



NATIONAL INSTITUTE OF TECHNOLOGY,  
TIRUCHIRAPPALLI, TAMILNADU, 620015 Ph- 9443145540

## INVITATION LETTER

Package Code: TEQIP-III/2019/nitt/175

Current Date: 06-Mar-2020

Package Name : Laser Diode Module with Accessories

Method: Shopping Goods

To,

### Sub: INVITATION LETTER FOR **LASER DIODE MODULE WITH ACCESSORIES**

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	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Laser Diode Module with Accessories	1	Department Of Electronics and Communication Engineering Department NIT Trichy 620015	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, initialling, 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 **60** days after the last date of quotation submission.

**GST 5%-as per column ((4) II under notification no.45/2017 Central Tax- (Rate), Date. 14.11.2017 Notification no.46/2017 integrated Tax – (Rate), Date. 14.11.2017.**

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.
- 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:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation and Satisfactory Acceptance	60 Days	100%

Liquidated Damages will be applied as per the below:

10. Liquidated Damages Per Day Min %: N/A  
Liquidated Damages Max %: N/A
11. All supplied items are under warranty of **12** months from the date of successful acceptance of items and AMC/Others is **No**.
12. You are requested to provide your offer latest by **15:00** hours on **26-Mar-2020** Opening time :- **26-Mar-2020 16.00 hours** at **TEQIP Office, Administrative Building, NIT Trichy**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **one Day Training And Demo**
15. Testing/Installation Clause (if any) **Installation at Department Of Electronics and Communication Engineering Department NIT Trichy 620015.**
16. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
17. Sealed quotation to be submitted/ delivered at the address mentioned below,  
**Head of the Department,**  
**Department of Electronics and Communication Engineering,**  
**NIT Trichy 620015.**

Kind Attn: Dr. R.K Jeyachithra

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

Note : The cover should be duly superscribed

- (1) Quotation Reference Number
- (2) Quotation for the Supply of \_ \_ \_ \_ \_
- (3) Date of opening \_ \_ \_ \_ \_

*M. P. Muthuchithambaranathan*  
13/3/2020  
**(Dr . P. Muthuchithambaranathan)**  
HoD/ ECE *ilc*

Annexure I

Sr. No	Item Name	Specifications
1	Laser Diode Module with Accessories	<ul style="list-style-type: none"><li>• 660 nm Laser diode source with external signal modulation facility</li><li>• Selectable Automatic Power control/ Automatic Current control mode</li><li>• SMA connector for coupling optical power in to fiber</li><li>• Optical intensity/ Carrier level control facility</li><li>• Laser diode current and monitor photo detector current monitoring facility</li><li>• Free space communication facility through a line-of-sight path for the experimentations</li><li>• Study of V-I &amp; P-I Characteristics of LASER Diode</li><li>• Study of ACC and APC modes of operation</li><li>• Study of Intensity modulation and demodulation</li><li>• Study of Propagation delay and various types of Losses</li><li>• Determination of Numerical Aperture of Optical fiber</li><li>• Study of free space communication system</li><li>• Transmission Module: Laser 660 nm; Receiver Module: Photo transistor</li><li>• Setup should be suitable for Measurement of Numerical Aperture and verification of V number of a fiber test cable</li><li>• Single Mode and Multi Mode Coupling light into a test fiber cable Single Mode and Multi Mode and observing the intensity patterns of modes.</li><li>• Numerical Aperture measurement / Mode observation screen with holding assembly</li><li>• He-Ne LASER Source (650nm; 2mW) with mounting stand and fiber coupler</li><li>• Optics bench with fiber coupling assembly and customized mechanical fixtures</li><li>• Complete set up for Numerical Aperture measurement and V number verification for Single Mode and Multi Mode fiber cables</li><li>• Complete set up for observation of intensity patterns of modes in Single Mode and Multi Mode fiber cables</li><li>• Fiber optic cable (Plastic), Fiber optic cable (Glass), NA measuring Jig, NA Measurement scale, Mandrel to be supplied along with setup for experimentation</li><li>*All the necessary accessories for conducting the complete experiments on Laser Diode must be provided</li></ul>

**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)	Sales tax and other taxes payable	
						In %	In figures (B)
<b>Total Cost</b>							

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

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (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. \_\_\_\_\_