

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT**N.I.T. Campus (P.O.), Kerala - 673601, India****Tel. : 04952286101, 109, 115, 116****EMAIL: purchases8@nitc.ac.in****QUOTATION NOTICE****MAIN STORE**

Date : 14-October -2026

SEALED QUOTATIONS are invited for the supply of the stores given in Schedule C. **The tenderers are requested to send their quotations (as per the format given in schedule D) in sealed covers with the quotation number and last date for receipt of quotation superscribed.** Wherever indicated, samples may be furnished at the tenderer's expense unless otherwise specified. The tenderers are requested to follow the instruction given in Schedule A. This Institute cannot accept terms and conditions of payment other than the alternative given in Schedule B.

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|--|--|---------------------------------|
| 1. Quotation Ref No. | RC0908/S8/ECED/ANRF-ARG/HA/CON/2026-27/QT1 | |
| 2. Last Date for receipt of Quotation | 04-11-2026 | Up to (IST) Time 5:30 PM |
| 3. The quoted rates should be valid up to | 3 Month | |
| 4. Address to which quotation are to be sent | The Director | |
| | Kind attention Section-in charge (Research & Consultancy) | |
| | NIT Calicut | |
| | NIT Calicut (P.O.) | |
| | 673 601 | |

**AR (R&C)**

(Signature)
14/10/26
सहायक कुलसचिव

Assistant Registrar
अनुसंधान और परामर्श
Research and Consultancy
राष्ट्रीय प्रौद्योगिकी संस्थान कलिकट
National Institute of Technology Calicut
केरल - 673601 / Kerala - 673601

To

1

SCHEDULED A - INSTRUCTIONS TO TENDERERS

- Quotations should contain the complete specification and brand names.
- All taxes, packing and forwarding charges (if any) and any other charges should be clearly shown
- Prices quoted should be F.O.R. NIT CAMPUS, CALICUT.
- Period within which the items can be supplied of firm order should be clearly mentioned.
- Quotations containing conditions like "subject to prior sale" may not be considered.
- Quotations received after the due date is liable to be rejected.
- The Quoted amount should be in INR Only.

SCHEDULED B - CONDITIONS OF PAYMENT

One of the following conditions of payment should be accepted if the quotation is to be considered.

- 100% payment after the receipt of the items in good condition.

Normally, complete payment will be made within 45 from the date of receipt of the items.

(b) The supplier shall furnish Performance Security Deposit and Form Contract as follows:

- (i) Execute a Form of contract as per Institute standard format on stamped paper of Govt. of Kerala or Govt. India stamped paper worth RS.200/-.
- (ii) In case of value of purchase order above one lakh with warranty of the item, furnish a performance security deposit@3% of the Supply Order value for the due fulfillment of the contract. This security shall be in the form of a Bank Guarantee/ FDR in favor of the Director, NIT, Calicut from any scheduled bank valid for a period of sixty days beyond the contractual obligations including warranty.

(c) In case the supplier fails to deposit the required security and execute the contract bond on stamped paper of GOI or Govt. of Kerala (Specimen enclosed) by the due date, contract is liable to be cancelled without prejudice to taking any further action to recover damages for any loss sustained by THE DIRECTOR as result of supplier's refusal to abide by the terms of contract

- (a) Invoice number and date
- (b) Customer name
- (c) Customer and taxpayer's GSTIN (if registered)
- (d) Place of supply
- (e) Item details i.e. description, quantity (number), unit (meter, kg etc.), total value
- (f) Taxable value and discounts
- (g) Rate and amount of GST tax rates.
- (h) Signature of the supplier.
- (i) PAN number should be indicated.

SCHEDULED C - Technical Specification and Delivery Terms

(See Annexure - I)

SCHEDULED D - Format of Quotations

(For use of the bidder. See note below)

Format of Quotations

Quotation Ref. No.:

Last Date :

Sl.No.	Description of Goods (Attach necessary brochures)	Specification	Qty.	Unit	GST	Other Charges (if any)	Total Cost
GRAND TOTAL							

1. We agree to supply the above goods in accordance with the technical specification for a total contract price of Rs. _____ (amount in figures) (Rupees _____ only) (amount in words) within the period specified in the Invitation for Quotations.
2. We also confirm that commercial warranty/guarantee of _____ months shall apply to the offered goods from the date of installation/commissioning.
3. We undertake that in competing for (and if the award is made to us in executing) the above contract of supply of goods. We will strictly observe the laws against fraud and corruption in force in the Republic of India as required by National Institute of Technology Calicut.

Signature of the Bidder

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Place:
Date:

Note:

1. Above tabular form is applicable while bids are being invited for more than one item and will be evaluated for all the items together. Modify the format accordingly where evaluation would be made for each item separately
2. Quotations should be submitted on the official stationery of the bidder)

List of Enclosures: (1) Annexure 1

(2) _____ (3) _____

SCHEDULE C :

Sr. No.	Detailed Description	Quantity	Whether Samples are to be sent
1.	Horn Antenna (Detailed specification attached)	1.00 NO	

Supply of **Horn Antenna**

General Instructions

1. The bids should be accompanied by complete datasheet of the product with make and model number.
2. The bid should include all local taxes (e.g. GST) and should include delivery up to *Department of Electronics and Communication Engineering, NIT Calicut*, and should be quoted in INR.
3. Appropriate OEM authorization certificate should be included along with the bid documents.
4. Warranty of *1 Year* should be included.

Required Minimum Specifications

Table 1: Electrical specification.

Parameter	Value
Frequency, Min (GHz)	1
Frequency, Max (GHz)	10
Gain (dBi) & Antenna Factor (dB/m)	Refer to Table 2 and Table 3
Polarization	Dual Linear (Horizontal and Vertical)
3 dB Beamwidth	Refer to Table 7a
10 dB Beamwidth	Refer to Table 7b
Cross Pol. Isolation	Refer to Table 4a and Table 4b
Port to Port Isolation	Refer to Table 5
VSWR, Typ	Refer to Table 6a and Table 6b
Impedance (Ω)	50
Power Handling, CW (W)	50
Power Handling, Peak (W)	100
Connector	2 x SMA Female (Port H & Port V)



Table 2: Minimum Gain and antenna factor (AF) at 1m for horizontal and vertical polarization.

Frequency (GHz)	Horizontal		Vertical	
	Gain (dBi)	AF (dB/m)	Gain (dBi)	AF (dB/m)
3.0 - 4.0	9.5	29	9.5	29
1.0 - 10.0	6	23	6	23

Table 3: Minimum Gain and antenna factor (AF) at 3m for horizontal and vertical polarization.

Frequency (GHz)	Horizontal		Vertical	
	Gain (dBi)	AF (dB/m)	Gain (dBi)	AF (dB/m)
3.0 - 4.0	10	29	10	29
1.0 - 10.0	5.5	23.5	5.5	23.5

Table 4: Minimum Cross-polarization isolation versus frequency.

(a) Port H		(b) Port V	
Freq. (GHz)	Cross-pol. isolation (dB)	Freq. (GHz)	Cross-pol. isolation (dB)
3.0 - 4.0	-26	3.0 - 4.0	-26
1.0 - 10.0	-24	1.0 - 10.0	-24

Table 5: Minimum Port to Port isolation versus frequency.

Freq. (GHz)	Port to Port isolation (dB)
3.0 - 4.0	-32
1.0 - 10.0	-31

Table 6: Maximum VSWR versus frequency.

(a) Port H		(b) Port V	
Freq. (GHz)	VSWR	Freq. (GHz)	VSWR
3.0 - 4.0	1.3	3.0 - 4.0	1.3
1.0 - 10.0	2	1.0 - 10.0	2

Table 7: Maximum 3 dB and 10 dB beamwidth for E-plane and H-plane versus frequency.

(a) Maximum 3 dB beamwidth			(b) Maximum 10 dB beamwidth		
Freq. (GHz)	E-plane (deg)	H-plane (deg)	Freq. (GHz)	E-plane (deg)	H-plane (deg)
3.0 - 4.0	60	40	3.0 - 4.0	100	80
1.0 - 10.0	65	70	1.0 - 10.0	180	140