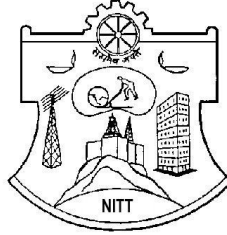


# NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

**Department of Instrumentation and Control Engineering**

**Web: [www.nitt.edu](http://www.nitt.edu)**

**Phone: 0431 - 2503350**



## TENDER DOCUMENT

**Tender Notification No.: NITT/ICE/LA/III/2012/LDS 100**

**Dated: 26.10.2012**

Name of the component : **Laser Displacement Sensor 100mm**

Quantity required : ONE

EMD Amount : Rs. 5000.00

Delivery : within four weeks from the date of purchase order

Last Date of submission of Tender : **On or before 26.11.2012., Monday: 3.00 p.m.**

Address for submission of Tender : **The Director**  
National Institute of Technology  
Tiruchirappalli – 620 015  
Tamilnadu, India.

With kind attention to : **Dr. K. Dhanalakshmi**  
Dept. of Instrumentation and Control Engineering  
National Institute of Technology  
Tiruchirappalli – 620 015  
E-mail: [ghanlak@nitt.edu](mailto:ghanlak@nitt.edu)  
Mobile: 9443858456

Date of opening the technical bid : **26.11.2012 at 4:00 p.m.**



**NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI – 620015**

**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**

**Tender Notification No.: NITT/ICE/LA/III/2012/LDS 100**

**Dated: 26.10.2012**

**NOTICE INVITING TENDER**

The National Institute of Technology, Tiruchirappalli (NITT) is an autonomous body under MHRD, GoI, imparting Technical Education and engaged in Research Activities. It is proposed to purchase **Laser Displacement Sensor 100mm** for the departmental academic/research activities.

Sealed Quotations are invited for the supply of the above mentioned item for the laboratory, subject to the terms and conditions given in section -1 from reputed manufacturers or their authorized dealers so as to reach this office on or before the scheduled date and time. The quotations will be opened on the same day in the presence of bidders or their authorized agents who may choose to be present. The quotations should be accompanied with the EMD amount in the form of D.D. in favour of "The Director, National Institute of Technology, Tiruchirappalli - 620015". The EMD amount will be returned after finalizing the tender. The selected bidder's EMD amount will be returned after the successful supply, installation and after the successful completion of the specified warranty period. Offers received without the EMD D.D. will be rejected.

Name of the component	: <b>Laser Displacement Sensor 100mm</b>
Quantity required	: ONE
EMD	: Rs. 5000.00
Last Date of submission of Tender	: <b>on or before 26.11.2012., Monday: 3.00 p.m.</b>
<b>Address for submission of Tender</b>	: <b>The Director</b> National Institute of Technology Tiruchirappalli – 620 015 Tamilnadu, India
With kind attention to	: <b>Dr. K.Dhanalakshmi,</b> Dept. of Instrumentation and Control Engineering National Institute of Technology Tiruchirappalli – 620 015 E-mail: dhanlak@nitt.edu, Mobile: 9443858456

***Place, Date and time of opening the technical bid:***

**Date: 26.11.2012    Time: 4:00 P.M.    Venue: Institute Administrative Building**

**Note:** The Institute shall not be responsible for any postal delay about non-receipt / non delivery of the bids or due to wrong addressee.

P.T.O.

**SECTION-1**  
**a) TERMS and CONDITIONS**

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1. The rates should be quoted in Indian Rupee FOR NIT, Tiruchirappalli for supply within India. The rate should be quoted both in words and figures. All the pages of the bid should be signed affixing the seal. All corrections and overwriting should be initialed.
2. In case of import both CIF and/or FOB rate should be quoted. All components of expenditure to arrive at Chennai need to be explicitly specified.
3. The bidder shall indicate the excise duty exemption for the goods if applicable
4. The Institute is eligible for customs duty and excise duty exemption.
5. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any.
6. Rate quoted should be inclusive of testing, commissioning and installation of equipment and training.
7. **Payment**: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier. In case of imports, the payment will be made through LC after installation and performance security need to be submitted at the time of LC commitment.
8. Guarantee and Warrantee period should be specified for the complete period conforming to SECTION 1 b) of this tender document.
9. Period required for the supply and installation of item should be specified conforming to the section b) of this tender document.
10. *The Director, National Institute of Technology, Tiruchirappalli reserves the right to reject any or all quotation(s) without assigning any reasons.*

**b) TECHNICAL SPECIFICATIONS**

Please quote the charges for the following item clearly

**Laser Displacement Sensor 100mm**

- Laser: Class 1 laser product
- Span: 100mm
- High accuracy and linearity
- Resolution: Preferable to be higher than  $\pm 0.03\%$  of full scale span
- Laser spot size:  $2\mu\text{m}$
- High sampling rate, sampling rate should be configurable
- Control Output: NPN Open collector, PNP open collector, Analog signal
- Black light elimination
- Operating temperature:  $-10$  to  $50^{\circ}\text{C}$
- Cable configuration: 8 conductor, power and serial data cable
- Function indicator
- Signal conditioning unit with display and also PC interfactable.

**Essential Features**

Protection against reverse power connections, output over current, output surge, reverse output connection  
Shock and vibration resistance

Warranty: 2 years from the date of commissioning

**Instruction manual and Traceability certificate of calibration are to be provided**

The bidder should give the following declaration while submitting the Tender.

P.T.O.

**DECLARATION**

I/we have not tampered/modified the tender forms in any manner. In case, if the same is found to be tampered/modified, I/we understand that my/our tender will be summarily rejected and full Earnest Money Deposit (EMD) will be forfeited and I/we am/are liable to be banned from doing business with NIT, Tiruchirappalli and /or prosecuted.

**Signature of the Bidder** : .....

**Name and Designation** : .....

**Business Address** : .....  
.....  
.....

**Place :**

**Date :**

**Seal of the Bidder's Firm**

Any other details required may be obtained from the contact person given in the notice inviting tender during the office hours.