

NATIONAL INSTITUTE OF TECHNOLOGY GOA

Farmagudi Ponda Goa 403401

Phone: (0832) 2404206: Fax: (0832) 2404202

NOTICE INVITING QUOTATION

No: NITGOA/EEE/SERB/PUR/2018-19/OW/ 104 Dated: 28/02/2019

NAME OF PROCUREMENT

Supply of Voltage Probe and DSP Controller

National Institute of Technology Goa
Farmagudi, Ponda-Goa 403 401

NATIONAL INSTITUTE OF TECHNOLOGY GOA

Farmagudi Ponda Goa 403401

Phone : (0832) 2404206, 2404205 :: Fax : (0832) 2404202

To

Shri/M/s.....

Address.....

.....

.....

Name of the procurement: **Supply of Voltage Probe and DSP
Controller**

No NITGOA/EEE/SERB/PUR/2018-19/OW/ 104

Dated: 28 / 02 / 2019,

Dear Sir,

A Detailed notice inviting Quotation incorporating the technical specification as well Instructions and Conditions are enclosed herewith.

You are requested to submit your sealed quotation with all relevant documents latest by **11.00 AM on or before 22.03.2019**

Yours faithfully,



Registrar I/C

**National Institute of Technology
Goa**

National Institute of Technology Goa
Farmagudi, Ponda-Goa 403 401

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Phone: (0832) 2404206 Fax: (0832) 2404202

NOTICE INVITING QUOTATION

Ref: NITGOA/EEE/SERB/PUR/2018-19/OW/ 104 **Dated:** 28/02/2019

Sealed Quotations are invited from Bidders for **“Supply of Voltage probe and DSP controller”**.

Quotations will be received up to **11.00 AM on 22.03.2019** and will be opened on the same day at **11.30 AM**, if intending quotationeres want to participate during quotation opening they can do the same or send their representative for the same with proper authorization letter. In case, the day of submission of the quotation happens to be a holiday on account of Govt. notification or weekends and quotation cannot be received or opened, the quotations shall be received/opened on the next working day at **11.30 A.M.** for which no separate communications will be made. Other terms and conditions enclosed.

Last date and time for submission: **Upto 11.00 A.M. on or before 22.03.2019**

Quotation Opening date and time: **At 11.30 A.M. on 22.03.2019.**

Application for Quotation Document must be accompanied by filled in PFMS Form. Quotation Notice can be downloaded from Tender section of website www.nitgoa.ac.in or it can be downloaded from <https://eprocure.gov.in/epublish/app>
. There is no download fee/EMD for the same.

Director NIT GOA has the right to reject any or all the quotations received without assigning any reason thereof.



Registrar I/C

**National Institute of Technology
Goa**

**National Institute of Technology Goa
Farmagudi, Ponda-Goa 403 401**

Instructions to bidders:

1. The bidders should submit the quotation along with mandatory documents to Inward section NIT GOA (Administration office, Main Building) and envelope should be super scribed as Quotation Enquiry No. NITGOA/EEE/SERB/PUR/2018-19/OW/ 104 dated 28/02/2019 for **“Supply of Voltage Probe and DSP Controller”**.
2. Quotation should be addressed to **“The Director, NIT GOA Farmagudi Ponda Goa 403401”**.
3. The rates should be quoted both in figures and words and legibly written without any over-writings. In case of any correction, the same must be attested by the bidder with full signature.
4. In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
5. The last date for receipt of the quotation is marked in the enquiry. In case the above date is declared a holiday for NIT Goa, and the bids will be received up to the appointed time on the next working day.
6. The quotation may be sent by post, so as to reach the office NIT Goa before the last date of receipt, or alternatively, be submitted in the office of the normal working hours of the Institute. **(09.00 A.M. to 05.30 P.M.)**
7. Intending quotationeres requires any clarification in regard to the notice inviting quotation, he may mail to **mikkili.suresh@nitgoa.ac.in** at least **03 days** before last date quotation submission time.
8. Quotation submitted after the last submission date will not be accepted and his quotation will be treated as non-responsive.
9. Intending quotationeres shall submit only one quotation. A quotationeres, who submits more than one quotation, shall be disqualified and considered non-responsive.
10. The quotation shall be opened by the committee in the NIT GOA at the date and time given on the top of the document. The quotationeres may send their authorized representatives to attend the quotation opening with proper authorization letter, if they so desire. In the event of the above quotation opening date being declared holiday for the NIT Goa, then the bids will be opened at the appointed time and place on the next working day.
11. **The quotationeres has to put seal and sign in full at all pages of the quotation notice including all annexures and price bid failing which the bidder will be disqualified.**
12. Director NIT GOA has the right to reject any or all the quotations received without assigning any reason thereof.
13. If the offered item covers the warranty period it has to be mentioned by quotationere in the quotation. (Certificate should be provided). Failing to provide the Product service during warranty period will entitle the firm/proprietor debarment from NIT Goa Procurement.

Conditions of the participation in quotation:

1. The rates quoted should preferably be net, inclusive of all taxes and duties, packing, forwarding, freight, Insurance, training cum demo charges (if any) and all other incidental charges mentioned separately.
2. The delivery period of goods needs to be mentioned by quotationere in the quotation.
However Institute is not bound to accept the delivery period mentioned by quotationere.
3. If insisted, samples shall be provided by the supplier at the entire cost and risk of the supplier. The installation of the equipment and training cum demo should be provided (if required)
4. The bid should remain valid for a period of **45 days** from the date of opening.
5. Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
6. The goods offered should strictly conform to the specification and technical details mentioned in technical specification by NIT GOA.
7. Any Liability regarding GST will be of supplier of products. Also any obligations regarding Indian Acts will be responsibility of supplier of products only.
8. If the successful bidder, on receipt of the supply order, fails to execute the order within the stipulated period, in full or part, it will be open to the Director, NIT Goa to recover liquidated damage from the firm at the rate of 0.5 percent of the value of undelivered goods per week or part thereof, subject to a maximum of 10 percent of the value of undelivered goods beyond due date for delivery. Alternatively, it will also be opened to the Director NIT GOA to accept the part supply by the contractor and arrange to procure remaining items from other mode as per GFR 2017 Rules.
9. Payment (As per goods supplied, after deduction (if any)) will be made by Wire transfer within 30 days from the installation (if any) or receipt of the goods in good condition or receipt of the bill, commissioning of the equipment, where applicable, whichever is later/latest.
10. In the event of any dispute arising out of the quotations or from the resultant contract, the decision of the Director, NIT Goa shall be final.
11. Any disputes arising out of this enquiry shall be dealt in the Goa jurisdiction only.

12. Criteria for Evaluation of Lowest Quotation:-

- a) Technical Specification (refer attached Annexure 1) for all the items. Failing to quote for one or more than one item will result in disqualification in quotation. (Quotation to be submitted on the firm letterhead mentioning GST No. , PAN no. of Firm/Proprietor.)
- b) Signed and stamped copy of entire quotation notice.
- c) Filled and duly signed Bidder information sheet and PFMS Mandate Form mentioned at end of Quotation Notice.
- d) After fulfilling criteria mentioned at point 12 (a-c) those quotation which are lowest in Total (of all items) will be awarded the order.
- e) The vendor has to supply the items as per the specification mentioned in attached Annexure 1.



**Registrar I/C
NIT GOA**

**National Institute of Technology Goa
Farmagudi, Ponda-Goa 403 401**

Financial Bid (Refer attached Annexure 1):-

Sl.No	Name of item with Description	Quantity	Total in Rs.
1.	Current Probe	01	
2.	Voltage Probe	01	
3.	DSP Controller along with JTAG	01	
Total in Rs. (excluding taxes)			
Other charges (if any)			
Taxes in Rs.			
Grand Total in Rs. (In figures)			
Grand Total (In words)			

National Institute of Technology Goa
Farmagudi, Ponda-Goa 403 401

Date:-

PFMS Mandate Form

Sr. No	Details Required	Information
1	Name of Vendor/Supplier	
2	Date Of Birth / Date of Incorporation	
3	Father/Husband Name	
4	Aadhaar Number	
5	GST No	
6	PAN No	
7	Complete Address	
8	City	
9	Country	
10	State	
11	District	
12	PIN Code	
13	Mobile No.	
14	Telephone No.	
15	E Mail Address	
16	Account Holder Name	
17	Bank Name	
18	Bank (Branch)	
19	Bank Address	
20	Account No.	
21	IFSC Code	
22	Swift Code	

I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information I/we would not hold the user Institution responsible.

Name:

Bidder Information Sheet

1	Company Name	
2	Company Registration Number	
3	Registered Address	
4	Name of Partners / Directors	
5	Bidder Type	
6	City	
7	State	
8	Postal Code	
9	PAN/TAN Number	
10	Company's Establishment Year	
11	Company's Nature of Business	
12	Company's Legal Status (<i>Limited Company, Undertaking, Joint venture, Partnership and others</i>)	
13	Company Category (<i>micro unit as per MSME, Small unit as per MSME, Medium unit as per MSME, Ancillary unit, Project Affected person of this company, SSI, Others</i>)	
14	Contact Person Name	
15	Date Of Birth (DD/MM/YYYY)	
16	Correspondence Email	
17	Designation	
18	Phone	
19	Mobile	

Note: If the information is not pertaining to the bidder, in third column he should specify as "Not Applicable" the information sheet should be sealed and signed

Annexure - 1

1. Current Probe: -----1 No.

AC/DC Current probe

Frequency range	DC to 100 kHz
Maximum input current	100 A peak
Output	10 mV/A, 100 mV/A
Maximum conductor diameter	11.8 mm (0.46 in.)
Termination	BNC 1
Maximum bare-wire voltage	600 V (CAT III)
Safety	UL3111-2-032, CSA1010.2.032, EN61010-2-032, IEC61010-2-032

2. High Voltage Probe: -----1 No.

High-voltage Probe

Nominal length	2 m
Attenuation	50X
Bandwidth	500 MHz
Loading	40 M Ω / 3.8 pF
Maximum input voltage, DC or RMS	2.5 kVPeak 1000 VRMS CAT II
Maximum float voltage	600 VRMS CAT II 300 VRMS CAT III
Compensation range (pf)	10 to 25
Safety	UL61010-031, EN61010-031, IEC61010-031, CSA61010-031

3. DSP Controllers along with USB JTAG Emulator for EPB28335 (Compatible with all License CCS versions):-----1 Nos.

Processor

- C2000 Delfino series TMS320F28335 Digital Signal Controller
- 150 Mhz. Max operating speed
- On chip 32-bit floating point unit
- 68K bytes on-chip RAM, 512K bytes on-chip Flash memory
- On board IEEE 1149.1 JTAG emulation connector with LED indication
- 6 channel DMA controller (For ADC, McBSP, ePWM, XINTF, SARAM)

On-Board Memory

- 1M bytes (64kx16) off-chip SRAM memory, 256K EEPROM interface, USB for Flashing

On board Data Transfer Interfaces

- USB Connector for UART-A interface, DB9 connector for UART-A interface
- LED indication for Transmit and Receive data at UART-A, 3 pin header for UART-B interface
- DB9 connector for CAN-A interface with onboard hardware Loop back mode feature
- 4 pin header for CAN-B interface with onboard hardware Loop back mode feature
- SPI and I2C devices

Onboard Input/ Output Interfaces and other Facilities

- Power-On LED indication
- Connector for Watchdog timer output
- 20 Pin (10x2 header) Connector for 16 GPIO lines
- DB25 Connector for 8 Digital Input and 8 Digital Output interface with +5V compatibility
- Error + Trip +5V compatible connector for Inverter control module
- LED at GPIO Pin as GPIO Test point
- I2C based Off-Chip EEPROM interface
- I2C based Off-Chip RTC interface

Onboard Special functionality

- MATLAB/SIMULINK compatible
- DB9 connector for 6 channel capture interface
- DB25 connector for 12 channel PWM interface
- Two DB15 connector for 8 Channel on -Chip ADC-A interface and 8 Channel On-Chip ADC-B interface (with 3V protection using Op-Amps with unity gain output)
- Potentiometer to test On-Chip ADC
- DB9 connector for 4 channels SPI based on board DAC interface
- Reset Switch with LED indication
- Switch for Run/Program mode switching with LED indication

- 4-way DIP Switch for 16 different boot mode selection
- Input Voltage - 9V DC
- Test points for All the PWM, ADC and Power
- Board to be supplied in a proper wooden box packing
- A workbook featuring the case studies and working procedures on various on chip and off chip peripherals of Educational practice board for TMS320F28335. All the sample programs and codes for different peripherals to will be provided along with the setup and demonstrated.

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