWER OF ATTORNEY

Name _____

Address _____

Specimen signature, of persons holding Power of Attorney.
Registration particulars.

1. Registered with: _____
2. Registration No.: _____
3. Financial limit up to which registered: _____
4. Trade for which registered: _____
5. Details of BUILDING (if any): _____
6. Details of Furniture (if any): _____
7. Details of Electrification (if any): _____
8. Details of Sanitary: _____

TECHNICAL SPECIFICATIONS / COMPLIANCE SHEET

1. OEM authorization and Datasheets should be provided by the contractor.
2. The entire passive network should be tested before commissioning.
3. Five years of OEM Warranty to be provided for all equipment supplied.
4. All the passive components shall be from same make.
5. Certification from OEM of copper cabling as per EIA/TIA-568 latest standard shall be included in the scope of work.

Sl.	Item	Standard Make	Yes / No
1	CAT 6 Cables/Cords	Molex/Panduit/Commscope/Belden/Seimon	
2	Optical Fiber Cable	Molex/Panduit/Commscope/Belden/Seimon	
3	Network Switch	Cisco (to ensure compatibility with existing Campus LAN)	
4	Wi-Fi Access Point	Cisco (to ensure compatibility with existing Campus LAN)	
5	Network Rack	Panduit / Rital / President	
6	Network Accessories	Molex/Panduit/Commscope/Belden/Seimon	
7	DVR / NVR	Sony / Siemens / Zicom / Bosch / Honeywell	
8	Patch Panel	Molex/Panduit/Commscope/Belden/Seimon	

Sl. No.	General Specification	Yes / No Deviation if any
1	CAT 6 Cable: Supply, Laying, Testing and Commissioning of CAT 6 cable in provided PVC conduit for Wi-Fi access point from Controller to access point with termination on both ends complete as required.	
2	Information Outlet: Supply, Installation, Testing and Commissioning of UTP, Cat6 Information outlet (RJ45) with in-built shutter for protection from Dust including single port face plate & metal back box.	
3	1m & 2m CAT6 Patch Cord: CAT-6 patch cord – 1m and 2m (for rack as well as user side).	
4	PVC Conduit: Supply & Fixing of 25 mm. dia. medium duty ISI marked rigid PVC conduits as required.	
5	24-port Patch Panel: Patch Panel Cat 6 UTP RJ45 - 24 Port-Fully Loaded.	
6	28-port PoE Gigabit Switch: 28 port Switch (Cisco 2960x PoE+) 24 RJ45 ports + 4 combo 10/100/1000BASE-T/SFP ports L2 Gigabit Stackable Managed Switch loaded with 3 nos. Multimode SFP fibre modules and 1 no. Single Mode SFP Fibre module.	
7	6-core Single Mode OFC: Supply, Installation, Testing and Commissioning of 6-Core indoor 50/125 Single mode OM3- LSZH Unitube OFC.	
8	6-port LIU with SC duplex adaptor: Supply, Installation, Testing and Commissioning of 6 port LIU loaded with SC Duplex-Adaptor.	
9	1.5m SC Pigtail: Supply, Installation, Testing and Commissioning of SC pigtail, OM3, 50/125, 900 Micron.	
10	3m SC-LC duplex patch Cord: Supply, Installation, Testing and Commissioning of SC-LC, Duplex patch cord, OM3 50/125	
11	15U Floor-Mount Network Rack: Floor Mount 15U Network Rack Side Integrated with Front Glass Door, Rear Mesh Door, Castors, 2 Fans, PDU 6 Sock. 5 Amps, Tray , Cable Manager, Mounting Hardware Pkt Set of 20.	

12	Wi-Fi Access Point: Design, Supply, Installation, Testing and Commissioning of 802.11b/g/n/ac 2.4 GHz 2x2 MIMO Wi-Fi Access Point with necessary power supply arrangement and all necessary accessories as required to complete the job as defined in the specifications and drawings. (Make Cisco 2700) Wi-Fi Access Point must be compatible with Cisco 5508 WLAN Controller already installed at Data Centre of Computer Centre and will be used for PoE operation.	
13	Outdoor Dome Camera: Supply, Installation, Testing & Commissioning of IP Network TDN Low-Light IR Outdoor Dome Camera, 1/2.8" CMOS, 2 MP @30fps, triple stream, Min. Illumination required 0.01 lux @ F1.6 (colour), 120dB True WDR, Min. Pixels 1920x1080p, 2.7mm - 12 mm motorized focus & zoom lens, Backlight Compensation, Scene Adaptive Control, 3DNR, Privacy Mask, 3 IR LEDs Smart IR with up to 30m IR distance, H.264& MJPEG, PoE (802.3af) Class 3/ 12V DC/24VAC. IP 66, IK10, Having Operating temp range : -30°C to 60° C. Certifications: ONVIF Profile S compliant, UL, CE, EN, FCC & RoHS compliant.	
14	32-ch NVR with 4TB Storage: Supply, Installation, testing and commissioning of 32 channel Network Video Recorder - storage capacity recording all cameras at 4CIF resolution, H.264 compression and 12 fps/10fps for multi sensor cameras, lifetime Licensed software to support minimum of 64 cameras having base for fixing 4TB hard disk, H.264 profile, multicasting & Dual Streaming, ONVIF compliant, Linux based, Support 30 days Storage, RAID5 Storage to optimize reliability.	
15	4TB HDD: Supply, Installation, Testing and Commissioning of 4TB Hard disk (Storage capacity considering 15 days)	
16	55" FHD LED TV: Supply, Installation, Testing and Commissioning of 55" full HD LED flat TV as per specification.	

MEASUREMENT AND RA/FINAL BILL

1. The contractor shall submit his running and final bills with detail measurement for the purpose of payment & bills shall be processed by the various offices for payment, as per existing procedure. He has to sign the MB Book as an acceptance to the measurements carried out by the engineer in charge of NISER, based on which the RA/Final Bill shall be generated for payment.
2. The contractor shall extend all possible co-operations for checking the measurement. Decision of the staff in charge of NISER shall prevail. In case of any dispute, the final decision lies with the Director of NISER, which shall be binding on both the parties.

OTHERS

If, the contractor has to remove/dismantle any old, damaged wiring & fixtures etc. for the purpose of execution of the said work, the same shall be deposited with NISER Stock Yard along with the list of materials under intimate to the concerned staff in-Charge. No extra payment will be made by the institute for this purpose.

Signature of the Tenderer with seal



FINANCIAL BID





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NIT No.: NISER/CC/2018-19/013

Dated: 14.11.2018

Supply, Installation, Testing and Commissioning of IT infrastructure at Auditorium Complex.

SCHEDULE OF QUANTITIES AND SERVICES/LABOUR CHARGE

Sl No.	Description	Unit	Qty.	Unit Price in INR (Incl. GST)	Amount in INR
<i>Materials</i>					
1	Wi-Fi Access Point	Each	9		
2	28-port PoE Gigabit Switch	Each	3		
3	15U Floor-Mount Network Rack	Each	2		
4	Outdoor Dome Camera	Each	12		
5	32-ch NVR with 4TB Storage	Set	1		
6	4TB HDD	Each	1		
7	55" FHD LED TV	Each	1		
8	CAT 6 Cable	Metre	1680		
9	CAT6 UTP 1 metre LSZH Patch Cord	Each	50		
10	CAT6 UTP 2 metre LSZH Patch Cord	Each	8		
11	6-core Single Mode OFC	Metre	420		
12	24-port Patch Panel	Each	3		
13	PVC Conduit	Metre	1075		
14	6-port LIU with SC duplex adaptor	Each	5		
15	Information Outlet	Each	29		
16	1.5m SC Pigtail	Each	42		
17	3m SC-LC duplex patch Cord	Each	18		
<i>Services</i>					
18	CAT6 Cable Laying through Conduit	Metre	1680		
19	OFC Laying (indoor) through Conduit	Metre	420		
20	Fixing of Patch Panel	Each	3		
21	I/O Termination and Fixing	Each	29		
Grand Total (Including Taxes)					

(Rupees _____ Only)

Signature of Tenderer with date & address