



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)]

### 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 Insulation Analyzer Model No. M 4100 (Doble Make) under buy back offer viz (replacement of old Insulation Analyzer Model No. M 4000 (Doble Make) with new upgraded features/specifications etc of the Insulation Analyzer in the TIFAC Core of NIT Hamirpur) For detailed specifications etc please refer to SBD	1	57000	90 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	30.07.2024 at 6.00 PM
2	Document download start and end date	30.07.2024 to 20.08.2024 10.30 AM
3	Bid submission start and end date	30.07.2024 to 20.08.2024 10.30 AM
4	Physical submission of EMD, technical documents and cost of tender document etc.	On or before 05.30 PM on 20.08.2024
5	Date of opening of technical bid	21.08.2024 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".

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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. 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).



CI 29/7/24

FI (Purchase)

Dated: 29-07-2024

No: NIT/HMR/TIFAC/S&PS/ 2024/ 2862-64

Copy forwarded to the following for information please:-

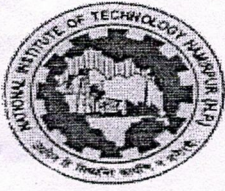
1. The HOD, DoEE, NIT, Hamirpur
2. Dr. R.K.Jarial, Co-ordinator TIFAC core for information please.
3. ✓ The FI (CC), for getting the advertisement displayed in the Institute website for wider publicity under head: - **Supply and installation of Insulation Analyzer Model No. M 4100 (Doble Make) under buy back offer viz (replacement of old Insulation Analyzer Model No. M 4000 (Doble USA Make) with new upgraded features/specifications etc of the Insulation Analyzer in the TIFAC Core of NIT Hamirpur)**

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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 Insulation Analyzer Model No. M 4100 (Doble Make) under buy back offer viz (replacement of old Insulation Analyzer Model No. M 4000 (Doble Make) with new upgraded features/specifications etc of the Insulation Analyzer in the TIFAC Core of NIT Hamirpur)**

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Sr. No.	Name of works/item	Qty/ No.	Earnest Money In Rs.	Time Limit
1	Supply and installation of Insulation Analyzer Model No. M 4100 (Doble Make) under buy back offer viz (replacement of old Insulation Analyzer Model No. M 4000 (Doble Make) with new upgraded features/specifications etc of the Insulation Analyzer in the TIFAC Core of NIT Hamirpur) (For detailed specifications please see below)	1	57000	90 days

**Detailed Technical Specifications for Capacitance & Tan Delta Measurement kit/ Insulation Analyzer etc**

**Buyback of Portable Insulation Analyzer Kit (M 4000) Doble, USA Make** having Sr. No. 100810250 by a new Portable Insulation Analyser Kit (M4100) Doble, USA Make capable to measure Power Transformer winding and bushing Capacitance & Tan Delta equipped with standard accessories and DTA7 Software for extracting relevant information and its diagnostic analysis.

Complete Integrated transport system for carrying instrument, cables and testing computer with needful accessories while measuring instrument test set weight upto 45 kg. The test set should have Integrated Temperature and humidity recording facility. It should help HV resistive measurement element to prevent internal self-leakage and capability to use both Line Frequency Modulation and Line Sync Reversal methods of interference suppression.

The Equipment should have facility for automatic detection of input voltage of 120/240V. Output Volts of 10KV with capability of 100 mA continuous, 200 mA>30 min and 300 mA>4 min. Max. KVA rating as 3 kVA. The Voltage Accuracies and

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Range as  $\pm 1\%$  of reading,  $\pm 1$  V and Voltage resolution 1 V. The Ammeter Accuracy  $\pm 1\%$  of reading,  $\pm 1$   $\mu$ A , Capacitance Range as 0-100,000,000pF , Inductance range 0.005-10000kH and Inductance Accuracy  $\pm 0.5\%$ .

The equipment must have calibration verification feature with built in calibration verification with automatic report generation as well. The test set must have an ability to test all non-external resonator used amplifier ranges .

It should be capable of automatically testing and verifying integrity of HV cables and LV cables and included with automatic report generation. The vendor must supply advanced Software to help pre-designed templates for all major electrical HV Apparatus, compatible with Doble DTA file formats and it must be capable of exporting data to Doble Database and capable of downloading data from the Doble Database for academic use. In addition there must be a provision to have automated expert analysis to include regular updated limits (nominal bi-annual updates) as well as typical comparison as determined by industry best practices, Analysis must use industry accepted G,D,I,B rating system along with reporting ability explaining reason. Expert analysis system should take into consider manufacturer, kV, sister devices when applicable and large statically pool outside of utility of at least 500,000 individual apparatus to ensure proper statistical comparison, Expert Analysis system must be updated regularly as industry best practices evolve, Must provide temperature correction based on empirical data results of a wide data population for common HV apparatus.,Data files must be capable of recording previous test results and all associated tests must be contained within a single file. The Central Data Management Must have the capability to change internal expert system limits by use of external database system and must provide external database storage system that allows for storing of all PF data and allow for searching of all fields within said datasets. It must be capable of accessing data from outside company WAN/LAN, Central Data Management must be capable of conducting customizable queries for asset management. The general operational safety and functionality specifications should be compatible as per following standards: (i) Dry Heat: IEC 60068-2-2, (ii) Cold: IEC 60068-2-1, (iii) Damp Heat IEC 60068-2-30, (iv) Shock: IEC 60068-2-27 (v) ASTM D999.75, (vi)Vibration 60068-2-6, (vii)Drop Test: IEC 60068-2-6

In general, the equipment should have External Option Capabilities i.e. Add leakage reactance test with the following capabilities (i)25 Amp output (ii)Both single phase and three phase LR testing. It should also have ability to use an external resonator that must be tunable by variable air-core for peak efficiency. It should be able to conduct 10 kV TTR testing . There should be capability to conduct



capacitor bank leakage current test & conduct tests with an external voltage source. Oil power factor cell for testing insulating fluid and application Engineer must be able to access Central Data Management system from remote locations to peer review imported test results.

Note : The vendor should Provide DOBLE MEMBERSHIP of appropriate category to academic institutes for at least two years continuously so as to strengthen NITH testing and research domain in line with global standards practices. In addition, 24/7 support service related with functionality and data management be also provided by the vendor.

#### 1. AFTER SALES SERVICE

1. Minimum three years warranty (not including the down time) on ALL the equipments and accessories must be offered. *Warranty would start from date of installation completion.*
2. The vendor should be agreeable to enter into Comprehensive Annual Maintenance Contract with NIT Hamirpur at a reasonable price, for maintaining the equipment in proper working conditions, after the warranty period is completed.
3. Service response time, turn□around time & up□time of the equipment should be clearly specified.
4. Service response time must be less than 72 hours.
5. Product support for period of minimum ten years after warranty period to be ensured by vendor/supplier.
6. Relevant software and hardware information in case of updating of the model of the supplied system should be provided.

#### TERMS AND CONDITIONS:-

1. **Validity:** Minimum validity of the quotation will be 04 months from the date of opening of the quotation/tenders.
2. **Time Limit:** - The firm/supplier has to the supply and install the equipments within 90 days from the date of the award letter.
3. **Guarantee/warranty:** - The supplier has to provide three years warranty (not including the down time) on ALL the equipments and accessories to be supplied. Warranty would start from date of successful installation of equipment in the TIFAC. (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 Gurantee which should be valid till expiry of warranty period. EMD 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.** 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 specific columns of BOQ in Indian rupees. **The recovered old Insulation Analyzer Model No. M 4000 (Doble Make) shall be the property of the contractor/Supplier and hence participating bidders are requested to quote the rates after deducting the cost of defective old set Insulation Analyzer Model No. M 4000 (Doble USA Make) which can be inspected on any working day on or before 20-06-2023 before 05.00 PM . 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 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 and submission of performance bank Gurantee.(Certificate of successful installation & inspection report 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

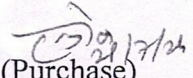
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number of items to be purchased could be increased or decreased depending on the requirement of end user.

**15. The participating firms can inspect the defective old set Insulation Analyzer Model No. M 4000 (Doble Make) USA to be replaced with new upgraded features/specifications etc of the Insulation Analyzer in the TIFAC- Core, NIT Hamirpur on any working day during office hours on or before 20-08-2024 before 05.00PM**

16. In case of any dispute the jurisdiction of Hamirpur (HP) Courts shall apply.

  
FI (Purchase)