

# NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620015

## DEPARTMENT OF MECHANICAL ENGINEERING

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

Phone: 0431 - 2503418, 2503442



## TENDER DOCUMENT

Tender Notification No.: NITT/Mech/Materials Characterization Lab/Micro Hardness/2012

Dated: **02.02.2012**

Name of the Item	Micro Hardness Tester with Micro Hardness Analysis Software
Quantity Required	01
Delivery	Within four weeks from the date of purchase order delivery
Last Date of submission of quotation	29.02.2012 up to 3.00 p.m.
Date of opening of quotation	29.02.2012 up to 3.30 p.m.



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**NOTICE INVITING QUOTATION**

The National Institute of Technology, Tiruchirappalli (NITT) is an autonomous body under MHRD, Government of India, University, imparting Technical Education and engaged in Research Activities. It is proposed to procure the following equipment for the departmental academic/research activities.

Sealed quotations are invited for the following equipment subject to the following terms and conditions, from the reputed manufacturers or their authorized dealers so as to reach this office on or before scheduled date and time. The Quotations will be opened on the same day in the presence of the Registrar.

Requirement:

**(a) Micro Hardness Tester**

Measuring range	:	5 – 3000 HV
Test Force	:	10 – 1000 gf
Magnifications of the measuring system	:	400x, 100x
Min. Scale value of the measuring microscope	:	0.025 $\mu$ m
Maximum height of test piece	:	75 mm
Depth of throat	:	100 mm
Power Supply	:	220V, AC
Dimensions	:	340 X 160 X 325 mm

**(b) CCD Camera**

Pick up device	:	$\frac{1}{2}$ " CCD,
Pixels	:	795 (H) X 596 (V),
Digital Signal Processing Device		
Automatic White Balancing,		
Resolution	:	More than 480 TV lines with C – Mount (with 0.5x reduction lens)

### (c) Image Grabbing Card

Plug and Play, Image / Video capture, AVI compatibility, Supports RGB 32, 24, 15 formats, Composite and S-Video inputs, Full screen resolution capture or VGA loop back cable required, Supports Color and picture adjustments, Video Source Selection, Support video conferencing applications, Supports both NTSC and PAL.

### **Terms & Conditions**

1. The item to be used is strictly according to the specification and subject to test by the Institute/concerned authorities. It must be delivered and installed in good working condition.
2. The bidder should give details of their technical soundness and provide list of customers of previous supply of similar items to Universities, Institutes or Government Departments / Undertakings / public sectors with contact details. The details of the agency/profile should be furnished along with the copy of all related documents.
3. **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.
4. Rate shall be inclusive of all taxes. The Institute is eligible for customs duty and excise duty exemption.
5. The sealed cover should be addressed to

**The Director,  
National Institute of Technology,  
Tiruchirappalli – 620 015**

The cover should be subscribed with the following details

1. **Kind Attention to Dr. T. Ramesh, and Prof. N. Sivashanmugam, Assistant Professors / Mechanical Engineering.**
2. **Quotation Notification No.**
3. **Date of Opening**
6. The clear specification, make, model range etc of product shall be mentioned in the quotation.
7. Guarantee and Warrantee period should be specified.
8. Period required for the supply and installation of item should be specified.

9. The Director reserves the right to reject any or all the offers without assigning any reasons thereto.

10. Time for completion of supply after placing purchase order: One month

11. Last Date of submission of quotation: 29.02.2012

12. Place, Date and time of opening of Quotations

Date : **29.02.2012**  
Time : **3:30 PM**  
Venue : **Director Office**

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