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एन.एच.एन.एन.आई.टी. अलहाबाद
 इलाहाबाद-211004 (भारत)
Motilal Nehru National Institute of Technology Allahabad
 Allahabad-211004 (India)
 An Institute of National Importance as Declared by NIT Act, GOI, 2007

INVITATION FOR SUPPLY OF LABVIEW AND PXI BASED GENERAL DATA ACQUISITION SYSTEMS
(For Contracts value estimated to cost less than Rs.25 lakhs)

1	Closing Date/Time for submission of Quotations	18/12/2014; 15:00 Hrs.
2	Opening Date/Time of Quotations	18/12/2014; 15:30 Hrs.
3	Quotations to be submitted at	The Office of Faculty-In-charge (Purchase) M.N.N.I.T. Allahabad, Allahabad-211 004 (U.P.)
4	Place of opening of quotations	The Office of Faculty-In-charge (Purchase) M.N.N.I.T. Allahabad, Allahabad-211 004 (U.P.)
5	Tender Fee	Rs. 200.00 (Non-refundable), in form of a Demand Draft drawn in favor of DIRECTOR, MNNIT Allahabad.
6	Earnest Money Deposit (EMD)	Rs. 53,000/- (Rs. Fifty three thousand only) , in form of FDR/Bank guarantee, from any of the Commercial Banks, drawn in favour of "Director, MNNIT Allahabad" payable at Allahabad, and valid for a period of 45 days beyond the final bid validity period

To,

Dear Sir

You are invited to submit your most competitive quotation for the following items. The quotation should be sent directly to the undersigned under Sealed Cover marked "Quotation Reference No., Date", and "The Due Date:

Sl. No.	Description of item with Specification	Quantity
1.	Labview and PXI Based General Data Acquisition Systems	01 No.
2.	Thermocouple sensors (K-type thermocouple sensor with 2 meter extended wire: 04 nos. and T-type thermocouple sensor with 2 meter extended wire: 04 nos. compatible to the Data acquisition system	4+4 No.
3.	LabVIEW full development system license with one (Detailed specifications attached at Annexure-B)	01 No.

The sealed tenders must be submitted in the Office of the Faculty In-charge (Purchase), on or before **due date & time as mentioned above** in the office of the undersigned, in the presence of bidder's authorized representatives, who choose to attend and shall sign a register evidencing their attendance.

The tender/quotations NOT submitted in the prescribed format or Incomplete in any respect will be outrightly rejected.

Faculty in-Charge, Purchase
MNNIT Allahabad

GENERAL TERMS & CONDITION (GCC)

1. **Bid Price:**
 - (a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
 - (b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
 - (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.
 - (d) The prices should be quoted in Indian Rupees only for indigenous items. For items/imported items, the prices should be quoted in foreign currency.
 - (e) Each bidder shall submit only one quotation.
2. **Validity of Quotation:**

Quotation shall remain valid for a period not less than **120 days** after the deadline date specified for submission.
3. **Evaluation of Quotations:**
 - (a) The purchaser will evaluate and compare the quotations determined to be substantially responsive, i.e., which
 - (i) are properly signed; and
 - (ii) conform to the terms and conditions, and specifications.
 - (iii) will be with tender fees, and EMD required, if any.
 - (b) The Quotations would be evaluated separately for each item.
4. **Award of Contract:**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

 - Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
 - The bidder whose bid is accepted will be notified for the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order if falls under Govt. purchase rules, i.e., GFR-2005
5. **Formats and Signing of Bid:**
 - Each & every pages of the submitted bid must carry the page numbers.
 - The bidders are not allowed to make additional and alteration in the tender document, any additions and alteration in the tender document, any additions and alterations shall be at bidder's risk. Conditional/modified tender are liable to be rejected.
 - The tender/quotations NOT submitted in the prescribed format or Incomplete in any respect will be outrightly rejected.
 - If the bid submitted without compliance sheet details of items the bid will be outrightly rejected.
 - The bid shall be typed or written in indelible ink and shall be signed by the Bidder/Tenderer or a person or persons duly authorized to bind the Bidder/Tenderer to the Contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.
 - Any interlineations, erasure or overwriting shall be valid only if they are initiated by the persons or persons signing the bid.
 - The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.
6. **Payment condition:** 100% Payment shall be made only after satisfactory delivery of items in good condition and receive satisfactory report by competent authorities after completion of the works. Advance payment is not permitted.
7. Normal Commercial warranty/ guarantee shall be applicable to the supplied goods.

INSTRUCTIONS/GUIDELINES TO BIDDERS (ITB)

1. Bidders who had supplied the Government departments, PSUs/NITs/IITs/IIITs and reputed Institutions and Organizations should only apply.
2. The bidder should enclose the contact list with contact address along with Phone/Fax for reference, for the quoted item.
3. Please quote the prices of F.O.R. Motilal Nehru National Institute of Technology Allahabad, Allahabad.
[NOTE: Custom/Excise Duty Exemption Certificate will be provided by MNNIT Allahabad after receiving your request letter for the same.
 - **MNNIT Allahabad avails Custom Duty Exemption in terms of Government Notification N. 51/96-Customs dated 23 July, 1996, and Central Excise Duty Exemption in terms of Government Notification N. 10/97-Central Excise dated 01 March, 1997, as amended from time to time.**
4. The Bidders are requested to submit their Quotation with EMD in the form of Demand Draft/ Bank Guarantee/ Short term Deposit of the cost of items in favor of "The Director, MNNIT, Allahabad" payable at Allahabad. Quotation without EMD will be summarily rejected. EMD's of all Bidders will be returned back after the purchase order /contract agreement is issued to successful bidder.
5. Successful Bidders must have to submit the performance security @10% of the purchase order or contract value and it will be retained up to the warranty period.
6. The bidder should enclose relevant documents wherever necessary to substantiate his eligibility.
7. The Institute is eligible for and can provide necessary documentation for Custom/Excise and Octroi exemption on demand, if permitted under rule.
8. Motilal Nehru National Institute of Technology Allahabad, Allahabad, reserves the right to reject, accept any or whole or part of any of the tender without assigning any reason thereof and no claim will be heard. In case of dispute, the decision of The Director, MNNIT, and Allahabad will be final and binding.
9. If the successful bidder is not able to supply the goods items within the delivery date specified in the purchase order, the purchase order will be automatically treated as cancelled after expiry of delivery date period. The vendor will have to submit an undertaking in this regard that this condition is acceptable to him. In case of extra ordinary circumstances the vendors must send a request for extension of validity of purchase orders, with proper justification prior to the expiry of validity date for consideration.
10. In case of sophisticated items, an on-site training needs to be provided with no extra cost.
11. The quotation must be accompanied by leaflets/operation manuals/books etc.
12. Wherever applicable the vendors must quote the branded /desired items.

CHECK LIST
(ON THE LETTER HEAD OF THE BIDDER)

The Bid will be the compilation of following documents, along with required supporting documents. No document in support of minimum eligibility criteria will be accepted / entertained after opening of tender.

Sl. No	Documents
1.	Cover letter by bidder (On the Letter Head of the Bidder)
2.	Tender Fee
3.	Earnest Money Deposit (EMD), if required
4.	Cliental List for quoted item
5.	Annexure-A : Bid Proposal Sheet (On the Letter Head of the Bidder)
6.	Annexure-B : Technical Specifications of Equipment (On the Letter Head of the Bidder)
7.	Annexure-C : Compliance of bidder with reference to the equipment (On the Letter Head of the Bidder)
8.	Annexure-D : PRICE BID (On the Letter Head of the Bidder)
9.	Annexure-E : PROFORMA FOR DIRECT PAYMENT/TRANSFER TO BANK ACCOUNT BY MNNIT ALLAHABAD

ANNEXURE-A

BID PROPOSAL SHEET
(ON THE LETTER HEAD OF THE BIDDER)

To
Faculty In-charge (Purchase)
MNNIT Allahabad, Allahabad

Subject: Supply of "Labview and PXI Based General Data Acquisition Systems" at MNNIT Allahabad, Allahabad.

Dear Sir,

We, the undersigned Tenderers, having read and examined in detail the specifications as specified in this document in respect of Supply of **Labview and PXI Based General Data Acquisition Systems** at MNNIT Allahabad, Allahabad do hereby propose to supply the required products and services.

Tender No.				
Tender Fees submitted		YES / NO (Please strike off whatever is not applicable)		
Amount	Mode	Date of Issue	Name of Bank	Valid up to
	Demand Draft			
EMD submitted		YES / NO (Please strike off whatever is not applicable)		
Amount	Mode	Date of Issue	Name of Bank	Valid up to
	Demand Draft			

- (i) **ADDITIONAL PURCHASE/WORK ORDER:** We understand that the MNNIT Allahabad, Allahabad, in case of the requirements may also place repeat purchase order/work order on the company. In such cases, we shall accept and execute all the purchase/work order placed on us by MNNIT Allahabad, Allahabad.
- (ii) **BID PRICING:** We further declare that the prices stated in our proposal are in accordance with your Terms & Conditions in the bidding document. We further understand that the quantities as specified in this Tender may increase or decrease at the time of Award of Purchase Order as per the requirements of MNNIT Allahabad, Allahabad.
- (iii) **QUALIFYING DATA:** We confirm that we satisfy the qualifying criteria and have attached the requisite documents as documentary proofs. In case you require any further information/documentary proof in this regard during evaluation of our bid, we agree to furnish the same in time to your satisfaction.
- (iv) **CONTRACT PERFORMANCE SECURITY:** We hereby declare that in case the contract is awarded to us, we shall submit the performance Guarantee Bond in the form of Bank Guarantee for the amount of 10% of the total order value.
- (v) **PAYMENT TERMS:** We hereby declare that in case the contract is awarded to us, we agree with payment terms specified in the tender documents.
- (vi) **CERTIFICATE AND DECLARATION:**
 - a) I/We certify that no addition/modification/alteration has been made in the Original Tender Document. If at any stage addition /modification /alteration is noticed in the Original Document, I/We will abide by the terms and conditions contained in the original tender document, failing which MNNIT Allahabad reserves the right to reject the tender and/or cancel the contract
 - b) It has been certified that all information provided in tender form is true and correct to the best of my knowledge and belief. We hereby declare that our proposal is made in good faith, without collusion or fraud. No forged /tampered document(s) are produced with tender form for gaining unlawful advantage. We understand that MNNIT Allahabad is authorized to make enquiry to establish the facts claimed and obtained confidential reports from clients.
 - c) In case it is established that any information provided by us is false / misleading or in the circumstances where it is found that we have made any wrong claims. Further MNNIT Allahabad is also authorized to blacklist our firm/company/agency and debar us in participating in any tender/bid in future.
 - d) I / We assure the Institute that neither I /We, nor any of my /our workers, will do any act which is improper / illegal during the execution in case the tender is awarded to us.
 - e) I / We assure the Institute that I / We will NOT be outsourcing any work specified in the tender document, to any other firm.
 - f) Neither I / We, nor anybody on my /our behalf will indulge in any corrupt activities /practices in my /our dealing with the Institute.
 - g) Our Firm / Company / Agency is not been blacklisted or banned by any Govt. Department, PSU, University, Autonomous Institute or any other Govt. Organization.
 - h) I/We certify that, I have understood all the terms & conditions (GCC and ITB etc.), as indicated in enquiry of the tender document, and hereby accept all the same completely.
 - i) I/We, further certify that I/We, possess all the statutory /non-statutory registrations, permissions, approvals, etc., from the Competent Authority for providing the requisite services,
 - j) We understand that you are not bound to accept the lowest or any bid you may receive.
 - k) I/We hereby declare that this tender on acceptance communicated by you shall constitute a valid and binding contract between us.
 - l) I/We certify that the submitted quotation is duly paginated and contains from page no. 1 to

Date:

Signature and Seal of the Manufacturer/Bidder

Technical Specifications of 'Labview and PXI Based General Data Acquisition Systems'
(ON THE LETTER HEAD OF THE BIDDER)

Specification	Desired
PXI Controller: Minimum Processing Power	2.53 GHz Intel Core 2 Duo T9400 dual-core processor or more.
System Bandwidth	1GB/s
Slot Bandwidth	250MB/s
Memory	Minimum 1 GB (1 x 1 GB DIMM) 800 MHz DDR2 RAM standard, 4 GB maximum.
Ethernet	10/100/1000BASE-TX (Gigabit) Ethernet
I/O	4 Hi-Speed USB, GPIB, serial, and other I/O
Operating System	Windows OS and Drivers already installed, hard drive based recovery.
Data Acquisition System	modular in nature and have at least 4 hybrid slots, 3 PXI Express slots, 1 PXI Express system timing slot with a maximum of 420 W total power available from 0 to 55 °C and at least High performance - up to 1 GB/s per-slot dedicated bandwidth and 7 GB/s system bandwidth.
Analog Input Specifications	At least 80 Single Ended or 40 Differential Ended Analog Inputs in PXI modular form with following specifications.
Channels	80 , 40
Single Ended Channels	80
Differential Channels	40
Resolution	16 bits
Sample Rate	250 kS/s
Max Voltage	10 V
Maximum Voltage Range	-10 V - 10 V
Maximum Voltage Range Accuracy	3100 μ V
Maximum Voltage Range Sensitivity	97.6 μ V
Minimum Voltage Range	-200 mV - 200 mV
Minimum Voltage Range Accuracy	112 μ V
Minimum Voltage Range Sensitivity	5.2 μ V
Number of Ranges	4
Simultaneous Sampling	No
On-Board Memory	4095 samples
Bridge Based Analog Input Card	At least 24 bit Bridge Based Analog Input in PXI modular form with following specifications.
Channels	8
Single-Ended Channels	0
Differential Channels	8
Resolution	24bits
Sample Rate	25 kS/s
Throughput (All Channels)	200kS/s
Bandwidth	11kHz
Max Voltage	100mV/V
Maximum Voltage Range	-100mV/v-100mV/V
Minimum Voltage Range	-25mV/V-25mV/V
Simultaneous Sampling	Yes
Excitation Voltage	2 V , 5 V , 3.3 V , 2.5 V , 10 V
Bridge Configurations	Half Bridge , Full Bridge , Quarter Bridge
Temperature Input Module	At least 32 channels of Thermocouple Input Channels in PXI modular form with following specifications.
Channels	32
Single-Ended Channels	0
Differential Channels	32
Resolution	24 bits
Sample Rate	90 S/s
Throughput (All Channels)	2880 S/s
Bandwidth	67 Hz
Max Voltage	80 mV
Maximum Voltage Range	-80 mV - 80 mV
Simultaneous Sampling	No
Input Impedance	20 MOhm
Signal Conditioning	Cold-junction compensation , Open thermocouple
Product Certifications	ICES , CE , IEC , FCC , UL - Product Safety
Isolation Type	Bank Isolation
Measurement Type	Temperature, Thermocouple
Length	16 cm
Width	10 cm
channel-to-earth ground isolation	300 Vrms CAT II
LCD, Key Board Mouse	15 in LCD monitor with adjustable tilt, 1024 x 768 screen resolution, English keyboard and standard mouse. Should have a VGA video connection to PXI.
Thermocouple sensor	K type Thermocouple sensor with 2 meter extended wire (4 Quantities). T type Thermocouple sensor with 2 meter extended wire (4 Quantities).
Rack	Suitable Rack to house PXI chassis.
LabVIEW	LabVIEW Full Development System with one year upgrades.
Manuals/ Literature	In Convenient form(hardcopy/DVD).
Installation and Training	On-site installation by trained engineer with hands on training on site (one day).
Warranty	Minimum one year for all supplied items.
Payment Terms	100% payment only after delivery and satisfactory installation and training.

Technical Compliance of 'Labview and PXI Based General Data Acquisition Systems'
(ON THE LETTER HEAD OF THE BIDDER)

Specification	Desired	Compliance (Yes/No)	Quoted Make/Model
PXI Controller: Minimum Processing Power	2.53 GHz Intel Core 2 Duo T9400 dual-core processor or more.		
System Bandwidth	1GB/s		
Slot Bandwidth	250MB/s		
Memory	Minimum 1 GB (1 x 1 GB DIMM) 800 MHz DDR2 RAM standard, 4 GB maximum.		
Ethernet	10/100/1000BASE-TX (Gigabit) Ethernet		
I/O	4 Hi-Speed USB, GPIB, serial, and other I/O		
Operating System	Windows OS and Drivers already installed, hard drive based recovery.		
Data Acquisition System	modular in nature and have at least 4 hybrid slots, 3 PXI Express slots, 1 PXI Express system timing slot with a maximum of 420 W total power available from 0 to 55 °C and at least High performance - up to 1 GB/s per-slot dedicated bandwidth and 7 GB/s system bandwidth.		
Analog Input Specifications	At least 80 Single Ended or 40 Differential Ended Analog Inputs in PXI modular form with following specifications.		
Channels	80 , 40		
Single Ended Channels	80		
Differential Channels	40		
Resolution	16 bits		
Sample Rate	250 kS/s		
Max Voltage	10 V		
Maximum Voltage Range	-10 V - 10 V		
Maximum Voltage Range Accuracy	3100 μ V		
Maximum Voltage Range Sensitivity	97.6 μ V		
Minimum Voltage Range	-200 mV - 200 mV		
Minimum Voltage Range Accuracy	112 μ V		
Minimum Voltage Range Sensitivity	5.2 μ V		
Number of Ranges	4		
Simultaneous Sampling	No		
On-Board Memory	4095 samples		
Bridge Based Analog Input Card	At least 24 bit Bridge Based Analog Input in PXI modular form with following specifications.		
Channels	8		
Single-Ended Channels	0		
Differential Channels	8		
Resolution	24bits		
Sample Rate	25 kS/s		
Throughput (All Channels)	200kS/s		
Bandwidth	11kHz		
Max Voltage	100mV/V		
Maximum Voltage Range	-100mV/v-100mV/V		
Minimum Voltage Range	-25mV/V-25mV/V		
Simultaneous Sampling	Yes		
Excitation Voltage	2 V , 5 V , 3.3 V , 2.5 V , 10 V		
Bridge Configurations	Half Bridge , Full Bridge , Quarter Bridge		
Temperature Input Module	At least 32 channels of Thermocouple Input Channels in PXI modular form with following specifications.		
Channels	32		
Single-Ended Channels	0		
Differential Channels	32		
Resolution	24 bits		
Sample Rate	90 S/s		
Throughput (All Channels)	2880 S/s		
Bandwidth	67 Hz		
Max Voltage	80 mV		
Maximum Voltage Range	-80 mV - 80 mV		
Simultaneous Sampling	No		
Input Impedance	20 MOhm		
Signal Conditioning	Cold-junction compensation , Open thermocouple		
Product Certifications	ICES , CE , IEC , FCC , UL - Product Safety		
Isolation Type	Bank Isolation		
Measurement Type	Temperature, Thermocouple		
Length	16 cm		
Width	10 cm		
channel-to-earth ground isolation	300 Vrms CAT II		
LCD, Key Board Mouse	15 in LCD monitor with adjustable tilt, 1024 x 768 screen resolution, English keyboard and standard mouse. Should have a VGA video connection to PXI.		
Thermocouple sensor	K type Thermocouple sensor with 2 meter extended wire (4 Quantities). T type Thermocouple sensor with 2 meter extended wire (4 Quantities).		
Rack	Suitable Rack to house PXI chassis.		
LabVIEW	LabVIEW Full Development System with one year upgrades.		
Manuals/ Literature	In Convenient form(hardcopy/DVD).		
Installation and Training	On-site installation by trained engineer with hands on training on site (one day).		
Warranty	Minimum one year for all supplied items.		
Payment Terms	100% payment only after delivery and satisfactory installation and training.		

PRICE BID
(ON THE LETTER HEAD OF THE BIDDER)

Sl. No.	Item Description	Qty	Offered Make/ Model	U/ Price	T/Price (in Rs.)	
					In Figures	In Words
1.	Labview and PXI Based General Data Acquisition Systems	01 No.				
2.	Thermocouple sensors (K-type thermocouple sensor with 2 meter extended wire: 04 nos. and T-type thermocouple sensor with 2 meter extended wire: 04 nos. compatible to the Data acquisition system)	4+4 No.				
3.	LabVIEW full development system license with one (Detailed specifications attached at Annexure-B)	01 No.				

We agree to supply the above goods in accordance with the technical specifications for a total contract price of _____ within the period specified in the Invitation for Quotations.

Signature and Seal of the Manufacturer/Bidder

Note:

- Bidders should provide copies of original Memorandum and Articles of Association, defining the constitution of legal status, place of registration and place of business of the company.

PROFORMA FOR DIRECT PAYMENT/TRANSFER TO BANK ACCOUNT BY MNNIT ALLAHABAD

Sl. No.	Particulars	Information
1.	Firm [Beneficiary] Name	
2.	Code No. allotted by the MNNIT Allahabad [If code is not allotted yet, please enclose a cancelled cheque and copy of PAN card. Cancelled cheque & PAN card is to be submitted only once]	
3.	Complete Bank Account No. of the Firm [beneficiary]. [in case of change in bank account vendor should write to Account Office]	
4.	Bank Name	
5.	Branch Address	
6.	IFSC Code No.	
7.	Permanent Account Number	
8.	Mobile No. [for SMS]	
9.	Email ID [for information]	

We undertake that all information provided above is correct and MNNIT Allahabad will not be responsible in case of any error on the part of firm.

[Seal and Signature of the firm]