



E-TENDER NOTICE

Sealed online e-Tender in two bid system are hereby invited by the undersigned for the supply of following items on behalf of the Director, NIT, Hamirpur from the Eligible/ Experienced/ Resourceful, manufacturer's dealer/authorized distributor etc. having experience in appropriate field and who have successfully completed works of similar type, so as to reach in the office of the undersigned as per date & time mentioned below.

Sr. No.	Name of works/item	Qty/ No.	Earnest Money In Rs.	Time Limit
1	Supply and installation of SMART STRUCTURE INSTRUMENTATION SYSTEM For detailed specifications etc please refer to SBD	1	24000	60 days

1. Availability of bid document and mode of submission:-The bid document is available online and bid should be submitted in online mode on website <http://www.eprocure.gov.in/> and <http://www.nith.ac.in/>. Bidder would be required to register in the web-site which is free of cost. For submission of bids, the bidder is required to have Digital Signature Certificate (DSC) from one of the authorized certifying authorities (CA).

2. Key dates: (1)

1	Date of online publication	25.09.2025 at 6.00 PM
2	Document download start and end date	25.09.2025 to 14.10.2025 10.30 AM
3	Bid submission start and end date	25.09.2025 to 14.10.2025 10.30 AM
4	Physical submission of EMD, technical documents and cost of tender document etc.	On or before 05.30 PM on 14.10.2025
5	Date of opening of technical bid	15.10.2025 at 11.30 AM

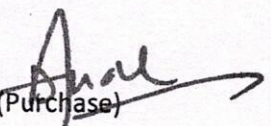
(II) Objections/representation if any against the bidders will be entertained only within three days after publication/uploading of technical bid opening summary on net and thereafter that the date of opening of financial bid of technically qualified bidders will be published /uploaded on net.

3. Tender Details:-The tender Documents shall be uploaded in 2 cover:-

Cover 1:-Shall contain scanned copies of all "Technical Documents/Eligibility information".

Cover 2:- Shall contain "BOQ/Financial Bid", where supplier will quote his offer for each item.

- (a) Submission of Original Documents: The bidders are required to submit (a) original demand draft towards the cost of bid document if any and (b) original bid security/Earnest Money deposit (EMD) and other technical documents in the Store & Purchase section, NIT Hamirpur-177005 (HP) as specified in the key dates of Sr. no.2 on tender opening dates & schedule, failing which the bids will be declared non-responsive. EMD in the form of DD/FDR must be attached with in favour of Director, NIT, Hamirpur (H.P) -177 005. The EMD should remain valid for a period of 90 days beyond the final bid validity period. EMD of unsuccessful bidders shall be returned after the expiry of the final bid validity or before the 30th day of the award of contract. The EMD of the successful bidder shall be released after successful execution of supply order.
4. BID OPENING DETAIL: - The bids shall be opened as per schedule specified in the key dates of Sr. no.2. in the store & Purchase section, NIT, Hamirpur by the authorized officer. In their interest the tenderer are advised to be present along with original documents at the time of opening of tenders. If the office happens to be closed on the date of opening of the bids as specified, the bids will be opened on the next working day at the same time & venue.
 5. The bids shall remain valid for acceptance for a period of not less than 120 days after the deadline date for bid submission. Other details can be seen in the bidding documents. The officer inviting tender shall not be held liable for any delays due to system failure beyond its control. Even though the system will attempt notify the bidder of any bid updates. The Employer shall not be liable for any information not received by the bidder. It is the bidders responsibility to verify the website for the latest information related to the tender.
 6. The copy of enlistment order & renewals, Copy of PAN issued by Income tax Department and copy of GST Certificate must accompany in the cover-1
 7. The bidder preferably must have successfully supplied similar items in recent years preferably in NIT's/IIT's. The bidders shall have to produce supporting documents giving date of award, date of commencement and completion from the concerned competent authority and should be included in cover-1
 8. Destination: F.O.R. destination i.e. NIT, Hamirpur (HP) and the rates must include the charges for Packing, Forwarding, Freight, etc., if any.
 9. Price/Rate: The price of items may be quoted in Indian rupees.
 10. GST:- All the firms may invariably mention their GST/PAN numbers on tender failing which quotations may not be considered valid. Further, this Institution does not issue any Concessional form, so the GST applicable as per actual rates must be mentioned in the offer. In case GST is not mentioned, the rates shall be treated as inclusive of all taxes.
 11. The bidders/firms have to supply the complete catalogue/brochure of the products to be supplied along with the Technical bid.
 12. The technical bids will be evaluated on the basis of terms & conditions of the tender and details of the product to be supplied as per condition 11 of the tender notice. The committee reserves the right to reject any technical bid on the basis of technical specifications/catalogue/brochure submitted.
 13. Conditional/ telegraphic tenders shall summarily be rejected.
 14. For any clarifications bidders are requested to contact FI (Purchase), NIT Hamirpur at his E-mail ID i.e. fip@nith.ac.in.
 15. The tender/bid shall be kept in a sealed envelope superscribed as "Tender for (Name of work and date of opening _____)".
 16. The jurisdiction of the law of court shall be at Hamirpur (HP).


FI (Purchase)

No: NIT/HMR/DoME/S&PS/ 2025/ 563-565

Dated: 24-09-2025

Copy forwarded to the following for information please:-

1. The HOD, DoME, NIT, Hamirpur
2. Dr. Anshul Sharma, Assistant professor, DoME, for information please.
3. The FI (CC), for getting the advertisement displayed in the Institute website for wider publicity under head: - **Supply and installation of Smart Structure Instrumentation system for Mechanical Engineering Department of NIT Hamirpur.**

Anshul
24.9.25
FI (Purchase)



राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर हमीरपुर 177005-(हि.प्र.)

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR (H.P.)-177005

[An Institute of National Importance under Ministry of Education (शिक्षा मंत्रालय)]

NIT-SBD

Subject: - Supply and installation of Smart Structure Instrumentation system for Mechanical Engineering Department of NIT Hamirpur

Sealed online E-Tender in two bid system are hereby invited by the undersigned for the supply of following items on behalf of the Director, NIT, Hamirpur from the Eligible/ Experienced/ Resourceful, manufacturer's dealer/authorized distributor etc. having experience in appropriate field and who have successfully completed works of similar type, so as to reach in the office of the undersigned as per date & time mentioned in the tender notice.

Sr. No.	Name of works/item	Qty/ No.	Earnest Money In Rs.	Time Limit
1	Supply and installation of Smart Structure Instrumentation system for Mechanical Engineering Department of NIT Hamirpur For detailed specifications etc please see below	1	20400	60 days

Detailed Technical Specifications:-

Supply and installation of SMART STRUCTURE INSTRUMENTATION SYSTEM

a. SENSING UNIT:

• No of channels	:	04 (minimum)
• Sensor	:	Piezo electric crystal (PZT)
• Type of conditioner	:	Charge to voltage converter
• Output voltage	:	10 Volts Peak to Peak or better
• Input/ output connection	:	BNC Connectors
• Input Power	:	230V 50Hz AC

b. ACTIVE BAND PASS FILTER:

• No of channels	:	04 (minimum)
• Maximum Output	:	10 Volts Peak to Peak or better
• Output Signal	:	Sine
• Frequency Range	:	1 - 1000 Hz (minimum)
• Cut off and Passband	:	Adjustable and user-defined
• Gain	:	Unity
• Input Power	:	230V 50Hz AC

c. ACTUATION UNIT:

• No of channels	:	04 (minimum)
• Frequency Range	:	1 - 950 Hz (minimum)
• Input Signal	:	Sine
• Voltage Range	:	100 V Peak to Peak or better

• Input Power	: 230V 50Hz AC
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d. VIBRATION GENERATOR WITH POWER OSCILLATOR:

Vibration Generator	
• Type of actuation	: Electromagnetic
• Output Force	: atleast 20 N
• Frequency Range	: 1 - 400 Hz or better
• Total Stroke	: ±3.5 mm or more
• Voltage Range	: 100 V Peak to Peak or better
• Input Power	: 230V 50Hz AC
Power Oscillator	
• Frequency Range	: 1 - 900 Hz or better
• Input Voltage	: 1 to 10 Volts or higher
• Input /output Terminals	: BNC Connectors
• Display Panel	

e. DATA ACQUISITION SYSTEM WITH ANALOG INPUT AND OUTPUT MODULES:

Data Acquisition Chassis	
• No. of Slots (for modules integration)	: 04 (minimum)
• Timing resolution	: 20 ns or better
• Must be compatible with Sensing Unit, Active band pass filter and Actuation Unit (specified under points a, b and c respectively)	
• Must provide power cord and other essential accessories for proper functioning	
Analog Input Module	
• No. of Analog Input Channels	: 03 (minimum)
• Analog Input Voltage Range	: ± 10Volt or higher
• Sample Rate	: 50 kS/s per channel or better
• Must be compatible with Data Acquisition Chassis	
• Must be able to receive and process data (at least in voltage form) from different transducers	
Analog Output Module	
• No. of Analog Output Channels	: 04 (minimum)
• Analog Output Voltage Range	: ± 10Volt or higher
• Sample Rate	: 50 kS/s per channel or better
• Must be compatible with Data Acquisition Chassis	
• Must be able to provide signal (at least in voltage form) after processing to Actuation Unit	

f. UNIAXIAL ACCELEROMETER WITH CHARGE AMPLIFIER:

High sensitivity, ceramic shear ICP Accelerometer, 100 mV/g, 0.5 Hz to 10 K Hz, 10-32 side connection, Low-noise, blue, coaxial, Teflon cable, 10 feet, 10 - 32 coaxial plug to BNC plug.

For Charge Amplification:

- Two stage Signal conditioning and amplification.
- DC Power Supplies for the Signal Conditioners.
- Input / Output BNC Connectors.

g. BEAM WITH CRYSTAL MOUNTED:

An aircraft quality aluminium beam bonded with three numbers of PZT crystals to be supplied to demonstrate the active vibration control action. One PZT crystal must act as sensor and two as actuators.

h. DESKTOP (HP/Dell):

• Processor	:	Intel Core i7 or better (2.20 to 5.40 GHz or better, at least 16 cores)
• Processor Generation	:	13 or better
• RAM Size (GB)	:	16 GB, DDR 5, 4200 MT/s or better
• Graphic Card Description	:	nVIDIA, 4 GB or better
• Hard Drive	:	1 TB, HDD, 7200 rpm or better
• Additional Hard Drive	:	256 GB, SSD or better
• Wireless and LAN (Ethernet)	:	WiFi, LAN and Bluetooth module with Internal Antenna
• Operating System	:	Windows 10 Pro (Includes free upgrade to Windows 11 Pro), English

TERMS AND CONDITIONS:-

1. **Validity:** Minimum validity of the quotation will be 03 months from the date of opening of the quotation/tenders.
2. **Time Limit:** - The firm/supplier has to supply and install the equipments within 60 days from the date of the award letter.
3. **Guarantee/warranty:** - The supplier has to provide equipment guarantee/warranty supplied for 01 year from the date of successful installation of the equipment supplied. (Certificate of the same to be given by the supplier)
4. **Demonstration & Training:-** The supplier will have to demonstrate and impart training to concerned users at NIT, Hamirpur after successful supply & installation. (Certificate of the same to be given by the concerned user/indenter).
5. **EMD: EMD in the form of DD/FDR /Bank Guarantee must be attached in favour of Director, NIT, Hamirpur (H.P) -177 005.** The EMD should be remained valid for a period of 120 days beyond the final bid validity period. EMD of unsuccessful bidders shall be returned after the expiry of the final bid validity or before the 30th day of the award of contract. The EMD of the successful bidder shall be released only after submission of 3 % **Performance bank Guarantee** which should be valid till expiry of warranty period. EMD/PBG exemption is permissible as per Govt. rules.
6. **Make in India preference:-** NIT Hamirpur shall compare all substantially responsive bids to determine the lowest evaluated bid. The Institute is following and abide with the revised Public Procurement (Preference to Make in India), Order No. P- 45021/2/2017 – PP (BE-II) dated 16.09.20 issued by DPIIT, Ministry of Commerce and Industry, Govt. of India & subsequent instructions of Ministry. Accordingly, preference will be given the make in India products while evaluating the bids. However, it is sole responsibility of the bidder(s) to

specify the product quoted by them is of Make in India along with respective documentary evidence in the technical bid itself.

7. **Technical Evaluation:-** Technical evaluation of the participating firms will be done strictly on the basis of catalogues/brochures/literature/technical details of the product to be supplied along with relevant experience & fully complying all the terms & conditions of the SBD & tender notice. **It is mandatorily to physically submit the technical literature/catalogue of the product to be supplied along with make & model no. failing which the technical bid of the participating bidder will be straightforward rejected. BOQ compliance duly signed & Stamped on the letter head of the OEM is mandatory.** NIT Hamirpur also reserves the right to seek clarification from any of the participating firm during technical evaluation. The participating bidder has to submit undertaking that they fully complies to our above-mentioned technical specifications.
8. **Destination:** F.O.R. destination i.e. NIT, Hamirpur (HP) and the rates must be quoted inclusive of all taxes and charges.
9. **Penalty:** In case the firm/vendor fails to supply the equipments within the stipulated period penalty without assigning any reasons @ 1/2% (half percent) of the total value of the item covered in order as penalty per day subject to a maximum of 5% (five percent) will be imposed unless extension is obtained in writing from the office on valid ground before expiry of delivery period
10. **Price/Rate:** The price of equipment/items may be quoted as per BOQ clearly mentioning the Basic rate & GST in the specified columns of BOQ in Indian rupees. **Tender will be awarded to the participating bidder who will be lowest in terms of total of all items**
11. **GST:** - All the firms may invariably mention their GST/PAN numbers on quotation/tender failing which quotations may not be considered valid. Further, this Institution does not issue any C/D Concessional form, so the GST applicable as per actual rates must be mentioned in the offer. In case GST is not mentioned, the rates shall be treated as inclusive of all taxes.
12. **NIT/NIQ Opening:** Representative of the firm may be present at the time of opening of the Quotations, if it wishes.
13. **Payment:** 100% payment shall be made immediately after receipt of material in good condition and successful installation of the same.(Certificate of the same to be given by the indenter/inspection committee NIT, Hamirpur)
14. **Right of Acceptance/Rejection:** Right of acceptance and rejection of any tender/quotation in part or full without assigning any reason are reserved with the institution authorities. The number of items to be purchased could be increased or decreased depending on the requirement of end user.
15. In case of any dispute the jurisdiction of Hamirpur (HP) Courts shall apply.For any clarifications please contact:- Dr.Jiwanjot Singh (Mobile 9872581018)

Anil
24-9-25
FI (Purchase)

Annexure I - Bidder's Information

(Bidder should duly fill and send with technical documents via post/courier)

1	Name of the Bidder	
2	Address of the Bidder	
3	PAN No.	
4	GSTIN No.	
5	E-mail ID	
6	Contact Person's Name & Designation	
7	Mobile No.	
8	Email ID	

Annexure II -Questionnaire

(Bidder should duly fill and send with technical documents via post/courier)

Sr.No.	Questions	Response
1	Whether all the terms and conditions of the NIT document have been complied. Compliance (Yes/No)	
2	Whether all the items specified in the technical specification has been compiled and have been quoted in the bidding engine. Compliance (Yes/No)	
3	Confirm that you have read all the instructions carefully and have complied with the instructions accordingly. Compliance (Yes/No)	
4	In case bidder does not manufacture goods offers to supply have submitted Manufacturer's Authorisation letter. Compliance(Yes/No)	
5	Mention Delivery period	
6	Mention Warranty of the material	
7	Mention HSN/SAC code of the material	
8	In case of import supplies whether you have mentioned nearest internationalport of shipment in the technical bid (if not applicable please mention 'NIL').	

Signature and Seal of the Manufacturer / Bidder

Place: _____

Date: _____

ANNEXURE III – DECLARATION OF LOCAL CONTENT

(To be given on company letter head - For tender value below Rs.10 crores)
(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 crores)
(Bidder should duly fill and send with technical documents via post/courier)

Date: _____

To,

The Faculty Incharge Purchase,
National Institute of Technology,
Hamirpur-177005 (HP)

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender: - _____

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has _____ % local content.
3. Details of Location at which local value addition is made _____

“Local Content” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

The bidders cannot claim services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc as local value addition.

“*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.”

Yours faithfully,
(Signature of the Bidder, with Official Seal)