



Autonomous Scientific Society of Ministry of Electronics & Information Technology, Govt. of India)

NIELIT CALICUT

NIT Campus Post, CALICUT-673 601, KERALA

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LIMITED TENDER ENQUIRY

By Speed Post

Date: 31.01.2020

Ref. No.: 2(1150)/2019-20 /ASIC/DUALCHGEN

To

DUE DATE: 20.02.2020

1. Quotations are invited for the supply of the items as per Annexure.
2. The quotations duly **SIGNED, SEALED AND SUPERSCRIBED ON THE ENVELOPE WITH THE REFERENCE No. AND DUE DATE**, should be addressed to the undersigned so as to reach on or before the due date stipulated above. Quotations received after the due date will not be considered.
3. The quotations should be valid for acceptance for a period of **sixty days** from the due date
4. Quotations will not be accepted by Fax, Email or any such electronic data transfer form.
5. The quotations should be for goods exactly conforming to our requirements and specifications.
6. If the item is under DGS&D Rate contract, the number and the price applicable must be mentioned. It may also please be indicated whether the supply can be made direct to us at the DGS&D Rate Contract Price.
7. Relevant literature pertaining to the items quoted with full specifications and drawings, if any should be sent along with the quotations, wherever applicable. Samples, if called for, should be submitted free of charges and collected back at the supplier's expenses.
8. Copy of Manufacturing licence, Principal or Authorized Distributor/Dealer Certificate, and Proprietary Certificate, as applicable, should be enclosed.
9. Quotations should be for **free delivery** at our Centre and should clearly specify the **delivery period**. If delivery quoted is Ex-Godown/Consignor Station, delivery charges consisting of freight, packing & forwarding charges, insurance, etc. should be indicated separately. Goods should be supplied duly carriage paid and insured.
10. GST Registration Number of NIELIT Calicut is: **32AAATD0315M1Z6**. GST or any other taxes may be charged as per the rates applicable to Scientific/Educational institutions.
11. Security Deposit @ 5% of the Purchase Order/Invoice value shall be retained, in case order/contract value exceeds Rs.1 lakh, which will be released after the expiry of warranty period.
12. Goods shall not be supplied without an official purchase order.
13. Payment : Payment will be made after completion of supply, installation/assembly and commissioning of the items covered by the order along with necessary spares supplied to the entire satisfaction of NIELIT CALICUT. Payment against invoices shall normally be made within 30 days of receipt and acceptance of equipment/materials at our office. **No advance payment will be made under any circumstance.**
14. Incomplete quotations and quotations which do not comply with all the above instructions are liable to be summarily rejected.
15. NIELIT CALICUT does not bind itself to accept the lowest or any such quotation and has the right to accept or reject whole or any part of tenders or a portion of the supply of goods without assigning any reasons. No correspondence in case of rejected tenders will be entertained.
16. **Earnest Money Deposit (E.M.D.) for Rs. 16,250/- be deposited by NEFT in the Bank Account No. 10401158037 (IFSC: SBIN002207) at State Bank of India, NIT Calicut Branch, CREC Campus, Chathamangalam, Calicut – 673 601, in favour of Director, NIELIT CALICUT, failing which the quotation will be rejected. Proof of Deposit of EMD amount with Tenderer's Bank Account No. and IFSC No. should be submitted with the Quotation.**

Yours faithfully,

**Purchase In-Charge
For Executive Director**

Encl: Annexure

ANNEXURE TO ENQUIRY

Your Quotation No.

Date:

1	Name of item(s)	55 MHz Dual Channel Arbitrary Signal Generator – 1 No
2	<i>Specifications & Quantity</i> As per Specifications attached.	
3	Price per unit in Rs. (in figures & words)	Attach separate list, if required.
4	Total Price in Rupees (in figures & words)	
5	Delivery Period	
6	Terms of Delivery	
7	Taxes, Duties, Octroi & any other statutory levies or charges	
8	Transportation, Insurance, Packing & Forwarding etc.	
9	Discount/off etc., if any	
10	GST Registration No.	
11	Payment Terms	
12	Validity of Tender	
13	Warranty	
14	Any other remarks / EMD Amount and Payment details	
15	Signature of the Tenderer with Name and Date	
16	Address with Email ID & Mobile No.	
17	Central Public Procurement Portal (www.eprocure.gov.in) Registration, Email login ID	

- NB:** (1) The prices quoted and Taxes charged should be Academic/Educational Prices/rates, wherever applicable.
- (2) Enquiry for the above items and specifications can also be downloaded from our website <http://nielit.gov.in/calicut> or www.eprocure.gov.in
- (3) Please register at www.eprocure.gov.in and intimate login details without fail. Watch website for regular updates.

Specification of 55MHz Dual Channel Arbitrary Signal Generator- 1 No.

Sl. No.	Item	Details	Compliance (Y/N)
	Mention Make and Model		
1	Frequencies	Sine - 1 μ Hz to 50 MHz, Square - 1 μ Hz to 40 MHz, Pulse – 1mHz to 40 MHz Ramp - 1 μ Hz to 800KHz, Arbitrary : 1 mHz to 25 MHz,	
2	No of channels	2	
3	Modes	Should have basic and advanced modes selectable with extended performance	
4	Sine Amplitude Flatness @ 1KHz (typical)	± 0.1 dB or better	
5	Harmonic distortion (1 Vp-p), typical	< -70 dBc (< 20 KHz) or better	
6	Pulse width	Should be settable from 10 ns to 999S with resolution of 10pS/5digits	
7	Noise Bandwidth	150MHz or better of white Gaussian type	
8	Arbitrary	2 to 128 K Points, up to 1Gsa/S on lower length, with 14Bit or better resolution Edge transition from ≤ 3.5 ns edge should be available and jitter must be 2.5 ps	
9	Amplitude	1mV to 10V into 50 Ω with 0.1mV resolution or better	
10	Vertical Resolution	14 Bits or better, 250Msa/S sampling rate	
11	Load impedance	Should be Selectable: 50 Ω , 1 Ω to 10.0 k Ω , High Z	
12	Modulations	At least AM, FM, PM, FSK, PWM or more with sweep and burst	
13	Isolation	42 Vpk maximum to earth or better	
14	Arbitrary waveform creation	should be able to draw and edit arbitrary waves through touch screen	
15	Display	should have touch screen display, at least of 9-inch, with resolution of 800 * 480	
16	I/O connections	External Modulation in, External Trigger in, Reference Clock in, Trigger out, Clock out	
17	Feature	Should have oscilloscope mode to see the actual signal being loaded at the device. Should have cable propagation delay correction. Should be able to synchronise with one more similar equipment for multi channel generation	
18	Propagation delay measurement	0 to 20 ns (approximately 4 m/13 feet in length), accuracy of ± 500 ps	
19	Modulations	Sweep, Burst, and Modulation modes (AM, FM, PM, FSK, and PWM)	
20	Connectivity	Should have GPIB, USB, LAN connectivities for remote programming with	

		drivers	
21	Items to be supplied	BNC Cable, USB Cable, NIST-traceable calibration certificate, Warranty statement, User manual and programming manual, power cord	
22	Other accessories needed	N (m) to SMA (m) Cable of 1M, Attenuator 30dB 5W and 6GHz	
23	Warranty	3Year standard.	
24	Authorisation letter	Vendor should submit the letter from the manufacturer	

A line by line compliance statement of each specification along with the reference point in page nos of data sheet is mandatory with the tender.

Sign of Authorized Signatory with Name & Seal