

CHEMISTRY DEPARTMENT

E- tender on behalf of Registrar is invited subscribed as “Tender for Equipment” (As per list attached) for the supply of Instrument as per detail given on website along with earnest money equal to 2% of the quoted rates on the total amount paid through online mode and a separate fee of Rs. 2000/-- as tender fee in account of Finance Officer, M.D. University, Rohtak will also be deposited through online mode. Last date of submission of e- tender will be **25.02.2020**. The e- tenders will be opened on **27.02.2020** at 11.00 a.m. For details may visit on <https://haryanaeprocurement.gov.in> / www.mdurohtak.ac.in

REGISTRAR

**MAHARSHI DAYANAND UNIVERSITY, ROHTAK
DEPARTMENT OF CHEMISTRY**

Phone;- 01262-393133

Email; hod.chem@mdurohtak.ac.in

E- tender on behalf of Registrar is invited subscribed as “Tender for Equipments for the supply of Instrument as per detail given on website along with earnest money amounting 2% of quoted rate and a separate fee of Rs. 2000/- tender fee + 1000/- e-Service/Processing Fees paid through online mode as a demand drafts. Last date of submission of e- tender will be **25.02.2020 upto 04:00 P.M.** The e-tenders Technical Bids will be opened on **27-02-2020 at 11.00 A.M** in case the day of opening of tenders happens to be holiday, the tenders will be opened on the next working day. The time and place of receipt of tenders and other conditions will remain unchanged. For details may visit on **<https://etenders.hry.nic.in>**

REGISTRAR

PRESS NOTICE

M.D. UNIVERSITY, ROHTAK Notice Inviting Tender	
Purchase the Equipment for Department of Chemistry:-	pH Meter(15), Conductivity Meter(14), Vacuum pump(04), Electronic Balance(03), Ice making Machine(01), Water bath(10), Refratometer(05), Melting point(06), 2KVA UPS(02), Magnetic Stirrer with Heating Mantle(06), Mass flow Controller for multiple gases and mixture(01)
Earnest Money:	2% of the quoted rate of equipment
Tenders to be received till: 04.00 PM on dated 25-02-2020.	
<p>(i) The tenders will be received only through E-tendering for further details visit website http://www.etenders.hry.nic.in</p> <p>(ii) Cost of Bid document is Rs. 2000/- (non refundable) for each bid to be deposited through online.</p> <p>(iii) Earnest Money (as mentioned above) will be deposited through online mode.</p> <p>(iv) Willing firm/dealer shall have to pay is Rs. 1000/- the e- Service/Processing Fees through online.</p>	

(v) The firms/dealer/agencies will keep in touch with the University Web site (<http://www.etenders.hry.nic.in>) for any amendment/ addendum till the last date/revised last date of submission of tender and may incorporate such changes in the tender bids, if required.

Head
Department of Chemistry
M.D.U, Rohtak

DETAIL NOTICE INVITING TENDER

e-Tender behalf of Registrar,MDU,Rohtak is invited for purchase **Equipment** in single stage two cover system i.e. Request for Pre-Qualification/Technical Bid (online Bid under PQQ/ Technical Envelope) and Request for Financial Bid (comprising of price bid Proposal under online available Commercial Envelope):-

Sr. No.	Name of Item	Appx.Cost (Rs. In lacs)	EMD to be deposited by Bidder	Tender Document Fee & e-Service Fee (Rs.)	Start Date & Time of Bid	Expiry Date & Time of Bid
1.	Purchase of equipment for the Department of Chemistry	As quoted by the bidder	2% of the quoted price	Rs. 2000/- for Tender Document fee &Rs. 1000/- for e-Service fee	05/02/2020	25-02-2020 upto 04.00 pm

- Detailed notice inviting tender can be seen in the office of the undersigned during office hours.
- Bidding documents available on website <http://www.etenders.hry.nic.in>
- Newly enlisted contractors/societies/suppliers/manufactures should bring with them proof of their enlistment in appropriate class.
- The bidders would submit bid through e-tendering only on the website i.e. <http://www.etenders.hry.nic.in>

Under this process, the Pre-qualification/ Technical online bid Application as well as online Price Bid shall be invited at single stage under two covers i.e. PQQ/Technical & Commercial Envelope. Eligibility and qualification of the Applicant will be first examined based on the details submitted online under first cover (PQQ or Technical) with respect to eligibility and qualification criteria prescribed in this Tender document. The Price Bid under the second cover shall be opened for only those Applicants whose PQQ/ Technical Applications are responsive to eligibility and qualifications requirements as per Tender document.

1. The payment for Tender Document Fee and e-Service Fee shall be made by eligible bidders online directly through Debit Cards & Internet Banking Accounts and the payment for EMD can be made online directly through NET BANKING/RTGS/NEFT or OTC Please refer to 'Online Payment Guideline' available at the Single e-Procurement portal of GoH (Govt. of Haryana) and also mentioned under the Tender Document.

2. Intending bidders will be mandatorily required to online sign-up (create user account) on the website <https://haryanaeprocurement.gov.in> to be eligible to participate in the e-Tender. **He/She will be required to make online payment of EMD fee in due course of time. The intended bidder fails to pay EMD fee under the stipulated time frame shall not be allow to submit his / her bids for the respective event / Tenders.**

3. The interested bidders must remit the funds at least T+1 working day (Transaction day + One working Day) in advance i.e. on or before (as mentioned above) and make payment via NET BANKING/RTGS /NEFT or OTC to the beneficiary account number specified under the online generated challan. The intended bidder / Agency thereafter will be able to successfully verify their payment online, and submit their bids on or before the expiry date & time of the respective events/Tenders at <http://www.etenders.hry.nic.in> .

The Bidders can submit their tender documents (Online) as per the dates mentioned in the key dates:-

Key Dates

Sr. No	Department Stage	Bidder's Stage	Start date and time	Expiry date and time
1		Tender Document Download Preparation/Submission	05/02/2020 2.30pm	25-02-2020 upto 04.00 pm
2	Technical Bid Opening		27/02/2020 at 11.00 A.M.	
3	Financial Bid Opening		28/02/2020 at 11.00 A.M.	

*** Hard copy of the Technical Documents may be submitted in the office of the Head, Department of Chemistry , M.D.U., Rohtak before the Technical Bid Opening.**

Important Note:

1) The Applicants/bidders have to complete 'Application / Bid Preparation & Submission' stage on scheduled time as mentioned above. If any Applicant / bidder failed to complete his / her aforesaid stage in the stipulated online time schedule for this stage, his / her Application/bid status will be considered as 'Applications / bids not submitted'.

2) Applicant/Bidder must confirm & check his/her Application/bid status after completion of his/her all activities for e-bidding.

3) Applicant/Bidder can rework on his/her bids even after completion of 'Application/Bid Preparation & submission stage' (Application/Bidder Stage), subject to the condition that the rework must take place during the stipulated time frame of the Applicant/Bidder Stage.

4) In the first instance, the online payment details of tender document fee + e-Service and EMD & PQQ/Technical Envelope shall be opened. Henceforth financial bid quoted against each of the item by the shortlisted bidder/ Agency wherever required shall be opened online in the presence of such bidders/ Agency who either themselves or through their representatives choose to be present. The bidder can submit online their bids as per the dates mentioned in the schedule/Key Dates above.

The bids shall be submitted online in two separate envelopes:

Envelope 1: Technical Bid

The bidders shall upload the required eligibility & technical documents online in the Technical Bid.

Envelope 2: Commercial Bid

The bidders shall quote the prices in price bid format under Commercial Bid.

CONDITIONS: -

1. **DNIT & prequalification criteria can be** seen on any working day during office hours in office of the undersigned.
2. Conditional tenders will not be entertained & are liable to be rejected.
3. In case the day of opening of tenders happens to be holiday, the tenders will be opened on the next working day. The time and place of receipt of tenders and other conditions will remain unchanged.
4. **The undersigned reserve the right to reject any tender or all the tenders without assigning any reasons.**
5. **The societies shall produce an attested copy of the resolution of the Co-operative department for the issuance of tenders.**
6. The tender without earnest money/bid security will not be opened.
7. The Jurisdiction of court will be at Rohtak.
8. The tender of the bidder who does not satisfy the qualification criteria in the bid documents are liable to be rejected summarily without assigning any reason and no claim whatsoever on this account will be considered.
9. The bid for the work shall remain open for acceptance during the bid validity period to be reckoned from the last date of „Manual submission of BS. If any bidder/tenders withdraws his bid/tender before the said period or makes any modifications in the terms and conditions of the bid, the earnest money shall stand forfeited. **Bids shall be valid for 120 days from the date of bid closing i.e. from last date of manual submission of EMD. Incase the last** day to accept the tender happens to be holiday, validity to accept tender will be the next working day.

For & on behalf of Registrar, MDU,
Rohtak.

**Head,
Department of Chemistry
M.D. University, Rohtak**

TERMS AND CONDITIONS GOVERNING THE TENDERS FOR THE SUPPLY

1. Every e-tender shall be accompanied by the earnest money equal to 2% of the quoted price and Rs.2000/- as tender fee and E-service fee Rs.1000/- should be deposited through online mode. The earnest money should be deposited through online mode.
2. The e-tender received without earnest money or after the due date shall not be entertained except with the special approval of the competent authorities.
3. Please specify price, exclusive of all taxes, levies, etc. All applicable taxes / levies should be mentioned separately.
4. Please quote the price of the instrument (as per demanded specifications) separately, and costs of all accessories separately. Please also specify the cost of warranty / guarantee AMC year wise as a separate head. The price of all items / accessories, offered as free of cost, should also be mentioned separately. The quoted price shall include free installation. Accessories / pre-requisites for the installation / smooth working of the instrument should be specifically mentioned before hand, by the bidder.
5. The e-tender shall be opened in the Office of the Head, Department of Chemistry, M. D. University, Rohtak, Technical Bid Opening on, 27/02/2020 at 11.00 A.M onwards and Financial Bid Opening on 28/02/2020 at 11.00 A.M. by the Tender Committee and, in the presence of the bidder / authorized representative and the Committee reserves the right for negotiation thereafter, at any stage, if considered necessary.
6. Rates should be carefully filled up, both in words and figures, without any cutting, erasing or overwriting.
7. Rates should be quoted in Indian Rupees/ Foreign Currency . Price should be quoted FOR Department of Chemistry, MDU, Rohtak. All clearing / packaging / transportation / insurance charges, etc., shall be borne by the bidder (to be quoted in the bid).
8. In case the bidder quoting the lowest rates declines to accept the offer, the EMD of such bidder shall be forfeited and the bidder shall be blacklisted by the University for any Kind of dealing in future.
9. The bidder shall have to submit compliance report, as per ANNEXURE "A", "B", "C" & "D". In case of non compliance, the bid will be rejected.
10. The EMD of the unsuccessful bidder shall be returned on the completion of all the process.
11. Demonstration of the instrument, along with "USER SATISFACTION REPORT", may be demanded by the Tender Committee, before finalizing the supply order.
12. The instrument will be accepted subject to the approval of the Inspection Committee.
13. The supply shall be executed within the time specified in the supply order, which may be extended by the Registrar, on an application of the supplier, explaining the reasons / circumstances due to which time limit could not be adhered to. In the event of the supplier failing to supply the material within the specified time, he shall be liable to pay as compensation an amount equal to one percent or such amount, as the Registrar may decide, on the said amount of the contract, for every day that the quantity remains incomplete, provided that the entire amount of compensation will not exceed 10 percent of the total amount of contract. An appeal against these orders shall however lie with the Vice Chancellor, whose decision shall be final.
14. The University stands exemption/eligible for lower GST rate for the payment of Central Excise Duty/Customs Duty/GST and shall provide the necessary certificates to this effect, as applicable. The bidder shall quote the rates accordingly.
15. Goods which do not fulfill the specifications or which are rejected by the Inspection Committee shall be lifted by the supplier at his own cost, and no payments shall be made in lieu of the same.
16. The quantity / number of the instruments may be increased / decreased, within the financial year 2019-2020.
17. Bidder must specify the guarantee / warrantee / AMC, along with the breakup of the costs of guarantee / warrantee / AMC year wise. The University shall prefer instruments offered with the maximum guarantee / warrantee / AMC.

18. Payment will be made after delivery. **No advance payments will be made.** Payments through Bank Guarantee / LC etc., as admissible under the government rules, will be allowed, in particular for foreign currency. Full payment will be made only upon the “Acceptance report” of the Inspection Committee.
19. The University reserves the right to retain part of the payment as “Performance Guarantee”, and the same shall be finalized by the Tender Committee, in the course of negotiations.
20. Other terms and conditions are as per the Terms & Conditions specified in the Notice Inviting Tender.
21. Submission of the bid shall be deemed to have prior acceptance of all the terms & conditions, as specified above, by the bidder.

**Head,
Department of Chemistry,
M.D.University, Rohtak**

ELIGIBILITY CRITERIA

The following criteria must strictly be fulfilled by the bidder. The bidder must submit the documentary evidence in support of their claim for fulfilling the criteria and they should also submit an undertaking on their letterheads to the fairness of these documents while submitting the bid. The bids received without the documentary evidence will be rejected outright.

1. MDU invites bid from the authentic manufacturers / authorized dealers / authorized representatives. The bidder must fill & submit Annexures "A", "B" and "C". Incomplete annexures as specified may result in rejection of the bid.
2. The bidder should be a company / firm / organization, registered in India. In case of foreign manufacturers, the bid must include name & address of its authorized Indian entity, as per
3. Annexure "A", "B", and "C".

The bidder shall also append the following declaration with the tender:

DECLARATION

I / We (Name & address of the firm / organization, etc) _____ do hereby solemnly affirm and declare that the facts stated in the technical bid and annexures A, B

1. C are correct and true to the best of my / our knowledge and belief and nothing has been concealed therein. In case of any concealment or misrepresentation detected at any stage, I / We shall be liable for legal action under Section 182 and Section 415, read with Section 417 and 420 of the Indian Penal Code, as the case may be.

Place:

Dated:

(Signature of the Vender)
with full Name, Address, Seal & Stamp.

ANNEXURE "A"

Manufacturer's Authorization Certificate Ref. No. _____ Dated:
 _____ To _____
 _____ (Name of the supplier / authorized dealer) Whereas
 _____ (Name & address of the manufacturer) who are official
 manufacturer of _____ (Name of the instrument) having factory at
 _____ (Address of the factory) do hereby authorize _____ (name
 of the supplier / authorized dealer) indicated above, the purpose of which is to provide the following
 instrument , viz., _____ manufactured by us
 _____ and to subsequently negotiate and sign the contract.

Name : _____

In the capacity of : _____

Signed & stamped : _____

Duly authorized to sign the authorization for and on behalf of : _____

Date : _____

ANNEXURE “B”

Undertaking (on official letterhead)

This is to certify that M/s _____ address _____ has not ever been blacklisted from / any / by University / Organization / Government Agency, etc., for any reason, at any point of time and no legal case / proceedings against the bidder / agency / supplier / manufacturer, etc., is pending, as on date.

(Dated, signed and stamped by the authorized person)

ANNEXURE “C”

Technical details for providing the Instruments

1.	Name and address of the agency / bidder / manufacturer / supplier, etc.	
2.	Contact person, with phone number, mobile number, and e-mail id	
3.	Year and month of establishment	
4.	Type of firm / organization (Proprietary / Private	/
5.	Public / Govt.) Copy of registration if applicable	
6.	Total annual financial turnover in the last three	
7.	financial years (attach audited copy) GST / sales tax registration number	
8.	Income tax number (PAN / TIN)	
9.	Quality certification number / licence, if any	
10.	Since when engaged in providing / manufacturing	
11.	scientific instruments Experience in domain expertise	
12.	Name and address of the Universities organizations etc. where the said instruments been supplied and installed (Satisfactory Report may be demanded by the University)	/ Have User

Certified that all the terms and conditions of this TENDER are acceptable by us.

(Authorized signatory)

with full name, designation and stamp, contact numbers, e mail id, etc.

ANNEXURE "D"

Sr. No.	Specification asked	Specification of the instrument quoted	Comply/Better

Specifications of Instruments

1. pH Meter

Make: Elico Ltd. (Hyderabad), Mettler Toledo India Private Ltd, Henna Instruments (India), Omega Engineering (India)

Specifications

pH

Range: 0 to 14

Readability: 0.01

Accuracy: $\pm 0.01^*$

Repeatability ± 0.01

Stability ± 0.05 in 8 hrs

EMF in mV

Range: ± 1999

Resolution: 1

Accuracy: $\pm 0.1\%$ of Range or ± 1 counts

Repeatability: ± 1

TEMPERATURE

Range: 0 to 100°C

Resolution: 0.1 °C

Accuracy: $\pm 0.5^\circ\text{C}$

Repeatability: $\pm 0.1^\circ\text{C}$

Compensation: Manual/Auto

SENSOR INTERFACE

Input Impedance: $>10^{12}$ Ohm @ 25°C

Receptacle: BNC

SLOPE CORRECTION: 80 to 120%

Stand with Electrode holding clamp, Buffer tablets and Polythene Bottles.

Combination pH Electrode and Temperature Probe.

2. Conductivity Meter

Make: Elico Ltd. (Hyderabad), Mettler Toledo India Private Ltd, Henna Instruments (India), Omega Engineering (India)

Specifications:

Range: 0 to 20, 200 μS^*

0 to 2, 20 & 200 mS^*

Readability: 0.05 % of Range

Accuracy: $\pm 1\%$ of Range

Repeatability: $\pm 1\%$ of Range

OPERATING FREQUENCY: 50/1000 Hz

TEMP. COMPENSATION: 0 to 50°C Manual

TEMP. CO-EFFICIENT: 2%

CELL CONSTANT: 0.1, 0.5 or 1.0 (Selectable)

OUTPUT: 20 mV Full Scale into 10 k Ω Resistive Impedance.

Cell stand with Cell holding Clip

Dip type Conductivity cells of cell constants 0.1, 0.5 and 1.0

3. Vacuum Pump

These rotary high vacuum pumps are quite-in-operating & vibration-free designed for continuous working. Factory tested to assure satisfactory performance. The pump mechanism is contained in metal case with oil level sight gauge and drain plug at base. Motor driven pumps are completely mounted on rectangular base and are furnished with V-belt.

Capacity Pump Single/Double	Speed Motor RPM	HP	Single Stage	Double Stage
S-25 / D-25	450 / 450	0.25 / 0.25		
S-50 / D-50	450 / 450	0.25 / 0.25		
S-100 / D-100	450 / 450	0.25 / 0.50		
S-200 / D-200	400 / 400	1.00 / 1.00		
S-300 / D-300	400 / 400	1.00 / 1.00		

Optional accessories :

- | | |
|---------------------|------------------------------|
| 1. Gas Blast | 4. Belt Guard |
| 2. Non Return Valve | 5. Vaccum Gauge |
| 3. Moisture Trap | 6. Vaccum Pump Oil (Per Ltr) |

4. Electric Balance

- Digital
 - Minimum capacity-0.001gm/1mg
 - Maximum capacity at least 210gm.
 - Full tare range
 - Working temp. range 10-40.
- Automatic calibration.

5. Ice making Machine

.Stainless steel body.

- Flake Machines with self contained bins in production capacities of 70 and 120 kg per day and modular flake ice machine with capacity of 200 kg per day
- Low water and energy consumption

6. Water Bath

WATER BATH RECTANGULAR (Double Wall)

Double walled construction. Outer body made of mild steel painted with powder coating. Inner chamber made of thick S/Steel compete with concentric rings. Temperature controlled by hydraulic thermostat from ambient to 95°C, +/-1°C. Complete with heating & main indicator, cord & plug but without thermometer. To work on 220/230V AC.

Size (LxBxH)

- a) 300 x 250 x 100 mm (6 holes 75 mm dia)

7. REFRACTOMETER

These instruments are widely used for measuring the sugar concentration of sugar cane, Fruit juice syrups, jams, cola, confectionery products and liquid

Measuring range nD	1.300 to 1.700
Measuring range, sugar	0 to 90%
Measuring Accuracy nD	0.001 (direct reading)
Measuring Accuracy, sugar	1% by direct reading

8. Digital Melting Point Apparatus

Silicon oil bath and built in magnetic stirrer for uniform heating, Readability; 1°C
Temp. 0-300°C; Four digit seven segment Red LED display

9. 2KVA UPS

IGBT online UPS.

Batteries having online 30 minute backup.

10. Magnetic Stirrer with Heating Mantle

Temp. control upto 500 C

- Max stirring capacity-10L
- Speed range -100-1500 rpm
- Temperature range -50-500 C
- Control accuracy with sensor –ETS-DS/0.5K

Heating plate material-ceramic.

11. Mass flow Controller for multiple gases and mixture

Type: Digital thermal mass flow controller

Accuracy: Standard: $\pm 1.0\%$ of full scale including linearity under calibration conditions ($\pm 2.0\%$ of full scale for 100M from 201-300 slpm)

Dial-A-Gas: $\pm 1.0\%$ of full scale in all 10 standard gases

Repeatability: $\pm 0.2\%$ of full scale

Temperature Coefficient $\pm 0.025\%$ of full scale per °F ($\pm 0.05\%$ of full scale per °C), or better

Pressure Coefficient: $\pm 0.01\%$ of full scale per psi ($\pm 0.15\%$ of full scale per bar), or better

Response Time: 2 seconds (typical) to within $\pm 2\%$ of final value (includes settling time), faster or slower available upon request (Controllers only).

Mass Flow Rates: Low Flow: maximum up to 1 slpm

Gases: Measures and controls all clean gases including corrosives (CO₂, 10% CO₂:N₂, 20% CO₂:N₂, N₂, CO, Ar, Air, CH₄, Nitrous oxide)

Gas and Ambient Temperature: 0 to 50°C

Standard Gas Pressure: 100 PSIG maximum

Leak integrity: 5×10^{-9} atm cc/sec helium or better.

Burst pressure: up to 51.7 barg

Control Range for Controllers: 2–100% of full scale flow; automatic shut-off at 1.9%.

Flow Controller configuration: Process gas/Engineering units shall be selectable/configurable through application software & Push bottom switch for the instrument.

Input power requirement: 24 VDC

Wetted Material: 316 stainless steel or equivalent; 416 stainless steel; Viton “O”-rings and valve seat standard; other elastomers

Digital Display: with Modbus RTU protocol allows digital multi-drop networks;

Available with optional LCD display, Internal gas flow totalizer with adjustable pulse output

Calibration test report: 5 Point NIST traceable calibration report

Output signal: 0-5 VDC and 4-20 mA linear output for the measured mass flow rate

Software: Instrument control software should be provided along with the system.

Suitable communication cable & power supply required to run MFC

Differential Pressure Requirement for Controller: Pressure drop in PSI: 1.5, Low Flow (1/4 inch fittings)

Technical Documents

Sr. No.	Description	Bidders Response (Yes/No) and attach all documents while apply online bid
1.	Authorization certificate from the manufacturer of equipments	
2.	Copy of PAN card	
3.	Copy of latest income tax return.	
4.	List of institutions where equipments have been installed successfully in Govt./Semi-Govt. Deptt. and autonomous bodies and State/Centre Govt. Undertakings	

FINANCIAL DOCUMENTS/ (BOQ)

Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST (If applicable in Percentage)	GST Amount in Rs. P	HSN / SAC Code	TOTAL AMOUNT excluding taxes in Rs. P	TOTAL AMOUNT including taxes Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	7	8	9	10	11	12	13

Contractor

Witness

Employer