

## INVITATION FOR QUOTATION

TEQIP-II/2017/nitr/Shopping/9

03-11-2017

To,

### Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Power Module	10	60	Electrical Engineering Department, National Institute of Technology, Raipur, Chhatisgarh,492001	Yes

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase II** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
  - 3.1 The contract shall be for the full quantity as described above.
  - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
  - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
  - 3.4 Applicable taxes shall be quoted separately for all items.

3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.

6. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

6.1 are properly signed ; and

6.2 Confirm to the terms and conditions, and specifications.

6.3 The Tenderer / Bidder need to submit the following certificates along with the quotation to

\* Confirm their eligibility:

\* Proof of establishment of Firms/shop/business/manufacturing unit etc. and Dealership certificate from the principals etc.

\* GST certificate should be enclosed

\*Previous Purchase order copy of the same item.

7. The Quotations would be evaluated for all items together.

8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Payment shall be made in Indian Rupees as follows:

**Delivery and Installation - 0% of total cost**

**Satisfactory Acceptance - 100% of total cost**

10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **15:00** hours on **04-Dec-2017** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,  
Registrar,  
National Institute of Technology,  
G.E, Road, Raipur,  
Chhattisgarh, Pin code-492001
17. We look forward to receiving your quotation and thank you for your interest in this project.

REGISTRAR  
NIT RAIPUR

### Annexure I

Sr. No	Item Name	Specifications
1	<b>Discrete Power module</b>	<p><b>a. IGBT (8 Nos. pack)</b></p> <p>Two numbers IGBT with snubber circuit &amp; heat sink provided for power circuit to form one leg → One number of IR2112 / IR2110 driver IC used for drive IGBT → High Speed opto isolation for PWM input → Driver, IGBT board with Heat sink of (L160 x W80 x H50)mm → Over Current protection by (i). Fuse (ii). Shunt based current sensing and op-amp based signal conditioner and current set provision (iii). Over current protection by every pulse by pulse → Common +15V power supply for Top &amp; Bottom device (External) → On-Board Protections * Heat Sink provided to mount the 2 IGBTs and avoiding over temperature * Over current sensing and protection with fuse provision * Over current protection pulse by pulse &amp; dv/dt protection using snubber → Over voltage protection through MOV → One 2 pin screw type phoenix connector for center point of Half Bridge → 2 Nos of 2 pin screw type phoenix connectors for connecting DC link voltage +V &amp; -V → One 3 pin screw type phoenix connector for 2 PWMs from the controller } PWM input: 0-5V / 0-3V level, opto Isolated } Power input: DC link voltage: Upto +350 Volt DC → Input pulse indicator by LEDs &amp; Fault current output indicator by LED</p> <p><b>b. MOSFET (8 Nos. pack)</b></p> <p>Two numbers MOSFET with snubber circuit &amp; heat sink provided for power circuit to form one leg * One number of IR2110 driver IC</p>

		<p>used for drive MOSFET * High Speed opto isolation for PWM input * Driver, MOSFET board with Heat sink of (L160 x W80 x H50)mm * Over Current protection by (i). Fuse (ii). Shunt based current sensing and op-amp based signal conditioner and current set provision (iii). Over current protection by every pulse by pulse } Common +15V power supply for Top &amp; Bottom device (External) (not included) * On-Board Protections → Heat Sink provided to mount the 2 MOSFET s and avoiding over temperature → Over current sensing and protection with fuse provision → Over current protection pulse by pulse &amp; dv/dt protection using snubber</p>
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**FORMAT FOR QUOTATION SUBMISSION**

(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To:

\_\_\_\_\_

\_\_\_\_\_

GST No.....

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	GST		
						GST taxes mentioned as under	Percentage (%)	In figures (B)
						<b>CGST</b>		
						<b>SGST</b>		
						<b>IGST</b>		
<b>Total Cost</b>						<b>Total</b>		

Gross Total Cost (A+B): Rs. \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_  
— (Amount in figures) (Rupees \_\_\_\_\_ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of \_\_\_\_\_ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact No: \_\_\_\_\_