

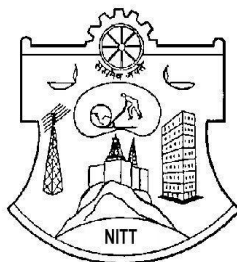
# NATIONAL INSTITUTE OF TECHNOLOGY

## TIRUCHIRAPPALLI – 15

**Department of Chemistry**

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

**Phone: 0431 - 2503630**



# TENDER DOCUMENT

**Tender Notification No. : NITT/CHY/PLAN/2011-1**

**Dated: 04.02.2011**

- Name of the component : **As per ANNEXURE.**
- Quantity required : **1 No. each.**
- EMD Amount : **As per ANNEXURE.**
- Delivery : **Within Two weeks from the date of purchase order**
- Last Date of submission of Tender : **18.02.2011 upto 3.00 p.m.**
- Address for submission of Tender : Head  
Dept. of Chemistry  
National Institute of Technology  
Tiruchirappalli – 620 015  
Phone No: 0431- 2503630
- Date of opening of bid : **18.02.2011 at 3.30 p.m.**



**NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI – 15**

**DEPARTMENT OF CHEMISTRY**

**Tender Notification No.: NITT/CHY/PLAN/2011 -1**

**Dated: 04.02.2011**

**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 procure the following component for the departmental academic/research activities.

Sealed Quotations are invited for the following component 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 bidders or their authorized agents who may choose to be present.

Name of the component : **As per ANNEXURE.**

Quantity required : 1 No. each.

EMD Amount : **As per ANNEXURE.**

Time for completion of supply after placing purchase order : Two weeks

Last Date of submission of Tender : **18.02.2011 upto 3.00 p.m.**

Tender to be submitted at the following address : Head  
Dept. of Chemistry  
National Institute of Technology  
Tiruchirappalli – 620 015  
Phone No: 0431- 2503630

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

**Date: 18.02.2011    Time: 3.30 p.m.    Venue: Store section/Admin. Block.**

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

## SECTION: 1 INSTRUCTION TO BIDDER

1. The bidders should 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 bidder/profile should be furnished along with the copy of all related documents.

### 1.1 Documents to be submitted in the Bid:

- (i) The bidder should furnish copy of licence certificate for manufacture/supply of the item.
  - (ii) The bidder should furnish Income Tax PAN number
  - (iii) Catalogue of the product with detailed product specifications
  - (iv) Shelf-life of the chemicals offered for supply is to be specified.
  - (v) EMD by Demand draft drawn on any scheduled bank in favour of "**The Director, NIT, Trichy**" payable at Trichy should be submitted. EMD shall bear no interest. Any bid not accompanying with EMD is liable to be treated as non-responsive and rejected.
2. The bidder should submit their rate as per the format given in Section 4 of the Notice Quotation in this cover. Rate should be quoted in Indian Rupee. 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.

***The bid cover should be duly superscribed with the following details.***

***(1) Quotation Notification Number (2) Quotation for the supply of ..... (3) Date of opening .....***

***Mention "Kind Attention: Head Of the Department" and submit at the address given in the Notice Inviting Tender.***

3. The quotation will be acceptable only from the manufacturers or its authorized supplier.
4. The bid shall be in the format of price schedule given in Section 4. The contract form as per format given in section 5 shall be submitted. Incomplete or conditional quotation will be rejected.
5. Details of quantity and the specifications are mentioned in Section 3 appended to this quotation Notice.
6. 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.
7. The Institute reserves the right to cancel or reduce the quantity included in the schedule of requirements at any time after acceptance of the quotation with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the

execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.

8. 5% of the supply value will be retained by the Institute towards Performance Security and will be returned to the supplier after the period of warranty.
9. **Release of EMD:** The EMD shall be released after receipt of performance security from successful bidder.
10. **Validity of bids:** The rate quote should be valid for a minimum of 60 days. No claim for escalation of rate will be considered after opening the Quotation.
11. **Imports:** In case, goods are to be imported, the Indian agent should furnish authorization certificate by the principles abroad for submission of the bid in response to this Quotation Notice.
12. **Clarification of Quotation Document:** A prospective bidder requiring any clarification of the Quotation document may communicate to the contact person given in this notice inviting quotation.
13. **Amendment of quotation document:** At any time prior to the last date of receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Quotation document by an amendment.
14. ***The Institute may at its own discretion extend the last date for the receipt of bids.***
15. The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.
16. The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Institute Purchase Committee is final in all matters of quotation and purchase.
17. The bidder should give the following declaration while submitting the Quotation.

**DECLARATION**

I/we have not tampered/modified the quotation forms in any manner. In case, if the same is found to be tampered/modified, I/we understand that my/our quotation 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, Trichy and /or prosecuted.

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

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

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

**Place :**

**Date :**

**Seal of the Bidder's Firm**

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

## SECTION: 2 CONDITIONS OF CONTRACT

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1. The rates should be quoted in Indian Rupee FOR NIT, Trichy for supply within India.
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 the section 3 of this quotation document.
9. Period required for the supply and installation of item should be specified conforming to the section 3 of this quotation document.
10. In case of dispute, the matter will be subject to Tiruchirappalli, Tamil Nadu Jurisdiction only.

### SECTION : 3 SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

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Name of the Component to be procured	: <b>As per ANNEXURE</b>
Specifications	: <b>As per ANNEXURE</b>
Quantity	: <b>1 No. each</b>
Any other details/requirement	: Indicate the accessories needed for complete utility of the instrument which are not included in the quote.
Warranty period required	: 2 Years from the date of commissioning (For some equipments, required warranty period is mentioned in the annexure)
Delivery schedule expected after release of purchase order (in weeks)	: Two weeks
EMD (in Rupees)	: <b>As per ANNEXURE</b>
Performance Security to be given by Successful bidder after release of purchase order (in Rupees)	: 5% of the equipment cost.

**SECTION: 4 PRICE SCHEDULE**

[To be used by the bidder for submission of the bid]

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- 1. Component Name :
- 2. Specifications (confirming to Section 3 of Tender document-enclose additional sheets if necessary) :
- 3. Currency and Unit Price :
- 4. Quantity :
- 5. Item cost (Sl.No.3 & Sl.No.4) (in Indian Rupee) :
- 6. Taxes and other charges :
  - (i) Specify the type of taxes and duties in percentages and also in figures
  - (ii) Specify other charges in figures
- 7. Warranty period (confirming to the Section 3 of Quotation document. This should be mentioned in Technical bid also in order to get qualified for Financial bid) :
- 8. Delivery Schedule (confirming to the Section 3 of Quotation document) :
- 9. Name and address of the firm for placing purchase order :
- 10. Name and address of Indian authorized agent (in case of imports only) :

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

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

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

.....  
.....

**Place :**

**Date :**

**Seal of the Bidder's Firm**



**SECTION : 5 CONTRACT FORM**

[To be provided by the bidder in the business letter head ]

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1. (Name of the Supplier's Firm) hereby abide to deliver the .....by the delivery schedule mentioned in the Section 3 quotation document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the quotation document without any defect and deviations.
3. Warranty will be given for the period mentioned in the quotation document and service will be rendered to the satisfaction of NIT, Trichy during this period.

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

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

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

**Place :**

**Date :**

**Seal of the Bidder's Firm**

**ANNEXURE**  
**SPECIFICATIONS FOR EQUIPMENTS**

<b>S. No.</b>	<b>Equipment</b>	<b>Specifications</b>	<b>EMD Amount(Rs.)</b>
1.	<b>Single Beam Digital UV-VIS Spectrophotometer</b>	Range 190 To 1000 nm, Microcontroller based, Band Width 1nm, $\mu$ P Based Wavelength Selection, % Transmission & absorbance measurements, Digit LED Display For Wavelength, Digit LED Display For Data, 4 Position Sample Holder	2000.00
2.	<b>Helium Pycnometer (True Density Meter)</b>	Should measure True Density (or Sp Gravity) precisely of All Types of materials, Accuracy should be +/- 0.2%, Repeatability should be high, System should have small & large cell options	2600.00
3.	<b>Schlenk line with for 5 ports</b>	Vacuum Manifold 5 port, PTFE Screwcork, Stand, Vacuum Pump, Vacuum Gauge, Vacuum Trap with dewar flask, High Vacuum Grease, Schlenk Flask 100 ml cylindrical type with Screwcork, Silicone tube (10mtr/roll).	1000.00
4.	<b>Microprocessor controlled research centrifuging machine</b>	Microprocessor controlled research centrifuge with Interactive digital display. Model = REMI-PR24, Menu driven program memory, Choice of High brake, low brake and coasting, Imbalance detector with cut off, Safety lid interlock to prevent cover opening, Automatic unique safety rotor identification system, Speed holding accuracy 100 RPM, Ability to self diagnosis for errors, Rotor head type and model: Angular-R243A, Container Capacity: Plastic 6 x 25 ml, Speed RPM: 18000, Maximum speed RPM: 20000, RCF 'g': 28980, Maximum RCF 'g': 37550, Centrifuge Tubes to be supplied: 200 Nos, Warranty period required: 2 year from the date of Installation	1000.00
5.	<b>Semi Micro analytical balance</b>	Capacity: 120/42 g, Decimal places in gram range: Five decimal points display, Minimum range in Milli gram mode: 0.01 mg, Repeatability (standard deviation): Large range < 0.1 mg Small range < 0.02 mg, Linearity: Large range $\pm 0.2$ mg, Small range $\pm 0.01$ mg, Response time (typical): 3 seconds large range 10 seconds small range, Weighing PAN and its size: Fully corrosion free PAN at chemical environment having 80 mm dia, Should have facility with fully automatic calibration mode with built in calibration weight at user preset times and temperature detection. And touch key calibration at any time, User friendly weighing chamber with protecting cover, Level adjustment, 3 years or more onsite repair and replacement warranty from the date of Installation	1800.00

6.	<b>Gas Chromatography Accessories</b>	<p>Air, Hydrogen &amp; Nitrogen Gas Purification, Handling &amp; Distribution System for GC instrument, The above system consist of following items.</p> <p>Double Stage SS Regulator for Air, Hydrogen &amp; Nitrogen Gas. (3 Nos), Purifier Panel for Nitrogen Gas control panel for GC &amp; purification system consist of nitrogen air moisture trap&amp; Oxy trap Toggle valve, SS Pressure gauge, SS control regulator accumulated in MS powder coated panel with polycarbonate cover (1No), Purifier Panel for H<sub>2</sub> / Zero air Gas control panel for GC &amp; purification system consist of Hydrogen / Zero air moisture trap&amp; Oxy trap Toggle valve, SS Pressure gauge, SS control regulator accumulated in MS powder coated panel with polycarbonate cover (1No), Fittings (Nut, Ferrules, Saddle etc.) (1 Set), Zero Gr. Air (99.999%), Pressure-120 to 140 Kg/Cm<sup>2</sup>, Vol-7 M3 with 47 Ltrs. WC carbon steel cylinders (1No), Zero Gr. Hydrogen (99.999%), Pressure-120 to 140 Kg/Cm<sup>2</sup>, Vol-7 M3 with 47 Ltrs. WC carbon steel cylinders (1No), Nitrogen gas (99.999%), Pressure-120 to 140 Kg/Cm<sup>2</sup>, Vol-7 M3 with 47 Ltrs. WC carbon steel cylinders (1No), Voltage stabilizer.(Input 160-270 V; Output 230V)</p>	2000.00
7.	<b>Electrodes</b>	<p>Electrochemical cell system includes 4 glass cells with two cell top, Pt Working Electrode -3 Nos, GC Working Electrode -3 Nos, Ag/ AgCl Reference (aq.) -3 Nos, Ag/ AgCl Reference (non aq.) -3 Nos, Calomel Reference Electrode -3 Nos, Pt Wire counter Electrode - 3 Nos, Electrode Polishing Kit</p>	1800.00
8.	<b>Buchi Rotavapor R-3</b>	<p>With Condenser (Vertical) Normal Glass, Drive Unit, Mechanical Quick-Action Jack, Insulated water bath with digital display.</p>	2800.00