

राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर) हमीरपुर177005-(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 Portable Sweep Frequency Response Analyzer (SFRA) under buy back offer viz (replacement of old Portable sweep Frequency response Analyzer doble USA make with new upgraded features/specifications etc of the (SFRA) in the TIFAC Core of NIT Hamirpur) For detailed specifications etc please refer to SBD	1	33800	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	02.06.2023 at 6.00 PM
2	Document download start and end date	02.06.2023 to 21.06.2023 10.30 AM
3	Bid submission start and end date	02.06.2023 to 21.06.2023 10.30 AM
4	Physical submission of EMD, technical	On or before 05.30 PM on 21.06.2023
	documents and cost of tender document etc.	
5	Date of opening of technical bid	22.06.2023 at 11.30 AM

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.

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- (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.2on tender opening dates & schedule, failing which the bids will be declared nonresponsive. 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
- Destination: F.O.R. destination i.e. NIT, Hamirpur (HP) and the rates must include the charges for Packing, Forwarding, Freight, etc., if any.
- 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 the basis of to reject any technical bid on right the reserves 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
- 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/TIFAC/S&PS/ 2023/932-934

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.

The FI (CC) for getting the advertisement displayed in the Institute website for wider publicity under head: - Supply and installation of Portable Sweep Frequency Response Analyzer (SFRA) under buy back offer viz (replacement of old Portable sweep Frequency response Analyzer doble USA make with new upgraded features/specifications etc of the (SFRA) in the TIFAC Core of NIT Hamirpur)

(Purchase)



राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर हमीरपुर177005-(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 Portable Sweep Frequency Response Analyzer (SFRA) under buy back offer viz (replacement of old Portable sweep Frequency response Analyzer doble USA make with new upgraded features/specifications etc of the (SFRA) in the TIFAC Core 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 Portable Sweep Frequency Response Analyzer (SFRA) under buy back offer viz (replacement of old Portable sweep Frequency response Analyzer doble USA make with new upgraded features/specifications etc of the (SFRA) in the TIFAC Core of NIT Hamirpur) (For detailed specifications please see below)		33800	90 days

Detailed Technical Specifications for Portable sweep Frequency Response Analyzer (SFRA) Technical Specifications: The Portable SFRA test instrument should be a compact, robust CE marked equipment having capability to generate 20V (peak to peak) test signal @ 50 ohm for assessing mechanical integrity of Power Apparatus (Generator or Transformer) with inbuilt capability to work reliably and accurately in harsh EMI environment and SFRA should be supplied in a single robust built-in case for safety & transportability. The instrument shall have useful or adequate dynamic range (at least 150dB or more) and should be able to maintain same excitation level for each frequency. Typical Sweep Speed between 15 to 30 seconds to reduce overall testing time with inbuilt facility for wired or wireless communication to the controlling PC. It must have newer version SFRA Software V6 for control & FRA Signal analysis. The SFRA test instrument should support analysis through both dB difference/delta and cross-correlation based on user settable sub bands (of the curve shape). The SFRA test instrument should have one piece design of at least 60 ft. length integrated test leads that are simple, robust and reliable. The SFRA test instrument should ensure repeatable results even if the length and orientation of the lead is changed. The Portable SFRA test instrument software should provide an

ability to overlay results up to 20 different transformers and different dates simultaneously for comparison and analysis.

The SFRA test instrument software should have ability to display both reference and measured signal waveforms at each frequency used. The SFRA test instrument should have ability to measure up to 25 MHz and down to 10 Hz. The vendor should be able to provide inbuilt support for SFRA analysis by diagnostic tests.

The key technical parameters of a Portable and fully automatic SFRA unit meant for indoor & outdoor (site) applications for sweep frequency response signatures under Offline use for Power Apparatuses (Transformers, Alternators, reactors of sub stations of any rating shall be as follows:

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hannels	1				na dan sama and managarinees ee
requency Range	10 Hz – 25 MHz user defined ,within instrument frequency range				CATCO OF THE PROPERTY OF THE P
Output Voltage	User selectable between 10 V (default)				
(pk-pk into	and 2.5 V				
50 Ohms)			Company of the Compan		A STATE OF THE SECOND STAT
Output Protection	Short circuit protected				A Company of the Comp
Source Impedance	50 Ohms.				All control of the second
Measurement Channels					na Sant's Bales Hall and Zalansan ker
No. of Channels	2	S. Koran, A. Studi S. Fred	an actività e y cope e l'incre l'annoque est e contra plant	And the second s	
Sampling	Simultaneously				
Frequency Range	10 Hz- 25 MHz	A DESCRIPTION OF THE PROPERTY			M 1991
Max. Sampling Rate	100 MS/s	A CONTROL OF THE CONT		1	
Input Impedance	50 Ohms	Service of the servic			
Recommended Calibration Interval	1 Year				and processing a boundary of the same and and
Accuracy		A MODEL TO MESSAGE THE WAR THE			



4agnitude	± 0.1 dB (down to -60 dB)		
guaranteed	± 0.5 dB (-60 to -100 dB)		
0 Hz- 2 Mhz)			
Data Collection		***************************************	
est Method	Sweep Frequency		
C Communication	USB/ Wireless		
Frequency Range	20 Hz - 2 MHz (default), user defined within instrument frequency range		
No. of Points	At least 1045 points (default) At least 4900 points max per decade (log) At least 32,000 points max (linear)	manufacture and a second a second and a second a second and a second a	
Dynamic Range (20 Hz - 2 MHz)	>150 dB	may a charge or segment	
IF Bandwidth	<10% of measurement frequency, adaptive		
Point Spacing	Variable, Linear or Logarithmic		
Data Display/ Export/Analysis		Nacional de la company	
Tabulation	Frequency/Magnitude/Phase	A. A. 1288 00 TIME	
Export Formats CSV/IEC/CIGRE, SFRA v5			
Plotting Frequency vs. Magnitude/Phase/Impedance/Ratio		Car and form	
Analysis	Difference, Cross-Correlation, LeakageChannel, Ratio	Sincy allowance	
Physical Specifications			
Weight	(Less Than 4 kg)	Marin 19 19 1	
Power Supply 24 VDC (40 W Universal AC in power supply)		BUT TO THE TOWNS OF	
Temperature	-26° to + 54°C operating	pa- w 1440 175411 W	
Relative Humidity	1% to 94% non condensing	Manager for the self-tree for	
Test Lead	Integrated three lead system in single cable set	SALE WILLESTON NO.	



		The state of the control of the cont
Standard (362 kV and below): At least 60 ft/ 18 m		
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EN 61326-1:2013		
EN 55011 Class A Group 1		
EN 61000-4-2,3,4,5,6,8,11		NAMES AND ADDRESS OF THE COLUMN STATE OF THE C
1 IEC 60068-2-1,2,6,27,30,31		A Paragraphic Colorests of A Paragraphic Colorests of Col
IEC 61010-1, EN 61010-1, UL 61010-1		
CAN/CSA C22.2 No. 61010-1-12		
Directive 2011/65/EU with		
amendment 2015/863/EU		
	At least 60 ft/ 18 m EN 61326-1:2013 EN 55011 Class A Group 1 EN 61000-4-2,3,4,5,6,8,11 1 IEC 60068-2-1,2,6,27,30,31 IEC 61010-1, EN 61010-1, UL 61010-1 CAN/CSA C22.2 No. 61010-1-12 Directive 2011/65/EU with	At least 60 ft/ 18 m EN 61326-1:2013 EN 55011 Class A Group 1 EN 61000-4-2,3,4,5,6,8,11 1 IEC 60068-2-1,2,6,27,30,31 IEC 61010-1, EN 61010-1, UL 61010-1 CAN/CSA C22.2 No. 61010-1-12 Directive 2011/65/EU with

1. AFTER SALES SERVICE

- 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.
- 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.
- Service response time, turn □ around time & up □ time of the equipment should be clearly specified.
- Service response time must be less than 72 hours.
- Product support for period of minimum ten years after warranty period to be ensured by vendor/supplier.
- 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 DoMSE. (Certificate of the same in the 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).

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.

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.

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 abovementioned technical specifications.

Destination: F.O.R. destination i.e. NIT, Hamirpur (HP) and the rates must be quoted

inclusive of all taxes and charges.

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 Portable sweep Frequency response Analyzer doble USA 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 Portable sweep Frequency response Analyzer 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 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 Portable sweep Frequency response Analyzer doble USA make to be replaced with new upgraded features/specifications etc of the Portable Sweep Frequency Response Analyzer (SFRA) in the TIFAC- Core, NIT Hamirpur on any working day during office hours on or before 20-06-2023 before 05.00 PM

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



