

# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

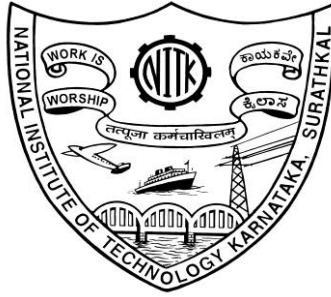
DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)  
A DEEMED UNIVERSITY

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## TENDER DOCUMENT

Tender Notification . No: NITK/EC/IRG/FG/T/301/2019

Dated:15/07/2019

<b>Name of Goods</b>	<b>: Function /Arbitrary Waveform Generator</b>
<b>Quantity</b>	<b>: 10 Nos.</b>
Estimated amount put to Tender	: <b>Rs. 15 Lakhs</b>
E M D Amount (2%)	: <b>Rs. 30,000/-</b>
EMD Fee Payable to	: Director, NITK Surathkal
EMD Fee Payable at	: Surathkal
Time for Supply of item	: 4 weeks
Last Date for submission of tender	: <b>05/08/2019 before 3.00 PM</b>
Address for Submission of Tender :	Head of the Dept.,E&C Engg.,NITK, Surathkal, P O Srinivasnagar - 575025, D.K
Phone: 0824-2473046, 3520	
Kind Attention: <b>B Nagavel</b>	– <b>Mob:08217390448</b>
Date of opening of technical bid	: <b>05/08/2019 before 3.30 PM</b> (if possible)



**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL**

**Department of Electronics And Communication**

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**NOTICE INVITING TENDER (NIT)**

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an autonomous body under Ministry of HRD Govt of India , a Deemed University , imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Tenders are invited for the following items in **two cover system** (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or its authorized dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened on the same day if possible in the presence of bidders or their authorized agents who may choose to be present. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

**1. Name of Goods : Function /Arbitrary Waveform Generator**

**2. Quantity : 10 Nos.**

**3. Estimated Cost : Rs. 15 Lakhs (Rupees Fifteen Lakhs only )**

**4. E M D : Rs. 30,000/- ( Rupees Thirty Thousands Only)**

**5. Time for completion of Supply after Placing Purchase Order : 4 weeks**

**6. Last date at time for submission of Tender : 05/08/2019 before 03:00 PM**

**7. Tender to be submitted at the following address : Head of the Dept.,E&C Engg.,NITK,  
Surathkal, P O Srinivasnagar - 575025, D.K**

Phone: 0824-2473046 ,2473520

**8. Place, Date and Time of opening of technical bid (if possible) :**

**Date : 05/08/2019 Time :3:30 PM VENUE:NITK Board Room**

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

Sd/-

[Signature of HOD With Seal]

## **SECTION 1 : INSTRUCTION TO BIDDER (ITB)**

1.The tender(s) must be enclosed in a sealed cover super-scribing Tender number/Due date & should reach HOD, Department of E&C Engg, NITK Surathkal on or before due date mentioned in the tender notice. If the Tender cover not sealed, it will be rejected. Tender(s) received beyond the last date of submission shall be summarily rejected and no claim of tenderer shall be entertained in respect of receipt of tenders at the later date. No tender will be entertained by E-mail or Fax

**2.Envelope No.1 – Technical Bid:** The agencies should give details of their technical soundness and provide list of customers of previous supply of similar items to Universities, Institutes or Government Departments/ Undertakings/ public sectors with contact details. The details of the agency/ profile should be furnished along with the copy of all related documents. This envelope should be sealed and duly super-scribed as “**Envelope No. 1 – Technical Bid**”. Full name and address of the agency should also be mentioned on envelope and should be addressed to The Director, NITK, Surathkal.

### **2.1. Documents to be submitted in the technical bid :**

- a) The agency should possess Licence certificate for manufacture /supply of the item.
- b) List of Owner/partners of the firm and their contact numbers
- c) The agency should possess Income tax PAN number.
- d) The agency should possess VAT registration and TIN number.
- e) Catalogue of the Product with detailed product specifications.
- f) List Service Centres
- g) List of customers with contact details.
- h) The average annual turnover in the three financial years 2014-15,2015-16 & 2016-17 should not be less than 30% of the estimated cost put to tender/quotation for the job work. The copy of the Balance sheet, Profit & Loss A/c., Trade or Manufacturing A/c for the above mentioned three financial years should be enclosed.
- i) Warranty Period Offered for the tendered item to be specified. If the Warranty period is not conforming with the schedule of requirements given in section 3 of the document, the bid is liable to be treated as non-responsive and rejected.
- j) EMD should be enclosed separately in an envelope and stapled with Technical Bid document super-scribing EMD. **EMD in original form valid for minimum six months, through Bank Guarantee** only drawn from any nationalized bank in favour of “**Director NITK, Surathkal**”, payable at Surathkal should be submitted. EMD shall bear no interest. Any bid not accompanying with EMD is liable to be treated as non-responsive and rejected. EMD will be refunded to the unsuccessful bidders on finalization of the tender process.
- k) Contract form given in section 5 need to be submitted.

### **3. Envelope No.2 – Financial bid:**

- a) After evaluation of technical bid, the technically successful bidder shall be intimated to witness the opening of their financial bids, through e-mail only whereby they will be intimated date,time, place and venue for the opening of financial bid. Financial bid of only those tenderer will be opened who are declared “Technically Successful or Technically Responsive Bid”. In the event of the due date of receipt and opening of the tender being declared as a holiday for the Institute , then due date of receipt/opening of the tender shall be the next working date at the same time,venue.

b) Price Bid must be submitted in the enclosed Price Bid Form **given in Section 4** only. If the price is not quoted in Price Bid Form only provided in the tender document then, NITK, Surathkal will reject bid along with forfeiting Earnest Money Deposit. If supplier wishes to give pricing details may be attached in a separate sheet.

4. **The format for the Technical Bid:** Detailed Compliance Sheet is provided in **Section 3(a)**. These must be filled up properly. Under the Compliance column, either the word 'complied' should be written wherever that subcomponent or subsystem offered meets the technical specifications. In case there is any deviation, the word 'deviation' should be written under compliance column. A section should be added in the filled-up compliance sheets, detailing every deviation (citing the corresponding component name), with an explanation as to how and why such deviation does not effect the overall compliance of the offered item.
5. **Both the Envelope No.1 and 2 should be kept in another separate envelope duly super-scribed with the following details.**
  - (i) **Tender Notification Number.....**
  - (ii) **Tender for the supply of .....**
  - (iii) **Not to Open before.....**
6. The Institute does not bind itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the Institute.
7. **Quoting of Price(s):** Price quoted should be in Indian Rupees, free delivery at NITK Surathkal including loading/unloading.
8. The Bid will be accepted only from the manufacturers or its authorized supplier. The Bid must specify the name of the OEM whose item(s) is/are being offered.
9. The Institute **reserves the right to visit to the factory** before or after issue of supply order to satisfy itself regarding quality of production. In case of any remarks /default noted, the EMD will be forfeited even if pre-qualified.
10. The Contract form as per format given in section 5 shall be submitted. Incomplete or conditional tender will be rejected.
11. Details of item to be carried out, approximate quantity and the specifications are mentioned in **"Section 3"** appended to this Notice Inviting Tender.
12. The item to be used is strictly according to the specification and subject to test by the institute/concerned authorities. It must be delivered and installed in good working condition.
13. The Institute reserves the right to cancel or reduce the quantity included in the schedule of requirements at any time after acceptance of the tender with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.

- 14. Performance Security of 5 %** of contract value in terms of Bank Guarantee by nationalized banks shall be given by the successful bidder for 90 days beyond the warranty period within 20 days of the receipt of the Contract Order. In case the contractor fails to deposit the said performance guarantee within the period, including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
- 15. Release of EMD :** The EMD shall be released after receipt of performance security from successful bidder.
- 16. Validity of bids:** The rate quoted should be valid for a minimum of 90 days. Conditional bids will not be considered. No claim for escalation of rate will be considered after opening the Tender.
- 17. Warranty/Guarantee & Onsite skill support: Five Years Onsite Comprehensive OEM warranty** from the date of successful installation and commissioning. The OEM/Authorized Distributors and Dealers must attach a certificate of sales and service facilities, escalation support for on-call service or station engineer etc.
- 18. Imports :** In case, Goods are to be Imported, the Indian agent should furnish authorisation certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.
- 19. Clarification of Tender Document:** A prospective bidder requiring any clarification of the Tender Document may communicate to the contact person given in this notice inviting tender. The contact person will respond to any request for clarification for the Tender Document received not later than 5 working days prior to the last date for the receipt of bids
- 20. Amendment of Tender document:** At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Tender document by an amendment. Further, Institute may at its own discretion extend the last date for the receipt of bids.
- 21.** The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid , the English translation shall govern.
- 22.** The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Institute Purchase Committee is final in all matters of tender and purchase.
- 23. Cancellation of Tender:**  
Notwithstanding anything specified in this tender document, NITK Surathkal in his sole discretion, unconditionally and without having to assign any reserves the rights:
- a) To accept OR reject lowest tender or any other tender or all the tenders
  - b) To accept any tender in full or in part
  - c) To reject the tender offer not conforming to the terms of tender
  - d) To give purchase preference to Public Sector undertakings when applicable as per Govt. Policy/Guidelines.

- 24. Delivery Period :** The delivery period/Time shall be deemed to the essence of the Contract and delivery must be completed not later than such date(s). If the Seller does not perform its obligations within the Delivery Period/Date mentioned in the Contract, the same would constitute the breach of the Contract and the Institute shall have the right to cancel or withdraw the Contract for the unsupplied portion after the expiry of the original or re-fixed delivery date or period stipulated in the Contract. Such cancellation of contract on account of non-performance by the Seller would entitle the Buyer to forfeit the performance security besides other actions such as debarment from the Institute for specified period as decided by Institute on merits.
- 25. Liquidated Damages:** Timely delivery is essence of the contract and hence if the Seller fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered Force Majeure conditions aforesaid, **@0.5% per week or part of the week of delayed period** as pre-estimated damages not exceeding 10% of the contract value without any controversy/dispute of any sort whatsoever.
- 26. Terms of Payment:**
- a) Payment within 30 days from the date of delivery and Acceptance Certificate of concerned Department/Section/Purchase Section.
  - b) Payment shall be made by Cheque or such other mode/electronic fund transfer offered by the Bank. NITK Surathkal will not pay advance payment to party. Any request for Advance payment will be rejected summarily. In case if it is necessary, the advance payment will be paid strictly against Bank Guarantee only.
  - c) Payment will be made by Standard Payment terms and conditions of NITK Surathkal as per tender document only. Any request for a change in payment terms and conditions will not be accepted.
  - d) If the above conditions are not acceptable then tender will be rejected.
- 27. Supervision of erection & commissioning:** Successful Contractor shall depute concerned specialist, for supervision of erection & commissioning of the machine to be carried out. The successful BIDDER shall make necessary arrangement at their own expenses for a stay, transport and other expenses of their specialist during their stay in Mangalore which also includes imparting training to Institute's personnel.
- 28. Legal Matter:** All Domestic and International disputes are subjects to Mangalore Jurisdiction only.
- 29.** Any other details required may be obtained from the contact person given in the notice inviting tender during the office hours.
- 30.** The bidder should give the following declaration while submitting the Tender.

## **DECLARATION**

I/we have not tampered/modified the tender forms in any manner. In case , if the same is found to be tampered/modified, I /we understand that my/our tender will be summarily rejected and full Earnest money deposit will be forfeited and I /we am/are liable to be banned from doing business with NITK, Surathkal and / or prosecuted.

**Signature of the Bidder :** \_\_\_\_\_

**Name and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_

\_\_\_\_\_

**Place :**

**Seal of the Bidder's Firm**

**Date :**

## **SECTION 2 : CONDITIONS OF CONTRACT.**

1. The rates should be quoted for preferably FOR destination from supply within India.
2. In case of import both CIF and/ or FOB rate should be quoted . All components of expenditure to arrive at Bengaluru need to be explicitly specified.
- 3 The bidder shall indicate the excise duty exemption for the goods if applicable.
- 4 The institute is eligible for customs duty exemption, excise duty exemption, issuance of form D.
5. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any.
6. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
7. 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.  
**In case of Imports, the payment will be made through LC / Sight Draft / After Installation, and performance security need to be submitted at the time of LC commitment / issue of sight draft.**
8. Guarantee and Warrantee period should be specified for the complete period conforming to the section 3 of this tender document.
9. Period requirement for the supply and installation of item should be specified conforming to the section 3 of this tender document.
10. All Domestic and International disputes are subject to Mangalore Jurisdiction only.



### SECTION 3 : SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

[ To be filled up by the Department / Center of NITK, Surathkal ]

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Item Name to be Procured : **Function /Arbitrary Waveform Generator**

Type (Equipment / Software / Furniture / Others) : EQP

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

Quantity : **10 Nos.**

Any other details / requirement : Bid Price should be quoted in Indian Rupees

Warranty Period required : **Min. 3 Years from the OEM**

Delivery Schedule expected  
after release of Purchase order  
(in Weeks) : 4 weeks

EMD (in Rupees) : **30,000/-**

Performance Security to be given  
by Successful Bidder after release of  
Purchase Order (in Rupees) : 5% of contract value in term of Bank Guarantee.

## Purchase of Function/Arbitrary Waveform Generator

\* \* \*

### Detailed Specification:

Band width	: $\geq 20\text{MHz}$
Channel	: 1
Output Amplitude	: $\geq 10\text{V p-p}$ into $50\Omega$ load
Sampling Rate	: $\geq 250 \text{ M Sa/s}$
Built in Waveform	: Sine, Square, Triangle, Ramp, Pulse, DC, Noise, Sweep, Burst, $\sin(x)/x$ , Gaussian, Exp. Rise and decay etc.
Modulation Modes	: AM, FM, PM, FSK, PWM etc.
Display	: Colour TFT LCD
Generation of Arb. Waveform	: up to 128K points in length
DC Offset	: $\pm 5\text{V pk}$
Output Impedance	: $50\Omega$
Sync Output	: Yes
Load Impedance	: Selectable $50\Omega$ , $1\Omega$ to $10\text{K}\Omega$
Isolation	: $\pm 40\text{Vpk}$ to earth
Short Ckt Protection	: Yes (Over voltage and Current)
External Voltage Protection	: Yes
Remote Programming	: USB, GPIB, LAN, Bluetooth (Optional)
Calibration Certificate	: Yes

### Terms & Condition:

Warranty	: Min 3yrs from the OEM
Make & Model	: To be mentioned with broacher for detailed specification.
Price	: Inclusive of all taxes
Payment	: Against delivery
Deliver	: 4 weeks
Quotation validity	: 3 months

## SECTION 4 : PRICE SCHEDULE

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

- 
- |     |   |   |
|-----|---|---|
| 1.  | Item Name   | : |
| 2.  | Specifications<br>(Conforming to Section 3 of<br>Tender document- Enclose additional<br>sheets if necessary)  | : |
| 3.  | Currency and Unit Price   | : |
| 4.  | Quantity  | : |
| 5.  | Item Cost (Sl No. 3 * Sl. No. 4 )   | : |
| 6.  | Taxes and Other Charges<br>(i) Specify the type of taxes and duties<br>in percentages and also in figures.<br>(ii) Specify Other Charges in figures.  | : |
| 7.  | <b>Warranty Period</b><br><b>(Conforming to the Section 3 of</b><br><b>Tender document- This should be</b><br><b>mentioned in technical bid also in</b><br><b>order to get qualified for financial bid)</b> | : |
| 8.  | Delivery Schedule<br>(Conforming to the Section 3 of<br>Tender document   | : |
| 9.  | Name and address of the Firm for<br>placing purchase order  | : |
| 10. | Name and address of Indian authorized<br>agent ( in case of imports only)   | : |

**Signature of the Bidder :** \_\_\_\_\_

**Name and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_

**Place :**

**Date :**

**Seal of the Bidder's Firm**

## SECTION 5 : CONTRACT FORM

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

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

**Signature of the Bidder :** \_\_\_\_\_

**Name and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_  
\_\_\_\_\_

**Place :**

**Seal of the Bidder's Firm**

**Date :**