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**NATIONAL INSTITUTE OF TECHNOLOGY**  
**JAMSHEDPUR-831014**  
**(An Institution of National Importance Under MHRD, Govt. of India)**

**INVITATION FOR QUOTATION**

TEQIP-III/2018/nitj/Shopping/6/CD/201819/252.

11-May-2018

12-5-18.

To,

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.....  
.....

**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	GRID CONNECTED HYBRID WIND SOLAR SYSTEM:	1	45	NIT Jamshedpur	yes
2	DIGITAL STORAGE OSCILLOSCOPE	02 (TWO)	45	NIT Jamshedpur	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 III** 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.

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.

*Handwritten signature and date*  
11/05/18

- 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 **36** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **14:00** hours on **01-Jun-2018**.
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,

**Chairman, Purchase Committee**  
**Department of Electrical & Electronics Engineering**  
**National Institute of Technology, Jamshedpur**  
**PO: NIT, Jamshedpur, PIN:831014 ,Jharkhand, India.**

We look forward to receiving your quotation and thank you for your interest in this project.

  
11.05.2018  
**(Chairman, Purchase Committee)**

  
11/05/18



**Annexure I**

Sr. No	Item Name	Specifications
1	<b>GRID CONNECTED HYBRID WIND SOLAR SYSTEM:</b>	<p><b>01. DOUBLEY FED INDUCTION GENERATOR BASED WIND EMULATOR SYSTEM</b>  <b>a. DC Motor coupled with 2.2kW Slip Ring Induction Motor:</b># 3 Phase SRIM; Power 2.2kW; Speed – 1400 RP, <b>DC Motor – 3 HP;</b> Speed – 1500 rpm with spring balance load <b>b. FPGA based DC Drive for Prime mover:</b> FPGA Spartan 6 Development Board as controller Power Circuit (Single quadrant chopper FED DC drive,1200V/ 50A, Peak, Semikron based IGBT with driver circuit <b>c.</b> 3 Ph Semikron based IGBT Power Module for Motor Side (Rotor) converter(1200V/100A),  <b>02.2KW SOLAR BASED GRID TIED INVERTER:</b>  <b>a.</b> 2KWPV PANEL, <b>b.</b> 2KW DC-DC Buck OR Boost Semicron IGBT based converter @1200V, 100A, 20 kHz used to form power circuit, <b>c.</b> 2KW Bi-Directional Buck-Boost semicron IGBT Converter rating 600V/25A,<b>d)</b> FPGA SPARTAN6 Low cost Digital controller is used for generating the gate signal for the IGBT; User can give PWM inputs from external controller using dspace interface,<b>e)</b> <b>Battery Voltage : 144V DC,</b><b>f.</b> <b>5KVA IGBT Based 3PH VSI</b></p>
2	DIGITAL STORAGE OSCILLOSCOPE	<ul style="list-style-type: none"> <li>• Bandwidth : 100 MHz</li> <li>• No of Channel : 4 Nos</li> <li>• Sample Rate : 2.5 GS / s- 5GS/s</li> <li>• Model No : MDO3000</li> <li>• Record Length : 10 M Points</li> </ul> <p>00 Series , 100MHZ,4 channel</p>

*Handwritten signature and date:*  
 11/05/18

## FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

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

To: \_\_\_\_\_  
\_\_\_\_\_

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 and other taxes payable	
						In %	In figures (B)
<b>Total Cost</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: \_\_\_\_\_

*Handwritten signature and stamp:*  
11/05/16