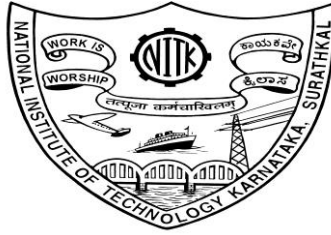


NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
 POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)
 Phone: (0824) 2474000. Fax: (0824) 2474033
 E- mail: info@nitk.ac.in Website: <http://www.nitk.ac.in>



NOTICE INVITING QUOTATION

Notification. No: NITK/EC/OH35/Q/614/2022

dated: 18/03/2022

Name of Goods	Software Defined Radio (SDR) - Analog Devices
Estimated Amount:	₹ 2.1 Lakhs
Time for Supply of item after release of Purchase order	15 (Days)
Document Download / Sale Start Date	18/03/2022
Clarification Start Date	N/A
Clarification End Date	N/A
Bid Submission Start Date	18/03/2022
Last Date for submission of bids	28/03/2022 before 3.00 PM
Bid Opening Date	28/03/2022 at 4 PM
Address for Submission of bids Address of the Department and Contact Person Details	Head of the Department, E&C Engg., P.O.Srinivasnagar, NITK Surathkal, Mangalore, D.K Kind Attention : Prof. Ashvini Chaturvedi Phone: 0824-2473046, Mob: 9481271290



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dated: 18/03/2022

NOTICE INVITING QUOTATION (NIQ)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under Ministry of Education Govt of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Director, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

Name of Goods	Software Defined Radio (SDR) - Analog Devices
Estimated Amount:	₹ 2.1 Lakhs
Time for Supply of item after release of Purchase order	15 (Days)
Document Download / Sale Start Date	18/03/2022
Clarification Start Date	N/A
Clarification End Date	N/A
Bid Submission Start Date	18/03/2022
Last Date for submission of bids	28/03/2022 before 3.00 PM
Bid Opening Date	28/03/2022 at 4 PM

Sd/-
[HOD]

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee.

SECTION-1
Terms and Conditions

1. The rates should be quoted for preferably FOR destination from supply within India.
2. The bidder shall indicate the excise duty exemption for the goods if applicable.
3. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any. The rate should be quoted in INR only
4. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
5. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
6. Guarantee/Warranty period should be specified for the complete period should be specified in section 3 of this tender document.
7. Period requirement for the supply and installation of item should be specified in section 3 of this tender document.
8. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.
9. **The buying organization is under the 5% GST Concessional category & Payment will be made with 5% GST on the Taxable amount (base rate).**

SECTION-2
SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS
[To be filled up by the Department / Centre of NITK, Surathkal]

Item(s) Name to be Procured : **Software Defined Radio (SDR) - Analog Devices**

Brief Specifications of the Item(s)
(Attach Additional Sheet if necessary) : Attached

Quantity : **7 Nos.**

Any other details / requirement : N/A

Warranty Period required : **≥ 2 Year**

Delivery Schedule expected
after placement of Purchase order
(in Weeks) : 2 Weeks

Software Defined Radio (SDR)

Detailed Specifications:

Quantity: 7 Nos.

Function	Both Transmitter and Receiver
RF coverage of Transmitter and Receiver	VHF and UHF band
Instantaneous Bandwidth	Up to 20MHz
ADC and DAC resolution	12bit, Flexible rate
Connector Type	Female SMA, 50Ω
Mode of Operation	Half or Full Duplex
Interface	USB 2.0
Modulation Accuracy (EVM)	-34dB or less
Software support	MATLAB/Simulink, GNU Radio, Python, C, C++, C#
Enclosure	Plastic or Metal
Accessories	Two antennas, one SMA cable, one USB cable
Frequency accuracy	±25ppm
Transmitter power output	7dBm
Receiver Noise Figure	Less than 3.5dB
ADC and DAC Sampling rate	Greater than 60MSPS
Operating system	Windows, Linux
Warranty Period	≥ 2 Year

SECTION 3
PRICE SCHEDULE

[To be used by the bidder for submission of the quotation]

-
1. Item Name :
 2. Specifications
(Conforming to Schedule of requirements
Enclose additional sheets if necessary) :
 3. Currency and Unit Price :
 4. Quantity :
 5. Item Cost (Sl No. 3 * Sl. No. 4) :
 6. Taxes and Other Charges :
(i) Specify the type of taxes and duties
in percentages and also in figures.
(ii) Specify Other Charges in figures.
 7. **Warranty Period** :
(Conforming to the Schedule of requirements)
 8. Delivery Schedule :
(Conforming to the Schedule of requirements)
 9. Name and address of the Firm for
placing purchase order :
 10. Name and address of Indian authorized
agent (in case of imports only) :

Signature of the Bidder: _____

Name and Designation: _____

Business Address : _____

Place:

Date:

Seal of the Bidder's Firm

SECTION 4
CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder: _____

Name : _____

Business Address : _____

Place :

Date :

Seal of the Bidder's Firm