

**MAHARSHI DAYANAND UNIVERSITY, ROHTAK**  
**UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY**

e- tenders are invited subscribed as “Tender for Equipment” (FT-IR Spectrophotometer) for the supply of Instrument, as per details given on website along with earnest money equal to 2% of the quoted rates on the total amount involved in the shape of Bank Draft along with a separate draft of **Rs. 1000/-** as tender fee in favour of Finance Officer, M.D. University, Rohtak so as to reach **Director, University Institute of Engineering & Technology, M. D. University, Rohtak** up to **04/07/2016 upto 2.00 p.m.** The e- tenders will be opened on 05/07/2016 at 03.00 p.m. For details may visit on <https://haryanaeprocurement.gov.in> / [www.mdurohtak.ac.in](http://www.mdurohtak.ac.in)

REGISTRAR

## **DNIT FOR FT-IR SPECTROPHOTOMETER**

*The FT-IR Spectrophotometer items as per Annexure 'A' is required to be purchased for Biotechnology Lab in UIET, MDU, Rohtak. You are requested to kindly quote your rates for the same. The terms & conditions for quoting/tendering the rates given in enclosed page may also be kept in view and signed. Your tender will interalia be subject to the following conditions:-*

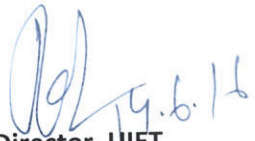
1. Every tender shall be accompanied by the tender fee of Rs. 1000/- and earnest money equal to 2% of the cost involved value. The money should be deposited through Bank Draft in favour of Finance Officer, Maharshi Dayanand University, Rohtak.
2. The tender received without earnest money, or after the due date shall not be entertained except with the special approval of the Competent Authorities.
3. The goods shall be supplied by the supplier within the time limit specified in the supply order. The delivery period can be extended by the Registrar/CPC, only in exceptional cases on written request of the Supplier giving reasons/explaining circumstances due to which delivery period could not be adhered to. In case, the material is not supplied within the delivery period, the supplier shall be liable to pay the University the compensation amount equivalent to 1% (one percent) of the cost of material per day or such other amount as the CPC/OSD(P&S) may decide till the supply remains incomplete, provided that the total amount of compensation shall not exceed 10% (ten percent) of the total amount of the cost of material to be supplied/supplied. Appeal against these orders shall, however, lie with the Vice-Chancellor, Maharshi Dayanand University, Rohtak whose decision shall be final.
4. In case the contractor backs out of his contract, the earnest money deposited by him shall be forfeited besides any other action as may be considered necessary by the Vice-Chancellor.
5. All the charges including packing, forwarding and installation, taxes, and other levies should be specified in the tender. The charges etc. not specified in the tender shall not be paid.
6. The tender should be submitted only if the material is readily available in your stock or can be supplied within 90 days after the order is placed.
7. The quantity of material/supplies shall be subject to increase or decrease on the tendered rates. This increase or decrease shall be communicated by the University within 90 days of acceptance of the tender.
8. Supplies shall be made as per schedule and within such time as is indicated in supply order.
9. 100% payment will be made on receipt and inspection of goods to ensure the specifications and their good condition.
10. The tenders shall be opened in the O/o Director, UIET, M.D. University, Rohtak, 05-07-2016 at 03:00 p.m. by the purchase Committee in the presence of Contractor/supplier and the Committee reserves the right for negotiation thereafter if considered necessary.
11. The rates accepted by the University shall be applicable for 180 days. The Supplier shall have to make the supply during this period as and when required.
12. The University Stands exempted from the payment of Octroi Charges/Central Excise Duty/Custom Duty. The rates be quoted keeping that fact in view, necessary certificate will be provided by the University.
13. The rates are to be offered on Company's Letter Pad otherwise no tender documents will be issued.
14. Contact on 01262-393291 from Monday to Friday on working hours between 09:00 a.m. to 5:00 p.m for any query.
15. All charges payable by the University should clearly be stated.
16. The rates should be quoted for the required specifications.

17. The University reserves the right to reject any or all tenders without assigning any reasons thereof.
18. Rates be quoted F.O.R. University Press, M.D. University, Rohtak inclusive installation of Machine, stating guarantee and warrantee period alongwith spares of all types.
19. All disputes subject to Rohtak Jurisdiction.

Signature \_\_\_\_\_

Name of the firm with seal/stamp \_\_\_\_\_

Affix Rubber Stamp of the firm

  
Director, UIET,  
UNIVERSITY INSTITUTE OF  
M.D. University, Rohtak  
ENGINEERING & TECHNOLOGY  
M.D. UNIVERSITY, ROHTAK

**MAHARSHI DAYANAND UNIVERSITY, ROHTAK  
UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY,  
M.D.UNIVERSITY, ROHTAK**

Phone:-01262-393291

Email: dir.uiet@mdurohtak.ac.in

STANDARD BIDDING DOCUMENT FOR PURCHASE OF EQUIPMENTS FOR THE BIOTECHNOLOGY LAB ON BEHALF OF REGISTRAR, M.D. UNIVERSITY, ROHTAK

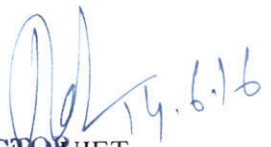
PART1: COMPLETE BIDDING DOCUMENT

**Name of Work: Purchase of equipment for the Biotechnology Lab in UIET, MDU, Rohtak**

**PRESS NOTICE**

**M.D. UNIVERSITY, ROHTAK  
Notice Inviting E-tender**

<b>M.D. UNIVERSITY, ROHTAK Notice Inviting E-tender</b>	
<b>Name of Work</b>	<b>Purchase of equipments for the Biotechnology Lab in UIET, MDU, Rohtak</b>
<b>Tender Docs Fee+ E Service Fees</b>	<b>Rs. 1000 + Rs. 1000 = Rs. 2000/-</b>
<b>Earnest Money</b>	<b>2% of the quoted rate of the Equipment.</b>
<b>Time Limit</b>	<b>6 to 10 Weeks</b>
<b>Tenders to be received till: 2.00 p.m on dated 04.07.2016</b>	
<b>i) The tenders will be received only through E-tendering for further details visit website <a href="https://haryanaeprocurement.gov.in">https://haryanaeprocurement.gov.in</a></b>	
<b>(ii) Cost of Bid document (to be paid Manual) is Rs. 1,000/- (non refundable) for each bid to be deposited through Demand Drafts in favour of "Finance Officer", M.D.U., Rohtak, payable at Rohtak.</b>	
<b>(iii) Willing Contractors shall have to pay is Rs. 1000/- the e- Service Fees in form of Demand Draft in favor of "Society for IT initiative fund for e - Governance" payable at Chandigarh.</b>	

  
14.6.16  
DIRECTOR, UIET  
UNIVERSITY INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
M.D. UNIVERSITY, ROHTAK

The Bidders can download the tender documents from the Portal:  
<https://haryanaeprocurement.gov.in>.

Earnest Money and Document Fee Deposit have to be deposited through **Demand Drafts in favor of "Finance Officer, M.D.U., Rohtak, payable at Rohtak** respectively.

Willing Contractors shall have to pay the e- service fees of Rs.1000/- in form of **Demand Draft in favour of "Society for IT initiative fund for e-Governance" payable at Chandigarh.**

However, the details of the EMD, Tender document Fee & E-Service Fee are required to be filled/ provided scan copies at the time of online Bid Preparation Stage; the Bidders are required to keep the EMD, Tender document fee & E- Service fee details ready beforehand. The contractual Agencies can submit their tender documents as per date below:-

#### Key Dates

Sr. No.	M.D.U. Stage	Rohtak	Contractor Stage	Start Date and Time	Expiry Date and Time
1.			Tender Document Download and Bid Preparation & Submission.	13-06-2016	04-07-2016 Upto 2:00 p.m.
2.			Manual Submission of Specification of Item, Tender Document Fee, EMD, E-Service Fee etc. in P&S Branch	04-07-2016	05-07-2016 Upto 2:00 p.m.
3.	Technical Opening/ Technical Evaluation/ Opening of Financial Bid.			05-07-2016 3:00 p.m.	05-07-2016 5:00 p.m.

#### Important Note:

- 1) The bidders shall have to complete Bid Preparation & Submission" stage on scheduled date & time as mentioned above. If any bidder failed to complete his/her aforesaid stage in the stipulated online time schedule for this stage, his/her bid status will be considered as "bids not submitted".
- 2) Bidder must confirm & check his/her bid status after completion of his/her all activities for e-bidding.
- 3) Bidder can rework on his/her bids even after completion of „Bid Preparation & submission stage" (Bidder Stage), subject to the condition that the rework must take place before the stipulated time frame of the Bidder Stage.

## Instructions to Bidder on Electronic Tendering System

These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.

### 1. Registration of bidders on eProcurement Portal:-

All the bidders intending to participate in the tenders processed online are required to get registered on the centralized e - Procurement Portal i.e. <https://haryanaeprocurement.gov.in>. Please visit the website for more details.

### 2. Obtaining a Digital Certificate:

2.1 The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital Certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.

2.2 A Digital Certificate is issued upon receipt of mandatory identity (i.e. Applicant's PAN Card) and Address proofs and verification form duly attested by the Bank Manager / Post Master / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – <https://haryanaeprocurement.gov.in>.

2.3 The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from:

**M/s Nextenders (India) Pvt. Ltd.**

O/o. DS&D Haryana,

SCO – 09, IInd Floor,

Sector – 16,

Panchkula – 134108

E-mail: [chandigarh@nextenders.com](mailto:chandigarh@nextenders.com)

**Help Desk: 1800-180-2097 (Toll Free Number)**

2.4 Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt and sign the data during the stage of bid preparation. In case, during the process of a particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised to keep a backup of the certificate and also keep the copies at safe place under proper security (for its use in case of emergencies).

2.5 In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no-objection certificate/power of attorney /lawful authorization to that User. The firm has to

authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000. Unless the certificates are revoked, it will be assumed to represent adequate authority of the user to bid on behalf of the firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.

2.6 In case of any change in the authorization, it shall be the responsibility of management / partners of the firm to inform the certifying authority about the change and to obtain the digital signatures of the new person / user on behalf of the firm / company. The procedure for application of a digital certificate however will remain the same for the new user.

2.7 The same procedure holds true for the authorized users in a private/Public limited company. In this case, the authorization certificate will have to be signed by the directors of the company.

### **3. Opening of an Electronic Payment Account:**

For purchasing the tender documents online, bidders are required to pay the tender documents fees online using the electronic payments gateway service shall be integrated with the system very soon till then it will be submitted manually. For online payments guidelines, please refer to the Home page of the etendering Portal <https://haryanaeprocurement.gov.in>.

### **4. Pre-requisites for online bidding:**

In order to bid online on the portal <https://haryanaeprocurement.gov.in>, the user machine must be updated with the latest Java & DC setup. The link for downloading latest java applet & DC setup are available on the Home page of the e-tendering Portal.

### **5. Online Viewing of Detailed Notice Inviting Tenders:**

The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal eProcurement system on the Home Page at <https://haryanaeprocurement.gov.in>

### **6. Download of Tender Documents:**

The tender documents can be downloaded free of cost from the eProcurement portal <https://haryanaeprocurement.gov.in>

### **7. Key Dates:**

The bidders are strictly advised to follow dates and times as indicated in the online Notice Inviting Tenders. The date and time shall be binding on all bidders. All online activities are time tracked and the system enforces time locks that ensure that no activity or transaction can take place outside the start and end dates and the time of the stage as defined in the online Notice Inviting Tenders.

### **8. Bid Preparation (Technical & Financial) Online/offline Payment of Tender Document Fee, eService fee, EMD fees.**

8.1 The online payment for Tender document fee, eService Fee & EMD can be done using the secure electronic payment gateway. The Payment for Tender Document Fee and eService Fee can be made by eligible bidders/ contractors online directly through Debit Cards & Internet

Banking Accounts and the Payment for EMD can be made online directly through RTGS / NEFT.

The secure electronic payments gateway is an online interface between contractors and Debit card / online payment authorization networks.

**The electronic payments gateway service shall be integrated with the system very soon till then it will be submitted manually.**

Hence, the bidders have to provide information and credentials related to manual payment submission at single portal e - Procurement system, under Technical Envelope of the respective tenders.

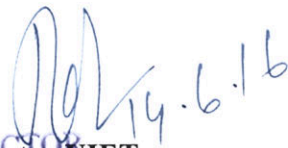
- 8.2 The bidders shall **upload** their technical offer containing documents, qualifying criteria, technical specification, schedule of deliveries, and all other terms and conditions except the rates (price bid).

The bidders shall **quote** the prices in price bid format.

**NOTE:-**

(A) Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal <https://haryanaeprocurement.gov.in>.

(B) For help manual please refer to the "Home Page" of the eProcurement website at <https://haryanaeprocurement.gov.in>, and click on the available link "How to...?" to download the file.

  
14.6.16  
DIRECTOR UIET,  
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19. All disputes subject to Rohtak Jurisdiction.

Signature \_\_\_\_\_  
Name of the firm with seal/stamp \_\_\_\_\_  
Affix Rubber Stamp of the firm

  
**Director, UIET,**  
M. D. University, Rohtak

**List of Technical Documents:-**

Sr. No.	Description	Bidders Response (Yes/No)	Remarks
1.	Authorization certificate from the manufacturer of equipment.		
2.	Copy of PAN Card		
3.	Copy of latest Income Tax Return		
4.	List of institutions where FT-IR Spectrophotometer has been installed		
5.	Satisfactory report regarding the equipment from institution		
6.	Specification of the Equipment		

**Technical Specifications and Requirements for FT-IR Spectrophotometer**

1. The standard spectral operating range should be 6,000-500  $\text{cm}^{-1}$  or better.
2. **Beam splitter ZnSe.**
3. Spectral resolution should be **less than 1  $\text{cm}^{-1}$ .**
4. Wavelength accuracy of at least  $\pm 0.05 \text{ cm}^{-1}$  or Better
5. Signal-to-Noise Ratio: 50,000:1 (**60 seconds, peak to peak, 4 $\text{cm}^{-1}$  resolution**) or better.
6. **Interferometer must be permanently aligned and highly stable.**
7. **All optics and mirrors must be gold coated only.**
8. The system will be used for the analysis of **Solid, Liquid, Powder, Gel, Paste and Black Samples** and it should be supplied with appropriate sample holding accessories.
9. Source should be long-life source.
10. Sample compartment should have a **non-hygroscopic** window.
11. System should have DLATGS/DTGS detector.
12. The system should have the ability to automatically recognize accessories and critical components must be checked prior to every scan.
13. The system must incorporate an automated internal instrument validation unit. The internal validation unit must be able to incorporate different validation standards and be fully software controlled. This instrument validation must not require user interaction and must produce a report documenting the results of the validation tests.
14. System must be quoted along with **Ge Crystal ATR Accessory** to analyze all type of sample like Powder, Liquid, Gel & Paste without any sample preparation.
15. Optical components like detector and source must be electronically coded, so that these components are automatically recognized when placed in the spectrometer. Appropriate parameter must be automatically transferred to the application software.
16. The system should be supplied with the accessories like Hydraulic press, Liquid mountable cell with KBr window, pellet holder, die, agate mortar & pestle, KBr powder.
17. **The system should have application for use of FTIR with Insects and it should be supplied with inbuilt spectral libraries of Organic, Inorganic & Polymer library. Inbuilt spectral: search function with different algorithms and should support commercial FTIR database.**
18. Software – should be Windows based system with facilities like Instrument control, Basic and advanced data manipulation routines, Spectral calculator etc.
19. Instrument should **run on battery** with suitable UPS.
20. System must be quoted along with suitable branded PC ( Dell/ Hp make ) ,UPS and Color Printer for operation.
21. The system must be able to be controlled by a laptop computer also.
22. The instrument should be connected with computer through Ethernet cable and should indicate whether the source, laser & other parts of instrument are operational.
23. **System must have 10 years warranty on interferometer and 5 year warranty on both laser & source.**
24. System must have minimum warranty of **1 Year** for complete instruments.
25. FOR MDU PRICES SHOULD BE INCLUDED.
26. Optional item:
  - a) Diamond ATR and ZnSe ATR.

- b) Gas Cell of 5 cm.
- c) Hydrocarbons library.
- d) Extended warranty of FTIR for two years.



**Director UIET,  
M.D.U., Rohtak**