

**NATIONAL INSTITUTE OF TECHNOLOGY  
GOA -403401**

(Form to be used for purchases above Rs.2.50 lakhs and below Rs. 25 lakhs)

**Tender Enquiry**

Enquiry No: NITGOA/LT/EEE/PROJ/SERB/2018/OW/ 317

Date: 18-05-2018

**Important Dates**

To
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Event	Date	Time
Pre-bid Conference	-	-
Last Date of submission of quotation	<b>20-06-2018</b>	<b>03:00PM</b>
Technical Bid Opening date	<b>20-06-2018</b>	<b>03:30PM</b>
Financial Bid Opening date	<b>21-06-2018</b>	<b>10:00AM</b>

Dear Sir,

We intend to purchase the commodities specified below and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly send your offer with prices and complete terms within the time mentioned above.

Please send your quotation to:

Director NATIONAL INSTITUTE OF TECHNOLOGY GOA-403401
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Yours sincerely,



**Registrar I/C**

National Institute of Technology  
Goa

Encl:

- (1) Schedule of requirement, specifications, dates etc.
- (2) Bid document containing detail terms and conditions.

1. **Schedule of requirements**

Sl. No.	Name of Equipment	No's Required
1.	DC-DC Converters	12
2.	Hall effect Voltage and Current Sensors	12

2. **Specifications and allied Technical Details**

**Enclosed at Annexure – I,II**

3. **Format of Quotation** (tick appropriate box)

It is a Single bid; please give all technical specifications and price bid in one envelope.

OR

It is a two-part bid with separate techno-commercial and price bids. Please see item 1.12 of instructions for method of bidding.

4. The bid envelope should be super-scribed with

**Bid for DC Converters and Hall effect Voltage and Current sensors Enquiry No. NITGOA/LT/EEE/PROJ/SERB/2018/OW/ \_\_\_\_\_**

5. Quotations should be valid for a period of **90** days from the closing date of the bid.

6. **Some important dates:**

i.	Pre-bid Conference:	Date: ____ - ____	Time: ____ - ____
ii.	Last date for receipt of quotation:	Date: 20-06-2018	Time: 03.00 P.M.
iii.	Opening of techno-commercial bid:	Date: 20-06-2018	Time: 03.30 P.M.
iv.	Opening of Financial bid:	Date: 21-06-2018	Time: 10.00 A.M.

7. **Warranty** as applicable must be provided.

8(a) **GST:** GST should be charge according to applicable rates.

**National Institute of Technology Goa**  
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- 8(b) **Entry Tax:** The State of Goa charges entry tax on all goods entering the State. Please include it in your quotation.
- 8 (c) **Custom and Excise Duty:** The Institute is authorized to give Custom and Excise Duty Exemption Certificate. **Custom and Excise Duty** should be charge accordingly.
9. **Bid Security** (See Item 2.8 of instructions): **Rs. 8,000/-**.
10. **Performance Security** (See Item 2.10 of instructions): **05%** of gross order value which will be refunded within 02 months after expiration of warranty period subject to claim letter from vendor.
11. Please go through the enclosed "bid document" carefully for other bidding instructions.
- 12(a) Please send your quotations by Registered/Speed Post to:

The Director  
National Institute of Technology Goa -403401

OR

(b) Drop the quotation in the office of the normal working hours of the Institute.

13. For clarifications if any, please mail to [dean.rc@nitgoa.ac.in](mailto:dean.rc@nitgoa.ac.in)

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(Contd.)

**NATIONAL INSTITUTE OF TECHNOLOGY  
GOA-403401**

**BID DOCUMENT**

**1. Instructions to the bidders:**

- 1.1 Sealed bids are invited on behalf of The Director, National Institute of Technology (NIT), Goa – 403401, from the intending bidders for supply of the goods/stores/ equipments/ services for the Institute as detailed in the enquiry letter.
- 1.2 The bidders should quote the technical and financial bid separately in two separate envelopes duly superscripted on the envelope as **Technical bid/ Financial bid for DC Converters and Hall effect Voltage and Current sensors** and their offer/rates in clear terms without ambiguity and EMD should be enclosed in Technical Bid envelope.
- 1.3 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. However, no over-writing is permissible. Manufacturer's price-list, where applicable, should be submitted along with the bid.
- 1.4 In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
- 1.5 The last date for receipt of the bid 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.
- 1.6 There may be a pre-bid conference in the office of the Department as per schedule given under at the top of the document. NIT Goa for clarifying issues and clearing doubts, if any, about the specification and other allied technical details of the plant, equipment and machinery projected in the bidding document. The prospecting bidders may attend this pre-bid conference at the appointed date, time and place. In case the said date is declared a holiday for the NIT Goa, the pre-bid conference shall be held at the appointed time and place on the next working day.
- 1.7 The bids may be sent by registered or speed post, so as to reach the office NIT Goa before the last date of receipt, or alternatively, be dropped in the office of the normal working hours of the Institute.
- 1.8 If a prospective bidder requires any clarification in regard to the bidding documents, he may mail to [dean.rc@nitgoa.ac.in](mailto:dean.rc@nitgoa.ac.in) at least 21 days before the deadline for receipt of bids.
- 1.9 Bids received after the deadline of receipt indicated in para 1.5 above, shall not be taken in to consideration.
- 1.10 Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.

- 1.11 The cover containing the bid must be sealed and super-scribed “**Bid for DC Converters and Hall effect Voltage and Current sensors** vide Enquiry No. . . . **NITGOA/LT/EEE/PROJ/SERB/2018/OW/**\_\_\_\_\_ dated \_\_\_\_\_ as given under item of the enquiry.
- 1.12 The bids shall be opened in the office at the date and time given on the top of the document. The bidders may send their authorized representatives to attend the bid opening, if they so desire. In the event of the above bid opening date being declared holiday for the NIT Goa, and then the bids will be opened at the appointed time and place on the next working day.
- 1.13 The bidder has to put seal and sign in full at all pages of the bidding document including all annexures and price bid failing which the bidder will be disqualified.
- 1.14 The Director NIT GOA and its successors reserves the right to reject any or all tenders, wholly or partly or close the tender at any stage prior to award of contract without assigning any reason whatsoever.

2. **Conditions of the bid:**

- 2.1 The rates quoted should preferably be net, inclusive of all taxes and duties, packing, forwarding, freight, Insurance and all other incidental charges mentioned separately.
- 2.2 The goods are required to be delivered at the indenting Department of NIT Goa, and must be dispatched within 21 days from the date of placement of the supply of order under the risk and arrangement of the bidder and offers with delivery beyond the above period shall be treated as unresponsive. In case the delivery time is higher, the same must be mentioned clearly in the quotation.
- 2.3 If insisted, samples shall be provided by the supplier at the entire cost and risk of the supplier. The installation of the equipments and training cum demo should be provided.
- 2.4 The bid should remain valid for a period of 90 days from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation.
- 2.5 Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
- 2.6 The goods offered should strictly conform to the specification and technical details mentioned in Para below.
- 2.7 The Institute may like to conduct pre-dispatch inspection of goods, where applicable.
- 2.8 The bid is to be accompanied with “Bid Security” (*Earnest Money*) for an amount stated in the enquiry, in the form of Account Payee Demand Draft, in favour of Director, NIT Goa from any Commercial Bank with validity period of 30 days beyond the final bid validity period. The bid security shall be forfeited, if the bidder withdraws during the bid validity period.
- 2.9 Any Liability regarding GST will be of supplier of products.
- 2.10 Period of guarantee/warranty, where applicable, should be specified in the bid.
- 2.11 The successful bidder must furnish “Performance Security” for an amount specified in the enquiry, in the form of Account Payee Demand Draft, and/or unconditional Bank guarantee en-cashable on demand from the Director, NIT Goa, from a Commercial Bank

with validity period of sixty days beyond the date of completion of all contractual obligations of supplier including guarantee/ warranty obligations.



The Performance Security is to be furnished in favour of the Director, National Institute of Technology ,Goa, within ten days of intimation, failing which his bid security will be forfeited.

Alternatively, fixed percentage of the cost of the stores as stated in the enquiry may be retained by the Institute in its Maintenance Fund towards performance security, which will be released One month after the completion of warranty period.

- 2.12 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, to arrange procurement of the required goods from any other source at the risk and expenses of the bidder.
- 2.13 The successful bidder may be required to execute a contract, where applicable.
- 2.14 Payment (100 percent) will be made by Account Payee Cheque/Bank Draft, within 30 days from the installation or receipt of the goods in good condition or receipt of the bill, commissioning of the equipment, where applicable, whichever is later/latest.
- 2.15 In the event of any dispute arising out of the bid or from the resultant contract, the decision of the Director, NIT Goa shall be final.
- 2.16 The Director NIT GOA and its successors reserves the right to reject any or all tenders, wholly or partly or close the tender at any stage prior to award of contract without assigning any reason whatsoever.
- 2.17 The bid document/resultant contract will be interpreted under Indian Laws.
- 2.18 Any disputes arising out of this enquiry shall be dealt in the Goa jurisdiction.
- 2.19 Criteria for Evaluation in Technical Bid
- a) Proof of establishment of Firms/shop/business/ manufacturing unit etc.
  - b) Valid EMD (Exemption certificate should be attached if exemption from EMD is claimed)
  - c) PAN No: ..... (With photo copy) of firms/proprietor.
  - d) Photocopy of GST Registration Certificate.
  - e) Technical Specification for all the items. Failing to quote for one or more than one item will result in disqualification in Technical Bid.
  - f) Signed and stamped copy of Tender document
  - g) Filled bidder information sheet mentioned at the end of Tender document.
- 2.20 Criteria for Evaluation in Financial Bid
- The financial bid(s) shall be evaluated on the basis of the total lowest rates quoted for all the equipments mentioned in schedule of requirements.
- The words in price bid such as extra will entitle for disqualification of bidders.
- Conditional bids will not be accepted and will be liable for disqualification.
- The price bid should include the entire price applicable for the product to reach NIT  
GOA including installation and commissioning.

  
**Registrar I/C**  
NIT-Goa

# Annexure-I

## Technical Specification of DC-DC Converters

Sr No.	Component	Specification/ Remarks	Vendor	
			Technical specification (YES / NO)	Remark
1.	<u>A. DC-DC Converters</u>	Input voltage range, $V_{in}$ = 35-55 V Output voltage= 80 V Inductor current ripple= 10% Input voltage ripple= 0.5% Output voltage ripple= 0.5% Switching frequency= 25 KHz		

## Annexure-II

### Technical Specification of Voltage Sensors and Current Sensors

Sr No.	Component	Specification/ Remarks	Vendor	
			Technical specification (YES / NO)	Remark
1.	<u>A. Voltage Sensors</u>	To measure DC voltage: <ul style="list-style-type: none"> <li>➤ Non-isolated measurement</li> <li>➤ Resistive potential divider for DC voltage sensing</li> <li>➤ 600 V DC to 0-3 V DC output</li> <li>➤ Can directly connect to ADC</li> </ul>		
	<u>B. Current Sensors</u>	To measure DC Current: <ul style="list-style-type: none"> <li>➤ Isolated measurement</li> <li>➤ ACS 712 hall current sensor</li> <li>➤ 0 to +5A current to 1.5-2V output</li> <li>➤ 0 to -5A current to 1.5-1V output</li> <li>Can directly connect to ADC</li> </ul>		



Bidder Information Sheet

1	<u>Company Name</u>	
2	<u>company Registration Number</u>	
3	<u>Registered Address</u>	
4	<u>Name of Partners / Directors</u>	
5	<u>BidderType</u>	
6	<u>City</u>	
7	<u>State</u>	
8	<u>Postal Code</u>	
9	<u>PAN/TAN Number</u>	
10	<u>Company's Establishment Year</u>	
11	<u>Company's Nature of Business</u>	
12	<u>Company's Legal Status (Limited Company, Undertaking, Joint venture, Partnership and others)</u>	
13	<u>Company Category (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)</u>	
14	<u>Contact Person Name</u>	
15	<u>Date Of Birth (DD/MM/YYYY)</u>	
16	<u>Correspondence Email</u>	
17	<u>Designation</u>	
18	<u>Phone</u>	
19	<u>Mobile</u>	

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

## Price Bid

Sl.No	Name of item with Description	Rate/Unit	Quantity	Total in Rs.
<u>1</u>	DC-DC Converters		12	
<u>2</u>	Hall effect Voltage and Current Sensors		12	
Total				
Taxes				
Delivery, Installation charges, Training charges/Demo charges (if any)				
Others charges if any, please specify				
<b>Grand Total Amount in Rs (Inclusive).</b>				

Note: The above format should be on letter head of the firm with the signature of Authorized Signatory