

**DELHI TECHNOLOGICAL UNIVERSITY**

(FORMERLY DELHI COLLEGE OF ENGINEERING)

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
SHAHBAD DAULATPUR: BAWANA ROAD: DELHI-110 042

Ph. 27296326

No. F. 211/02-04/11-12/S&P

Dated:

E-Tenders along with illustrated literature/leaflets for the supply/execution of item(s)/stores/work detailed below are invited in two-bids system through 'e' procurement solution only as per the guidelines and terms & conditions given in tender document - details of the NIT along with terms & conditions, specifications etc. can be seen/downloaded at/from the website.

The interested tenderers should upload duly signed tender form and their bids along with scanned copies of all the relevant certificates, documents etc. in support of their technical bids and price bids – all duly signed - on the: <https://govtprocurement.delhi.gov.in>. latest by **30/12/11. up to 2.00P.M .** An index prepared after pagination of all tender document and enclosures I document may also be uploaded. The technical bids will be opened online on **30/12/11 at 2.30 P.M** for only those bidders whose DDR/FDR for EMD amount is dropped in Tender Box placed in the office of Asst. Registrar (S&P) in the presence of the bidders who wish to be present and also displayed on the website and the financial bids of eligible firms shall be opened on **10/01/12**. For participation in the tender through e-procurement solution, the enterers are required to have digital certificate and get registered with application Service Provider NIC.

Tender document is also available for viewing on the website of Delhi Technological University, Delhi at [www.dce.edu](http://www.dce.edu) . and [www.dce.ac.in](http://www.dce.ac.in)

Yours faithfully,

A.R (S&P),

**EMD: Rs. 70,000/-**

S. No	Particulars /Description	Reqd.Qty
<b>1</b>	<b>Thermo system for Cloud/Clean/Softening/ Pouring/ Microscopy/DSC</b>	<b>01 No</b>

## **SPECIFICATION :-----**

### **Thermo System**

Thermo Systems comprising of a central processing unit and measuring cells for the determination of

- Softening and Pouring point

### **Thermo System-Central Processor Unit:**

- The central processing unit of thermo system must act as a communication and control unit for the measurement of softening and Pouring point of polymers and other materials. Attachment of the desired measuring cell to CPU should automatically activate the corresponding menu functions.

Specification for CPU:

- Graphical LCD and soft key for various functions
- 15 programmed methods for the use of all measuring parameters
- 35 methods freely programmable according to the needs
- Fully compatible with all the measuring cells
- Field calibration with the supplied certified calibration standards
- Supports English languages

Thermo System-

**Dropping Point Cell-** A cell for automatic determination of dropping and softening points, must be capable of use in a wide application range comprises, the characterization of lubricant greases, edible fats, suppositories, cosmetic products, polymers, waxes and parafines. Special sample cups and methods must guarantee compliance with ASTM methods for the softening point determinations of asphalt, pitch of resins.

**Dropping point Cartridge-** The cartridge must comprise the collector sleeve and the sample cup holder and fits to the softening and dropping point cups.

**Sample Cups for Dropping Point Determination-** Set of 5 sample cups for dropping point determination (sample cup opening:2.8mm). These cups must be as per ASTM D 3954 on fats, paraffin's, polymers, waxes, lubricating greases and also non crystalline substance such as low molecular weight natural resins.

**Sample cups for softening Point Determination-** Set of 7 sample cups for softening points determination (Sample cup opening:6.35mm). These cups must be according to ASTM D 3104 (Softening point of pitches) and ASTM K 3461 (Softening point of asphalt and pitch).

Lab X™ Thermosystem Software:

Lab x™ thermo system software should be capable of conveniently managing measurement results, must offers full support to comply with the 21 CFR 11 regulations, enables a smooth and seamless LIMS/SAP integration, organizes comprehensive sample lists. Lab X, a software platform, must offers the basic functionality required by all applications. This platform can be upgraded with modules containing additional features in order to adapt it exactly to specific requirements. The operator must not be confronted with unnecessary functions.

### **Required Features of software:**

- Full support to comply with 21 CFR 11 regulations
- Seamless LIMS/SAP integration
- Unambiguous documentation
- Easy operation

### **Starter Pack**

Lab X Thermal Values Server: Functionality for a client-server consisting of up to 15 personal computers. Up to 30 Instruments can be connected. Capable of exporting data to a super ordinate system. System validation possible. Includes one instrument license and the user manager option.

### **Instrument licenses**

IL Thermal Values Instrument licenses: One instrument license is required for each Melting Point system.

### **Options**

User Management: Possibility to create and manage system users.

Regulation: All the tools required to work according to 21 CFR 11.

Integration: Enables other system to flexibly exchange data with LabX (e.g. import sample lists, special format of data export, etc)

Report Design: Free customization of reports with all details and possibilities like charts, plots and tables.

### Specification of Central Processor Unit

-Temperature Range: Rt--375°C

-Temperature Sensor: Pt 100

-Heating Rates: Upto 20.C/Min

-Display: Graphic LC display

-Temp. display Resolution: 0.1 C

-Key Pad: Splash Proof

-Housing: PU Foam, Metal

-CE Mark

-Electric Safety: EN 61010-1

### Specifications Measuring Cell.

-Absolute accuracy of the cell temperature

30....200°C, +\_ 0.2 C

200...375 °C+\_0.5 C

-Accuracy of dropping point determination: +\_0.3. C

After calibration: in the temperature range

Covered by the two calibration standards

-Sample throughput per hour approx: 8 dropping points or approx.4 softening points

-Required amount of sample approx: 500 mg

-Cup for dropping points conforming to: ASTM D566

-Cup for softening points conforming to: ASTM D 3461

-Housing: Metal, Polybutyl terephthalat

### Technical Data:

Power Supply: 230V, 50/60 Hz

(TO BE SUBMITTED ALONG WITH TECHNICAL BID)

**TENDER NOTIFICATION NO:** -----

College Phone No:- 27296326

TENDER FORM

The Registrar,  
Delhi Technological University,  
Bawana Road,  
Delhi-110042

We the undersigned (herein after called as Contractor/Vendors/Suppliers) hereby offer to execute supply of items as per specification against which we have quoted over rates and for which this tender may be accepted at the rates stated there in and subject to the terms & conditions set forth for such items as may be ordered by the Registrar, Delhi Technological University or officer acting on his behalf.

**Date this \_\_\_\_\_ Day of \_\_\_\_\_**

**Signature of Contractor \_\_\_\_\_**

**Address \_\_\_\_\_**

\_\_\_\_\_

\_\_\_\_\_

1. Guidelines/Procedure to be followed in introduction of 'e'-procurement solution:

**1.Payment of cost of Tender documents:** The collection of cost of Tender documents is dispensed away with, as there is no physical supply of tender documents and also to have absolute anonymity of bidder participating in e-procurement solution. The bidders can view/download the tender documents from the : <https://govtprocurement.delhi.gov.in> .

**2.Submission of bids:** The bidders who are desirous of participating in 'e'- procurement shall submit their price bids in the standard formats prescribed in the Tender documents, displayed at : <https://govtprocurement.delhi.gov.in>. The bidder should upload the scanned copies of all the relevant certificates, documents etc. in the: <https://govtprocurement.delhi.gov.in>. in support of their price bids. The bidder shall sign on all the pages of tender document ,statements and certificates uploaded by him, owning responsibility for their correctness/authenticity and copies thereof may also be submitted in the office of the Asst. Registrar(S&P), DTU along with original EMD. However documents of the bidders downloaded online or requisitioned subsequently only will form the basis for deciding the tender.

**3.Payment of Bid Security (Earnest Money Deposit):** The EMD shall be in the form of the Demand Draft/Pay order of scheduled bank/Fixed Deposit Receipt of a scheduled bank issued in favour of **Registrar, Delhi Technological University, Delhi**. Zerox copy of the DD/PO/FDR is to be scanned and uploaded along with the bid, and the original DD/PO/FDR shall be sent to DTU so as to reach before the date and time of closing of the bids. Failure to furnish the original DD/PO/FDR before the closing of the bid, will entail rejection of bid and blacklisting.

**4.Price Bid Opening:** The Price Bids will be opened online by the concerned officer/officers at the specified date & time and the result will be displayed on the: <https://govtprocurement.delhi.gov.in>. which can be seen by all the bidders who participated in the tenders.

**5.Processing of Tenders:**The concerned officer/officers will evaluate and process the tenders as done in the conventional tenders and will communicate the decision to the bidder online.

**6.Payment of Performance Guarantee:** The successful tenderer shall furnish a bank guarantee/FDR of the value starting from 05% of the cost of the item for a period of sixty days beyond one year from a nationalized bank to ensure the satisfactory performance of item supplied. The performance guarantee is to be submitted at the time of installation / demonstration of equipments. In case the performance of the item is not found satisfactory, the amount of bank guarantee will be forfeited & credited in university account.

**7. Participation of Bidders at the time of opening of bids:** Bidders have two options to participate in tendering process at the time of opening of Bids:

(i). Bidders can come at the place of opening of bids (electronically) as done in the conventional tender process.

(ii). Bidders can visualize the process online.

**8.Participation Financial Rules for e-procurement:** The e-procurement system would be applicable for purchase of goods, outsourcing of services and execution of work as prescribed in GFRs.

ASSTT. REGISTRAR (S&P)  
DELHI TECHNOLOGICAL UNIVERSITY,  
SHAHBAD DAULATPUR, BAWANA ROAD,  
DELHI – 110 042

## TERMS AND CONDITIONS

### TENDER FORMS ARE NOT TRANSFERABLE

Procedure for submission of bids: The bidders who are desirous of participating in 'e'- procurement shall submit their technical and price bids in the standard formats prescribed in the Tender documents, displayed at : <https://govtprocurement.delhi.gov.in>. The bidder should upload the scanned copies of all the relevant certificates, documents etc. after page number all documents and tender document and prepare an index there of in the: <https://govtprocurement.delhi.gov.in>. in support of their price bids. The bidder shall sign on all the statements, documents, certificates, uploaded by him, owning responsibility for their correctness/authenticity and copies thereof may also be submitted in the office of the Asstt. Registrar (S&P), DTU alongwith original EMD.

1. The Competent Authority of the University does not bind himself to accept the lowest or any tender.

2. ALTERATION IN THE SPECIFICATION.

(i) The specifications mentioned/issued with this form of tender must not be altered by the Suppliers.

3. INCOMPLETE TENDERS

Tender will not be considered if complete information is not given at the time of tendering or if the particulars and data (if any) asked for are not given.

4. CANCELLATION OF TENDER/ CONTRACT/ IN PART OR IN FULL IN CASE OF DEFAULT IN CONTRACT/SUPPLY:

If the Supplier, in the opinion of the Institute fails or neglects to comply with any of the terms & conditions forming, part of the order issued, the head of institute shall without prejudice to any other right or remedies under the contract, has the right to cancel the contract /order by giving 15 days notice in writing to the Suppliers/firms without being liable to pay compensation for such cancellation.

5. Tender shall be uploaded as per guidelines indicated for e-procurement solution.

6. Demonstration/ sample of equipments has to be arranged by the suppliers, if desired by the institute. The technical committee may visit production facility of so desired.

**7. The quotation should be valid for a period of one year from the date of opening of the tender.**

8. Rates are to be quoted in INR (Rupee terms) only and any revision thereof is not allowed after the tenders have been opened.

9. The delivery period should be clearly mentioned against each item, incase, the items are not readily available, ex-stock offer will be preferred.

10. Rates should be quoted F.O.R Institution. Sales tax/VAT/Octroi, Custom duty and other taxes leviable, should be mentioned clearly indicating weather these are to be charged extra or included in the quoted price.

11. Consignment will not be insured at the Institute / University Cost.

12. Preference will be given to quotation pertaining to indigenous products, However, where suitable substitutes are not available and item need to be imported the following clarification / information should be given.

(i) Whether the item will be imported by the intended tenderers against its own import license or university will have to provide Custom Exemption Certificate (CDE).

(ii) Name and address of the foreign supplier.

(iii) Break up of CIF, and duty (if paid) should be given along with service charges if any.

(iv) Delivery period including information about mode of dispatch and possible duration (after dispatch) for receipt of item at the port.

(v) Whether the item required any special preparation for installation. In case yes, full details should be given regarding operation maintenance of the items.

- (vi) In case of costly/sophisticated items whether the tenderers will arrange any special training regarding operation / maintenance of the items.
- (vii) Nature of assurance for the supply of spares after the warranty period.
13. The payment will be made within 30 days after the successful demonstration/installation of the equipment. Rejected items/goods should also be removed within 30 days after which no responsibility will be accepted by University.
14. Conditional quotations and/or incomplete quotations in any respect will be rejected.
15. In case you cannot quote for one or more of the items asked for in the tender the word "NOT QUOTED" (in the rate column) should be indicated.
16. The specification of the item quoted by the firm should confirm to the University specification. Confirmation, in this respect should be specifically mentioned in the tender. Where the tenderer feels that the specification of the item not fully given or differ, from the specification of the item mentioned by the university, the exact specification of such item should be attached with the tender indicating the item quoted.
17. The Firm is required to link the University specifications with catalogues & leaflets/literature for each item. Details features, for compliance of specification should be provided on specification sheet & appropriate reference i.e. page no. & para of literature, leaflet wherefrom the relevant information has been checked, should be indicated.
20. **EARNEST MONEY:-** EMD should be attached with the technical bid. The EMD shall be in the form of the Demand Draft/Pay order of scheduled bank/Fixed Deposit Receipt of a scheduled bank issued in favour of **Registrar, Delhi Technological University, Delhi**. Zerox copy of the DD/PO/FDR is to be scanned and uploaded along with the bid, and the original DD/PO/FDR shall be sent to DTU so as to reach before the date of closing of the bids. Failure to furnish the original DD/PO/FDR before the closing of the bid, will entail rejection of bid and blacklisting. **If the tenderer after acceptance of the tender refused to take up the purchase order, his Earnest Money will be forfeited.** Any tender received without / less Earnest Money deposit shall be summarily rejected.
21. The Competent Authority reserves the right to reject any or all the tenders without assigning any reason, at any stage, and his decision will be final.
22. The supplies shall have to be made within the period specified in the purchase order failing which the order shall be cancelled and the Earnest Money will be forfeited. However, in exceptional circumstance and, on written request, from the supplier/tenderer, extension of date for supply of the material will be considered. Extension in supply period is at the sole discretion of the competent authority.
23. Service manuals, wherever available/ required, should be provided along-with the Equipments.
24. A WARRANTY certificate should invariably be supplied along with the item at the time of delivery. Non-Compliance of the same will result in non-acceptance of the item from the firm with whom the order was placed beside rejection of the tender.
25. The Competent Authority reserves the right to levy liquidated damages up to 2% of the value of the order for delayed supply. If the supply is delayed beyond the extended period, the University reserves the right even to cancel the order and forfeit the EMD of the firm/ tenderer.
26. **PERFORMANCE SECURITY DEPOSIT:-** The successful tenderer shall furnish a bank guarantee of the value starting from 05% of the cost of the item valid for a period of 60 days beyond one year from a nationalized bank to ensure the satisfactory performance of item supplied. The performance guarantee is to be submitted at the time of installation / demonstration of equipments. In case the performance of the item is not found satisfactory, the amount of bank guarantee will be credited in University account.
27. **DEFAULT: -** In the event of default and unsatisfactory service of the contractor/Supplier firm, the DTU will be at liberty to repair/get the item serviced from other party at the cost of supplier/contractor/ tenderer.
28. In case of software items, the suppliers should ensure that:-
- i. Legal software is supplied in original sealed pouches / P. K. T.

- ii. A license agreement is enclosed with it.
  - iii. A registration card is available for software.
29. **FAILURE AND TERMINATION:** - If the Contractor / Supplier fails to deliver the stores or any installment thereof within the period fixed for such delivery or at any time repudiates the contract before the expiry of such period, DTU may without prejudice to the right of the purchaser may recover damages for breach of the contract.
30. The technical & financial bids of only those bidders will be opened who fulfill the eligibility criteria and the required whose documents are found in order. If any of the date earmarked for opening of technical or financial bids happens to be holiday, the bids will be opened on the very next working day.
31. For any query/clarification in r/o technical aspect of the enquiry, HOD (Chemistry), DTU may be contacted.
32. In case of dispute, Jurisdiction will be Delhi only.

ASST. REGISTRAR (S&P)  
DELHI TECHNOLOGICAL UNIVERSITY,  
SHAHBAD DAULATPUR, BAWANA ROAD,  
DELHI – 110 042

**Technical Bid and****CHECK LIST OF DOCUMENTS TO BE SENT WITH TECHNICAL BID.****(A) PROFILE**

1	Name of the Tenderer (In block letters)	
2	Status of the firm i.e Public Ltd/ Pvt. Ltd /Partnership firm or Proprietorship firm.	
3	Name of the Director/Partner/Proprietor/ Authorized Signatory of the firm	
4	Complete address of the Firm with Phone No.	

**(B) OTHER DETAILS**

			PAGE NO.
1	Tin/ VAT registration No. (Issued by Trade & Tax Department, GNCTD.)	Regn. No. _____ Copy of certificate attached YES/NO	
2	PAN number	No. -----Yes/No	
3	Authorization Certificate/ Propriety Certificate	Yes/No	
4	Certificate having executed similar order/work/AMC in Govt. Offices/Public Sector Undertaking/ Edu. Institution	YES/NO	
5	EMD for Rs.-----	DD/FDR No. _____ Date _____ Name of Bank & Branch ..... YES/NO	
6	Brochure/Leaflets/Technical Information of the item(s), if any	Yes/No	
7	<b>All pages of Tender Document, duly signed.</b>	Yes/No	
8	<b>Detailed Technical specifications, Terms &amp; Conditions and Delivery period to be submitted on firm's letter head.</b>	Yes/No	

Attach copies of above documents duly signed by Tenderer.

All the facts as stated above are true to the best of my knowledge and belief. Further I have gone through the terms & conditions and agreed to abide by the same.

Signature of the tenderer or the  
Authorized Signatory with  
Seal of the firm/company.

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