

NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION TECHNOLOGY (NIELIT), Chennai

Autonomous Scientific Society
Department of Electronics and Information Technology,
Ministry of Communications & Information Technology,
Government of India



Tender Document

Ref : DC-CHE\VI\1\EPDPT\158\13-14\Enq\427 Dated: 22/01/2014

Purchase of

“Digital Signal Oscilloscope of 1GHz - BW”

First Floor, ISTE Complex, 25, Gandhi Mandapam Road, Chennai – 600 025
Phone: 044- 24421445 / 47, Fax: 044- 24421441
Website: www.nielitchennai.edu.in

Cost of Tender Document Rs 500.00

NIELIT Chennai Centre Tender Document- Digital Signal Oscilloscope (EPDPT)

Tender No: DC-CHE\VI\1\EPDPT\158\13-14\Enq\427

Date: 22/01/2014

TENDER DOCUMENT

1. Invitation to Tender

National Institute of Electronics and Information Technology (NIELIT) Chennai, an Autonomous Scientific Society under Department of Information Technology, Ministry of Communications & Information Technology, Government of India, invites Technical and Commercial Offers in "Two Bid" for **Digital Signal Oscilloscope of 1GHz - BW** at First Floor, ISTE Complex, 25, Gandhi Mandapam Road, Chennai – 600 025.

SN	Items Description	Qty.
1	Digital Signal Oscilloscope of 1GHz - BW	02 Nos

Technical and General Specification as per Annexure-I

2. Important Dates

Date of Tender Publication	22/01/2014 from 12.30 Hrs
Tender Document Download Start Date	22/01/2014 from 13.00 Hrs
Tender Document Download End Date	06/02/2014 upto 13.00 Hrs
Bid Submission Start Date	23/01/2014 from 09.00 Hrs.
Bid Submission End Date	06/02/2014 upto 15.00 Hrs
Bid Opening (Technical Bid) (Interested vendor may be present)	06/02/2014 at 16.00 Hrs.

Notice Inviting Tender (NIT) have also been uploaded in portals <http://eprocure.gov.in> and <http://www.nielitchennai.edu.in> for wide publications.

3. Manner and method of submission of offers:

All pages of the tender shall be numbered and typed on the Letter Head of the Vendor and be duly signed and stamped by Company's authorized Signatory. Hand written quotation will be summarily rejected. Corrections, if any shall be duly authenticated with signature and seal of the Company.

Each page of the offer is to be signed and stamped by the tenderer and prices should be indicated in figures & words.

The quotation in prescribed form to this invitation must be submitted in a **sealed envelope super scribed Tender Number with due date** and submitted to the attention of The DIRECTOR, NIELIT Chennai in the following address:

NIELIT Chennai (Formerly DOEACC Centre), First Floor, ISTE Complex, No.25, Gandhi Mandapam Road, Chennai -600025, Tamil Nadu.

4. Cost of Tender Documents:

Tender fee of Rs. 500/- (Five Hundred only) is to be remitted along with the bid in the form of a crossed Bank Draft favoring "**NIELIT Chennai**" from a nationalized bank payable at Chennai. The cost of tender document is non- refundable. In case of non-submission of the tender fee, the tender shall be treated as non-responsive.

5. Earnest Money Deposit (EMD):

Earnest money deposit of **Rs.46,000/- (Forty Six Thousand Only)** shall be submitted along with the bid in the form of a Demand Draft favoring “**NIELIT Chennai**”. The EMD deposited by unsuccessful bidders will be refunded without interest after finalization of the order. The EMD of the successful bidder will be appropriated towards Security Deposit. The bids will not be considered in the absence of payment towards the cost of tender documents and EMD.

6. Security Deposit (SD):

The successful bidder will be required to remit a Security Deposit equivalent to 10% of the Purchase Order value exclusive of taxes and duties etc. after adjusting the EMD amount already remitted. SD is to be remitted along with the order acceptance in the form of a crossed bank draft favoring “**NIELIT Chennai**” or a bank guarantee from a nationalized bank payable at Chennai within 10 days of release of Purchase Order. The security deposit will be forfeited in the event of failure to execute the Purchase Order. The security deposit will be refunded without interest after the purchase order is successfully executed to the satisfaction of the Purchaser.

7. Eligibility Criteria.

- A. Technically qualified bids will only be considered for Price Bid Opening.
- B. The company should be legally registered in India under Company Registration Act / Appropriate Government authorities
- C. The Company should have minimum three years of experience in the field of manufacturing / supplying of measuring equipments including **Digital Signal Oscilloscope**.
- D. The Company should have had previous experience of supplying, installation, testing and demonstrating the said item at least in three nationally reputed research / educational institute in India, among which at least one should be from Government Sector.
- E. Foreign Vendors should have a branch office in India/Indian Partners/Representatives for rendering support services with appropriate infrastructure.
- F. If the tenderers are the authorized distributors of the Manufacturers, they are requested to enclose Photostat (Xerox) copy of the letter of their manufacturer appointing them as authorized distributor for marketing their product, duly attested.

Note: Vendor should provide documentary proof to prove his adherence to the qualifying criteria wherever necessary. Claims without support documents will not be considered.

8. GENERAL TERMS AND CONDITIONS

This tender and any order resulting from this tender shall be governed by the following terms and conditions of contract and the supplier quoting against this tender shall be deemed to have read and understood the same. In case, counter terms & conditions of business have been offered by the supplier, NIELIT Chennai shall not be deemed to be governed by those unless specific written acceptance thereof has been obtained from NIELIT Chennai.

8.1 Terms of Prices: The rates are FOR (Freight On Receipt) destination, NIELIT Chennai Centre, First Floor, ISTE Complex, No. 25, Gandhi Mandapam Road, Chennai-600025. Rate quoted by the tender ***should be inclusive of sales tax, VAT, service tax, octroi, local charges and all other levies, if any.*** However, ***break up has to be shown clearly.***

8.2 Validity of quote: The quotation shall remain valid for a minimum period of 60 days from tender opening date.

8.3 Performance Bank Guarantee: Vendor shall submit a Performance Bank Guarantee for 10% of purchase order value covering standard warranty period or minimum 1 year from the date of successful testing and final acceptance of stores by consignee.

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8.4 Payment terms: 90% of the payment would be payable against proof of supply, installation and testing, balance 10% would be payable only after successful demonstration and final acceptance of stores by consignee and on submission of the performance bank guarantee as given above Para.

8.5 Discount: Rate of discount if any, applicable (on basic price / landed price etc), should be clearly spelt out both in figures and words. However, no conditional discount will be considered for the purpose of evaluation of the offer (ranking).

8.6 Insurance: The supplier shall insure goods at their cost for all risks till acceptance of goods by end user.

8.7 Liquidated Damages: Delivery time is the essence of the contract. In the event of any delay in supply beyond the agreed delivery schedule, liquidated damages will be recovered @ 0.5% per week of delay or part thereof subject to a maximum of 5% of the value of the order.

8.8 Force Majeure: If the execution of the purchase order is delayed beyond the declaration of an embargo or blockage or fire, flood, acts of nature or any other contingency beyond the supplier's control due to act of God, then NIELIT Chennai may allow such additional time by extending the delivery period as justified by the circumstances of the case and its decision in this regard shall be final. Power failure will not be considered as a Force Majeure condition.

8.9 Risk purchase: In case of failure to deliver the goods within the delivery date stipulated in the purchase order unless prior extension of delivery period is obtained, NIELIT Chennai will be at liberty to obtain such items as necessary from other source and / or cancel the order and in either case NIELIT Chennai reserves the right to recover from the supplier the additional amount spent plus 10% to cover incidental expenses.

8.10 Dispute Resolution: Any dispute arising out of purchase order or interpretation of any clause or terms and conditions hereof shall be settled through conciliation by both NIELIT Chennai and the supplier, under the specific provisions of Arbitration and Conciliation Act 1996. Only courts in Chennai in the state of Tamil Nadu have exclusive jurisdiction over this order.

8.11 Conflicts: In case of conflict in interpreting the conditions of the documents forming part of this enquiry, the decision taken by the Director, NIELIT Chennai shall be final and binding and accepted by the vendor.

8.12 Right to Reject: NIELIT Chennai reserves the right to reject or accept or withdraw the tender in full or part as the case may be without assigning reasons thereof. No dispute of any kind can be raised against this right of buyer in any Court of law or elsewhere.

Items Tendered for: Digital Signal Oscilloscope of 1GHz - BW

9. Technical Specification

S.No	Specifications	Minimum Requirement	QTY
1.	Bandwidth	1GHz	02 Nos
2.	Sampling Rate	Min 5GS/s per Channel	
3.	Memory Depth	Max5Mpts per Channel	
4.	No. of Channel	4	
5.	Display	Colour LCD/TFT Display	
6.	Time Base Range	Min 400 ps/Div to 1000 s/Div	
7.	Trigger Modes	Auto, Normal, Single and Force	
8.	Trigger Source	Analog Channel	
9.	Time Measurement	Period, Frequency, Width, -Width, Rise time, fall time, delay Phase, +duty cycle, -duty cycle & 5 digit Hardware Counter	
10.	Cursor Measurements	Manual, Auto & Track, Δt , ΔV & Frequency	
11.	Math Functions	FFT, Add, Subtract, Multiply	
12.	PC connectivity	USB, LAN	
13.	Standard Accessories	1) 4 BNC Cables for 4 channels, User Manual, Power Card 2) Computer Interface: Preferable	
14.	Interfaces	USB, LAN with VGA O/P for Classroom Projection.	
15.	Software to be supported	NI Lab VIEW, PC compatible Software's	
16.	Onsite Warranty	3 years	

10. Additional Requirements:

- A. All items should be from OEM and Branded product (Assembled product would summarily be rejected).
- B. Materials should have been certified / compliance to standards internationally in all aspects.
- C. Product quoted should have minimum 3-year warranty.
- D. The selected vendor should be able to execute the order within 30 days from the date of release of purchase order.
- E. Detailed specifications should be furnished for the items offered. Product brochures & Literatures should be enclosed in Technical Bid.
- F. A complete list of optional utilities (if any) along with specifications and cost should be given
- G. Installation and demonstration is the part the supply of materials to NIELIT Chennai. No extra cost will be paid for this purpose.
- H. Adequate provision in respect of free services, on-site warranty, maintenance and other facilities should be specified along with the technical bid.
- I. During the warranty period stand by unit shall have to be arranged by the supplier, if the unit could not be repaired within a week of breakdown.
- J. The Vendor shall arrange to demonstrate at NIELIT Chennai, the features and capabilities of the System offered during the technical evaluation, if required.
- K. Delivery period as required by the purchaser should be accepted and expected time of delivery to be indicated.
- L. User manuals, technical manuals and Service manuals are to be supplied while installation.
- M. The supplier has to arrange demonstration (operational training) at NIELIT Chennai at their own cost.

It is compulsory to Submit the following Annexures with supporting documents:-

- (i) Duly filled & Signed Technical Specification Annexure-I*
- (ii) Duly filled & signed Price Bid- Annexure-II*
- (iii) Details of Supplier – Annexure – III*

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Annexure-I

Technical Bid

- Duly filled, signed and placed in a separate envelope along with supporting documents.

Product Name			
Brand Name			
Model			
S.No	Specifications	Minimum Requirement	Available Specification (Specify exact Specification. Do not write Yes/No)
1.	Bandwidth	1GHz	
2.	Sampling Rate	Min 5GS/s per Channel	
3.	Memory Depth	Max5Mpts per Channel	
4.	No. of Channel	4	
5.	Display	Color LCD/TFT Display	
6.	Time Base Range	Min 400 ps/Div to 1000 s/Div	
7.	Trigger Modes	Auto, Normal, Single and Force	
8.	Trigger Source	Analog Channel	
9.	Time Measurement	Period, Frequency, Width, -Width, Rise time, fall time, delay Phase, +duty cycle, -duty cycle & 5 digit Hardware Counter	
10.	Cursor Measurements	Manual, Auto & Track, Δt , ΔV & Frequency	
11.	Math Functions	FFT, Add, Subtract, Multiply	
12.	PC connectivity	USB, LAN	
13.	Standard Accessories	1) 4 BNC Cables for 4 channels, User Manual, Power Cord 2) Computer Interface: Preferable	
14.	Interfaces	USB, LAN with VGA O/P for Classroom Projection.	
15.	Software to be supported	NI Lab VIEW, PC compatible Software's	
16.	Onsite Warranty	3 years	

- ✓ For Optional Accessories and maintenance terms, attach separate sheets.
- ✓ Attach product brochure /technical literature.
- ✓ Available Specifications of offered model of Digital Signal Oscilloscope for 1GHz - BW is to be written clearly in the column of "Available Specification" of above table. Offers without clear specifications on the said column, will be treated as non-compliance

Place :
Date :

Signature of supplier
(With Rubber Stamp)

Price Bid (in Rupees only)

- Duly filled & signed placed in a separate sealed envelope.

SN	Items Description	Qty.	Unit Rate (Rs.)	Total Cost (Rs.)	Tax Amount	Total Cost (Inclusive of all)
1	Digital Signal Oscilloscope of 1GHz - BW	02 Nos				

The rate quoted by the tender ***should be inclusive of sales tax, VAT, service tax, octroi, local charges and all other levies, if any.*** However, ***break up has to be shown clearly.***

Taxes & Duties :All included
Delivery Period : 30 days
Transporting :Inclusive
Installation & Demonstrations :Inclusive
Validity : 60 Days from the day of tender opening
Warranty : 3 Years

Payment Terms : 90% of the payment would be payable against proof of supply and installation and testing, balance 10% would be payable only after successful demonstration and final acceptance of stores by consignee and on submission of the performance bank guarantee for 12 months from the date of successful supply, installation, testing and demonstration of all mentioned items.

DECLARATION

1. This is certified that the rates quoted above are not more than the rates charged from any other Institution / Department / Organization.
2. I / We have gone through the terms & conditions stipulated in the tender document and confirm to abide by the same.
3. No other charges would be payable by purchaser.

Place :
Date :

Signature of supplier
(With Rubber Stamp)

Details of Supplier

Duly filled and enclosed with technical Bid.

➤ **Name and Complete address of the firm* :-**

➤ **Contact details:**

Contact Person: _____ **Designation:** _____

Off. Ph. No.* : _____

Mobile No. * : _____

FAX No. * : _____

E-mail No.* : _____

➤ **VAT TIN No..*** :- _____
(Enclose photocopy)

➤ **Central Sales Tax (CST) No*** :- _____
(Enclose photocopy)

➤ **Service Tax /Excise Registration No* :-** _____
(Enclose photocopy)

➤ **Income Tax P.A.N. No.*** :- _____
(Enclosed photocopy)

➤ **Details of ITCC / NSIC / DGS&D Registration.*** :- _____
(Enclose photocopy)

**Compulsory applicable, vendor has to fill up carefully,*

Date:

Name & Signature

Seal of the Firm Address: