

NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

Silchar – 788 010 (ASSAM)

No: NITS/PS-664/ECE/Equip/IP&CV Lab/19

Date: 14/03/2019

NOTICE INVITING TENDER

FOR SUPPLY AND INSTALLATION OF EQUIPMENT FOR IP&CV LAB, ECE
DEPARTMENT AT NIT SILCHAR



LAST DATE & TIME OF SUBMISSION : 05/04/2019 up-to 01.00 PM

DATE & TIME OF OPENING : 05/04/2019 at 03.30 PM



NATIONAL INSTITUTE OF TECHNOLOGY
SILCHAR - 788 010

Tel.No. Director: (03842) 224879

Fax: (03842) 224797

NOTICE INVITING TENDER

No: NITS/PS-664/ECE/Equip/IP&CV Lab/19

Sealed Tenders are invited from reputed Firms/Agencies/Manufacturer/Authorized Dealer FOR SUPPLY AND INSTALLATION OF EQUIPMENT FOR IP&CV LAB, ECE DEPARTMENT AT NIT SILCHAR along with Earnest Money Deposit (EMD) @2% of the total bid value in the form of Demand Draft/Bank Guarantee in favour of "The Director, NIT Silchar", Payable at Silchar. No Interest shall be paid on EMD at the time of return. Bidders registered as NSIC/SSI/MSME are exempted. Necessary Certificate in support must be furnished where applicable.

Detail specification of required item/items are given in (Annexure-A).

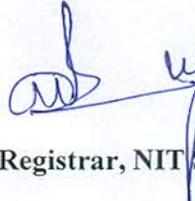
Tender document can be obtained from Purchase Section, NIT Silchar or may be downloaded from our website www.nits.ac.in or <http://eprocure.gov.in>. The cost of tender document is Rs.1,000/- (Non-refundable) to be submitted in the form of DD in favour of The Director, NIT Silchar-788010, Payable at Silchar. The last date and time for submission of Tender document will be 05/04/2019 up-to **01.00PM** and tender (technical bid) will be opened on the same date at **03.30 PM** in office of HOD, ECE Dept., NIT SILCHAR. Price bid of technically qualified bidders only shall be opened in a later date with prior intimation.

The offers without Cost of Tender & Earnest Money Deposit (EMD) shall out rightly be rejected.

Director, NIT Silchar reserves the right to extend the date or cancel the tender, accept or reject any/all tenders or not to purchase all or any of the items.

Tenders are to be sent/submitted in sealed covers addressed to:-

The Faculty-In-Charge, Purchase
National Institute of Technology, Silchar-788 010, Cachar, Assam
Email : purchasecell.nits@gmail.com


Registrar, NIT Silchar

NOTICE INVITING TENDER

Credential Criteria:

- The bidder should have provided similar nature of services to IITs/NITs/Govt. Departments/Semi Govt. Departments/PSU/Educational Institutions of National Importance etc. during last 3(three) years. **Duly certified copies are to be enclosed.**
- Tender/Quotations are to be submitted in **TWO PARTS** i.e. **(a) Technical Bid and (b) Price Bid**, in two separate properly sealed covers; and both these covers will have to be again put in to a single sealed cover. Also, the full address of the firm submitting the tender/quotation must appear distinctly with PIN on both the inner sealed covers, indicating also **TECHNICAL BID/ PRICE BID** as may be applicable. The outer most cover shall be super scribed as
 - “**QUOTATION FOR SUPPLY & INSTALLATION OF**FOR
..... **NIT SILCHAR.**
 - **VIDE TENDER REF NO NITS/PS-....., DATED.....**
 - **DATE OF OPENING**

[The bid will summarily be rejected & returned to the bidder if the sealed envelope containing the quotation is not super scribed as above].

- **Genuine Pricing** (Both foreign & indigenous) :Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold recently, particularly to IIT/Institutes and other Government Organization.
- **No Part Delivery:** Part shipment for any items will not be allowed.
- **Any Optional item quoted by the supplier will not be entertained.**
- **Termination for default :** Default is said to have occurred -
- If the supplier fails to deliver any or all of the items/services within the time period(s) specified in the purchase order or any extension thereof granted by NIT Silchar, the Institute may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable.

TERMS & CONDITIONS:

1. The bidding agency should be reputed firm and having all necessary certificates, viz. GST registration certificate, PAN, Registration, Sale Tax clearance Certificate, Authorized Dealership/Distributorship certificate, etc. The photocopies of all the certificates should be attached with the tender.
2. The firm should be an original equipment manufacturer (OEM) in the business of manufacture or supply of equipment for minimum 3-5 years. The firm should submit audited financial statements for latest three financial years in support of this claim.
3. The items being quoted should be of Original Manufacturer and no non-standard item should be quoted. All detailed specifications with make & model no. of the items accompanied by proper leaflets should be clearly mentioned and attached with the offer. In case of **proprietary** or **patented** item, necessary certificates in support of the same should be attached. The bidder must submit the Compliance Statement and Deviation Statement of technical specification.
4. The firm should have satisfactorily manufactured or supplied equipment, as requisitioned in this tender, to IITs/NITs/Govt. Departments/Semi Govt. Departments/PSU/Educational Institutions of National Importance etc. during the last 3(three) years ending the last day of March 2018.
5. **The rate quoted must be both in words and figures and F.O.R. / Destination National Institute of Technology Silchar -788010, Assam inclusive of all charges i.e. packing, forwarding, octroi, surcharge, insurance, installation, demonstration and other charges if any. Educational discount, if any should be indicated clearly. Tenderer(s) may note that the Government of India exempts this Institute from paying custom duty/excise duty. Charges of Custom Duty (after concession as per govt. of India), IGST, Custom Clearance without any fine /demurrage/ penalty shall be paid by the Institute on actual basis subject to submission of original supporting bill/ vouchers. Necessary**

documentation like DSIR, CDE, GST Concession Certificate, Declaration Certificate, Authorization letter regarding transportation of cleared consignment up-to NIT Silchar shall be provided by the Institute on submission of Order Acceptance and Proforma Invoice. Necessary documents will be furnished if required on demand by the Tenderer(s). Rate quoted for any other destination shall not be accepted and the bid will summarily be rejected. All the CUSTOM CLEARING ISSUES and delivery of ordered items up-to destination i.e. NIT Silchar must be handled by the Supplier only.

6. **Quoted rate should be inclusive of all taxes. Nothing extra will be paid by the Institution. If there is any increase / decrease of statutory taxes will be reimbursed accordingly.**
7. **Payment: Payment 100% shall be made only after receipt of ordered items as per specification and quantity and after successful installation, demonstration, training (where applicable) and commissioning.**
 - **Payment: In connections to foreign items payment shall be made through wire transfer / irrevocable Letter of Credit (90% through LC and 10% after receipt of ordered items as per specification, quantity, successful installation, demonstration, training (where applicable) and commissioning).**
8. Manufacturer's/Company's name, it's trademark should be mentioned in the tender and illustrative leaflets giving technical particulars, etc. should be attached in the tender.
9. Tenderer(s) registered with the State/Central Government must quote his registration numbers, if any, and submit a xerox copy of registration along with the tender.
10. Guarantee/Warranty period offered for the tendered item is to be clearly specified.
11. The rates to be quoted by the agency should be valid for a period of **6(six) months** after the deadline date specified in the tender.
12. The quantity against each item mentioned in the tender may vary according to the actual requirements at the time of placing Purchase Order.
13. **Each bidder should clearly specify that the bidder agrees to abide by the conditions of this tender document on their printed letter head duly sealed & signed by an authorized person.**
14. **Bid Price**
 - a) **The contract shall be for the full quantity as described above. Corrections, if, shall be made by crossing out, initialing dating and rewriting.**
 - b) **The bidder should quote the total price for each item inclusive of packing and forwarding, all duties, levies, insurance, installation, demonstration and any other charges, etc. only taxes & (discount if any) should be mentioned/shown separately.**
 - c) **The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.**
15. Each bidder shall submit only one quotation.
16. All necessary documents shall be furnished along with the bid.
17. **Validity:** Tenders/Quotations shall remain valid for a period not less than **6 (six) months** after the deadline date specified for submission of tender.
18. **Packing**
 - a) The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall have to be taken into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
 - b) The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements.
19. **Evaluation of Quotations :**

NIT Silchar will evaluate and compare the tender/quotations determined to be substantially responsive i.e. which

- a) are properly signed
- b) Conform to the terms and conditions, and specifications.

20. **Award of contract:**

NIT Silchar will award the contract to the bidder whose tender/quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- a) The bidder whose bid is accepted will be notified of the award of contract by the NIT Silchar prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
- b) Normal commercial warranty/guarantee shall be applicable to the supplied goods.
- c) The goods (both indigenous & imported) should be insured against theft, loss or breakage during transit till destination.
- d) Upon delivery of goods, the supplier shall submit Suppliers Invoice, Insurance certificate, Warranty Certificate, Installation Certificate, Performance Bank Guarantee (where applicable) or any other document as required/demand.

21. **Acknowledgement of the Purchase Order:** The supplier shall give an acknowledgement of the Purchase Order within 15(fifteen) days of the date of the Purchase Order. In case, the supplier fails to acknowledge the Purchase Order within the stipulated time, the Institute is at liberty to cancel the Purchase Order.

22. No alternations in tender forms shall be made by the bidder and if any such alteration is made, the tender is liable to be rejected.

a) Delivery Schedule and Penalty for Delay: Delivery of equipment should be made **within 30(thirty) days OR as per terms and condition of Purchase Order** from the date of issue of Purchase Order. **Penalty at the rate of 0.5% or part thereof of the order value per week, subject to a maximum of 2.5% will be imposed for delayed delivery and installation.**

23. **Demurrages and penalty, if any, paid by the supplier shall not be borne by the Institute.**

24. The tenders submitted shall clearly mention the name of the firm/person in whose favour the purchase order is to be placed.

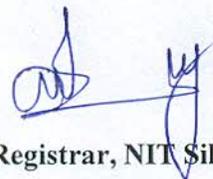
25. Contact details of the person for all post sales/installation maintenance support should clearly be given with **Name & Designation, Phone No, Fax No, Mobile, E-mail and official address.**

26. National Institute of Technology Silchar is not liable for non-receipt of the tender forms in time due to wrong address/ any delivery delay of the mail service provider/ force majeure. Tender documents received after the last date and time for receiving tenders will be summarily rejected.

27. **Successful bidder shall give a performance security @10% or (as per Purchase Order) of the total order value in the form of Bank Guarantee.** The performance security shall be furnished along with the Bill / Invoice after the order for supply is placed and before the final payment. Validity of the Performance Security shall cover the warranty period.

- The proceeds of the Performance Security shall be payable to the purchaser as compensation for any loss resulting from the suppliers failure to complete its obligations under the contract.

28. All legal disputes shall be under the jurisdiction of the Silchar Courts of Cachar District in the state of Assam.



Registrar, NIT Silchar

DECLARATION

I / We hereby declare that no case is pending with the police/ court against the proprietor/ firm/ partner or the company (Agency). Also I /We have not been suspended / blacklisted by any PSU / Government Department / Financial Institution / Court.

(Signature & seal of the contractor)

Place:

Date:

NO DEVIATION CERTIFICATE

Notwithstanding anything mentioned in our bid, we hereby accept all the terms and conditions of this tender and we do not have any deviation to this tender enquiry. We hereby undertake and confirm that we have understood the scope of work properly and shall be carried out as mentioned in this tender enquiry.

(Signature & seal of the contractor)

Place:

Date:

BIDDERS DETAILS

Name of the Contractor /Party/ Firm	:	
Name of Authorized Representative	:	
Phone Nos.	:	
Mobile Nos.	:	
Fax No.	:	
E-Mail Address	:	
Web Site Address (If Any)	:	

(Signature & seal of the contractor)

Place:

Date:

CHECK-LIST (TECHNICAL BID)

SUMMARY OF COMPLIANCE TO REQUIREMENT OF TENDER

Sl. No.	Description of Requirement	Yes / No / NA	Page No.
1.	Tender Cost Rs.1000/- (Non-refundable) in the form of Demand Draft in favour of "Director, NIT Silchar" in a separate envelope		
2.	EMD @2% of total bid value in the form of Demand Draft /Bank Guarantee in favour of "Director, NIT Silchar" in a separate envelope		
3.	Copy of Manufacturer/ Authorized Supplier Certificate		
4.	Audited financial statement for the last 3 years		
5.	Copy of the PAN card.		
6.	Copy of GST registration certificate		
7.	Copies of previous work order of similar work with completion certificate (if any)		
8.	Declaration certificate		
9.	No Deviation certificate		
10.	Bidder's details		
11.	Technical Specification		
12.	NSIC/SSI/MSME Certificate where applicable		
13.	All the pages of tender document have been signed		
14.	Price bid in separate sealed envelope.		
15.	Complete copy of Techno Commercial Bid submit along with the Price Bid.		

(Signature & seal of the contractor)

Place:

Date:

Item with Technical Specification

Sl. No.	Specification of Articles	Number/Quantity Required
1.	EEG signal detector	1
2.	Ophthalmoscope	1
3.	Optical Character Recognition camera	1
4.	GPU Server Model	1
5.	Fingerprint sensor	1
6.	Kinect camera	1
7.	DSLR Camera	1
8.	Camera Tripod	1
9.	ECG Signal Detector	1

Detailed Technical Specification with required quantity
Name of the Lab.: Speech and Image Processing Laboratory

Item No	Specification of Articles	Number/Quantity Required	Specifications
1	EEG signal detector	1	<p>Hardware:</p> <ol style="list-style-type: none"> 1. Number of EEG Channels should be 32 with color coding. 2. Artifact free recording in any environment 3. LED based photic stimulator Reports can be emailed or transferred across a network 4. EEG synchronous Video Recording 5. Facility for simultaneous sampling of all EEG channels and multiple sampling rates. 6. Standard accessories to include the patient cable and connectors with electrodes and Papers for at least 1000 EEG Exams and all the necessary power cables and other interfaces. <p>Technical Specifications:</p> <ol style="list-style-type: none"> 1. 32 Channel Amplifiers needed. 2. CMRR should be > 110 dB or better 3. Noise < 2uV peak to peak 4. Input Impedance > 100 Mohm 5. 16 bit ADC resolution voltage of 0.153 uV 6. Low filter adjustable between 0.16 to 5 Hz. 7. High Filter Adjustable between 50 to 100Hz. 8. Notch Filter Adjustable to softwares. 9. Acquisition Sensitivity from 1 microvolt per mm to 2000 microvolt per mm. 10. Networking facility 11. Manufactures/Supplier should have ISO certificate to Quality Standard. 12. Network supported patient and test management software, archive to CD or DVD, powerful search, patient folder, workspaces. 13. Compatible with Laser Printer. 14. Performance warranty of at-least one year from date of installation + additional two years comprehensive warranty, -In case of breakdown of the machine, the supplier shall make the machine functional by repair (including replacement of parts) free of cost at the user site, within 3 (three) days of the receipt of complaint, or replace the machine (if necessary). <p>Warranty: 3 years</p>
2	Ophthalmoscope (Fundus camera)	1	<p>Welch Allyn PanOptic LED Ophthalmoscope without Power Handle - 3.5V, Without Power Handle, 5X Larger View, 3.5 V Power Sources, Dynamic Focusing Wheel</p> <p>Fixation targets: External</p> <p>Memory: 4GB</p>

			<p>FOV: 40 dEGREES Display: 2.4" TFT-LCD Camera sensor resolution: 5 MP CMOS sensor Minimal pupil dialation: 40 Degrees Image and video format: JPEG, DICOM; MPEG-4/MPEG-1 Dimensions: 82.30 (w) x 166.50 (h) x 66.50 (d) mm, 400 g Type of Imaging: Non Mydriatic / Mydriatic Fundus Imaging USP: Portable & Non Mydriatic Fundus Imaging Imaging modes: White/ IR / Red free imaging Power supply: Rechargeable Ni-MH Battery Focus Range: Manual from -20 to +20 D Auto focus AF assist from – 11 to +3 diopters Fixation targets: Portable & Non Mydriatic Fundus Imaging Image viewer and archive: MediBilder client software with DICOM & HL7 along with cloud storage Dimensions Camera: 82.30 (w) x 166.50 (h) x 66.50 (d) mm 400 g Optics for Fundus Imaging: 132.10 (h) x 55.20 (d) mm 180 g Minimum pupil 3mm Image Resolution 1920 x1080 Pixels Screen 3.5 inch color Power 6 V Weight2.5 kg Warranty: 3 years</p>						
3	Optical Character Recognition camera	1	<p>Lightning fast portable OCR with feature rich OpenBook. Connects to a single USB port - no battery or external power supply required. Convert printed text to human-like speech in seconds. Scan 20 pages per minute while reading. Scan bound books and maintain pagination. Supporting semi-live video mode for orientation and magnification without the need to take a picture. Wrap the text to fill the screen. Exports to other applications like Microsoft Word or Notepad. Create MP3 or WAV files. Convert OpenBook files into Grade II Braille formats. Read Daisy files from Bookshare.org. Folds to a compact 350 x 75 x 55 mm package. Compatible with Windows XP, Vista, Windows 7, and Windows 8.</p>						
4	GPU Server	1	<table border="1"> <thead> <tr> <th>Particulars</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td>GPU (nvidia GE Force)</td> <td>CUDA Cores 3072, Base Clock 1000 MHz, Memory Clock 7.0 Gbps, Maximum Digital Resolution 5120 x 3200</td> </tr> <tr> <td>CPU Intel X – Series</td> <td>Core i9 , 7980XE 18 Core Extreme Edition FCLGA2066</td> </tr> </tbody> </table>	Particulars	Specification	GPU (nvidia GE Force)	CUDA Cores 3072, Base Clock 1000 MHz, Memory Clock 7.0 Gbps, Maximum Digital Resolution 5120 x 3200	CPU Intel X – Series	Core i9 , 7980XE 18 Core Extreme Edition FCLGA2066
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			Mother Board	GIGABYTE X299 AORUS MASTER LGA 2066 Intel X299 SATA 6Gb/s USB 3.1 Extended ATX Intel Motherboard
			RAM	2 x 64 Gb , Corsair Vengeance LPX DDR4 2400MHz
			Liquid Cooler	DEEPCOOL Captain 360EX RGB White, AIO Liquid CPU Cooler, Synchronous RGB Water block and 2 LED Strips Controlled by Cable Controller or Motherboard, 3×120mm PWM Fans, AM4 Compatible, 3-Year Warranty
			Hard Disk Drive ssd	Seagate 500 GB Barracuda SATA Internal Solid State Drive
			Hard disk drive SATA	2TB Seagate Barracuda 2TB 3.5-inch Internal Hard Drive (ST2000DM006)
			SMPS	Seasonic 750W 80 PLUS Titanium ATX12V Power Supply with Active PFC F3 SSR-750TD
			Deep Cool Cabinet	Deepcool MATREXX 55 Mid Tower Computer Case with Dual Tempered Glass and RGB Lighting System
			Cooling Fan	DEEPCOOL RF 120 Cooling Fan
			Onsite Warranty	At-least 3 year
5	Fingerprint sensor	1	<p>Hardware :</p> <p>Finger print sensor module</p> <p>Technical specifications:</p> <p>Fingerprint sensor type: Optical</p> <p>Sensor Life: 100 million times</p> <p>Interface: USB1.1/UART(TTL logical level)</p> <p>RS232 communication baud rate: 4800BPS~115200BPS changeable</p> <p>Image Capture Surface 15—18(mm)</p> <p>Verification Speed: 0.3 sec</p> <p>Scanning Speed: 0.5 sec</p> <p>Character file size: 256 bytes</p> <p>Template size: 512 bytes</p> <p>Storage capacity: 250</p> <p>Resolution 500 DPI</p> <p>Voltage :3.6-6.0 VDC</p> <p>Operating Environment Temperature: -20 to 45° centigrades</p> <p>Warranty: 3 years</p>	
6	Kinect camera	1	<p>Brand Microsoft</p> <p>Model Xbox One Kinect Sensor + Adapter for XBOX One S & Windows</p>	

7	DSLR Camera	1	Nikon D5300 24.2MP Digital SLR Camera (Black) with AF-P 18-55mm f/ 3.5-5.6g VR Kit Lens, 16GB Card and Camera Bag
8	Camera Tripod	1	Vanguard Espod CX 203AP Tripod Kit (Black, Supports Up to 3500 g) Designed For: Advanced Point & Shoot Camera, DSLR/SLR Camera Load Capacity: 3500 g Height Range: 1200 mm - 1550 mm Number of Leg Sections: 3 Material: Aluminium Bubble Level Type : Single Bubble Level Head Type : Pan Head Quick Release Plate : 1/4"-20 Mount Leg Lock Type : Quick Flip Other Features : Load Capacity- 3.5 kg, Maximum Working Height-61" / 154.9 cm, Minimum Working Height-47.3" / 120.1 cm, Folded Length -22" / 55.9 cm, Leg Lock Type -Flip Lock, Independent Leg Spread- Yes, Leg Sections - 3, Center Column Sections- 1, Center Column Extension Type-Rapid Dimensions Weight 1100 g Folded Length 575 mm Leg Diameter 20 mm Warranty Warranty Summary 1 Years Vanguard India Warranty
9	ECG signal detector	1	Hardware: 1. Simultaneous 12 Channel ECG recording with 12 lead simultaneous acquisition 2. The machine should be supplied with • power cord , patient cable, user manual and warranty card, Operation Manual with user demonstration video CD, interpretation manual & 10 thermal recording paper rolls , 5 bottles of jelly, Two sets each of : • patient cable • chest electrodes – Both adult and paediatric (2 sets each) • limb electrodes – Both adult and paediatric (2 sets each) Technical Specifications : 1. Compatibility with mains 220-240 V (normal), 50/60 Hz power supply Digital filtering to remove interference from power line, muscle tremor etc. 2. Recording speed selection of 25 mm/ sec and 50 mm/ sec with facility for speed selection 3. Automatic adjustment of baseline for optimal recording Should have different filters like Baseline Filter, EMG Filter & AC Filter Multiple operating modes -automatic, manual and rhythm 4. Common Mode Rejection Ratio >90dB 5. Built-in ECG auto-measurement including: HR, P-R interval, P-Duration, QRS duration, Q-T interval, Q-TcF (Friedericia), P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1) -QTcF interval reading/ measurement should also be available with Limb leads alone . 6. Facility to send ECG report via e-mail 7. Economical standard A4 printout 8. Performance warranty of at-least one year from date of installation + additional two years comprehensive warranty, -In

			case of breakdown of the machine, the supplier shall make the machine functional by repair (including replacement of parts) free of cost at the user site, within 3 (three) days of the receipt of complaint, or replace the machine (if necessary). Warranty: 3 years
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