



MAHARSHI DAYANAND UNIVERSITY
ROHTAK – 124001 (Haryana) India
(A State University established under the Haryana Act. No.25/1975)
(NAAC Accredited 'A+' Grade)

Email: hod.env.sc@mdurohtak.ac.in

STANDARD BIDDING DOCUMENT FOR PURCHASE OF ATOMIC ABSORPTION SPECTROPHOTOMETER (01 NO.) IN DEPARTMENT OF ENVIRONMENTAL SCIENCES, M. D. UNIVERSITY, ROHTAK.

NAME OF WORK: ATOMIC ABSORPTION SPECTROPHOTOMETER (01 NO.) IN DEPARTMENT OF ENVIRONMENTAL SCIENCES, M. D. UNIVERSITY, ROHTAK.

PRESS NOTICE

MAHARSHI DAYANAND UNIVERSITY, ROHTAK Notice Inviting e-Tender	
Name of Work:	ATOMIC ABSORPTION SPECTROPHOTOMETER (01 NO.) IN DEPARTMENT OF ENVIRONMENTAL SCIENCES, M.D. UNIVERSITY, ROHTAK.
Estimated Cost:	Rs. 24.70 Lacs including GST
Earnest Money:	2% of tender cost- Rs. 49400/-
Tender Docs Fee+ E Service Fees (non-refundable)	Rs. 2000+ Rs. 1180/-
e-Tenders to be uploaded up to:	
i) The tenders will be received only through e-tendering. For further details, like vendor registration, payment process and e-tender filling process, etc., visit the website https://etenders.hry.nic.in ii) The cost of the Bid document is Rs.2000/- (non-refundable), which will be deposited online through https://etenders.hry.nic.in iii) Earnest Money (as mentioned above) will be deposited online through https://etenders.hry.nic.in iv) Willing bidders shall have to pay Rs.1,180/- (non-refundable) as the e-Service/ Processing Fee online through https://etenders.hry.nic.in v) The interested parties/bidders should visit the University website (https://mdu.ac.in) or https://etenders.hry.nic.in regularly for corrigendum(s), if any, which may be issued regarding extension of date, modification of eligibility or amendments in other terms & conditions, etc. The addendums/corrigendum(s) will not be published in newspapers. vi) The bidder, who is registered as MSME of Haryana State only for the same work, is exempted from payment of EMD, but the Bidder will have to submit an affidavit to this effect as per Annexure-I available on the website of the Dept. of Industries & Commerce Department, Govt. of Haryana.	

Registrar
M.D. University, Rohtak

DETAILED NOTICE INVITING TENDER

E-Tenders are invited to supply of Atomic absorption spectrophotometer (01 no.) In department of environmental sciences, M. D. University, Rohtak.

Sr. No	Description of Items	Appx. Cost (Rs.in lakhs)	EMD to be deposited by Bidder	Tender Document Fee & eService Fee(Rs.)	Start Date & Time of Bid Preparation & Submission	Expiry Date & Time of EMD Submission	Expiry Date & Time of Bid Preparation & Submission
1.	Atomic absorption spectrophotometer (01 no.) In department of environmental sciences, M. D. University, Rohtak.	24.70 Lacs	2% of Tender Cost Rs. 49400/-	Rs. 2000 for Tender Document fee and Rs.1,180.00 for e-Service fee	17.08.2026 10:00 AM onwards	07.09.2026 11 AM	07.09.2026 11 AM

1. Any clarification regarding the detailed notice inviting tender can be sought from the Head, Department of Environmental Sciences during office hours or E-Mail: hod.env.sc@mdurohtak.ac.in
2. Tender document is available on the website <https://etenders.hry.nic.in> and <https://mdu.ac.in>. No tender documents will be issued separately.
3. The Bidders would submit bids through e-tendering only on the website <https://etenders.hry.nic.in>

Under the process, the Pre-qualification Questionnaire / Technical Online Bid application and Online Price Bid shall be invited at a 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 only for those Applicants whose PQQ/Technical Applications are responsive to eligibility and qualifications requirements as per Tender documents. The tenderer should read the terms & conditions and specifications in the tender document strictly before submission of the e-tender. Tender documents can be downloaded/ uploaded online on the Portal: <https://etenders.hry.nic.in>

1. The payment of the tender document fee, as well as EMD and e-Service/Processing Fee, shall be made by eligible bidders through online mode only from <https://etenders.hry.nic.in>
2. The interested bidders will be mandatorily required to online sign up (create a user account) on the website <https://etenders.hry.nic.in> to be eligible to participate in the e-tender.
3. 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 and Bid Preparation/Submission	17.08.2026 10:00 AM onwards	07.09.2026 11 AM
2	Technical Bid Opening	08.09.2026 11:00 AM		
3	Financial Bid Opening	To be decided later after technical bid opening		

IMPORTANT NOTE:

- 1) The Applicants/bidders have to complete the 'Application / Bid Preparation & Submission' stage on the scheduled time as mentioned above. If any Applicant / Bidder fails to complete his / her aforesaid stage in the stipulated online time schedule for this stage, his / her Application / Bid status will be considered as 'Application / Bid not submitted'.
- 2) Applicant / Bidder must confirm and check his/her bids even after completion of his/her all activities for e-bidding.
- 3) Applicant/Bidder can rework on his / her bids even after completion of the '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 Fee and EMD and PQQ/Technical Envelope shall be opened. After that, the financial bid quoted against each item by the shortlisted bidder/agency, wherever required, shall be opened online. If the bidders wish to participate, they are welcome to participate during the process. The bidder must submit online bids per the dates mentioned in the scheduled/Key dates above.
- 5) 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/Financial Bid
The bidders shall quote the prices in Price Bid format under Commercial/Financial Bid.

TERMS AND CONDITIONS GOVERNING THE TENDERS FOR THE SUPPLY

1. Every e-tender shall be accompanied by the Earnest Money (. 2% Fixed amount) -Rs. 49400/- of the tender value and Rs. -2000/- as tender fee and Rs. 1,180/- for e-services fee should be deposited through online mode only.
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 for MSME only).
3. The e-tenders shall be opened in the office of Head, Department of Environmental Sciences, M.D. University, Rohtak on 08.09.2026 at 11:00 AM by the Purchase Committee.
4. The goods shall be supplied by the Supplier within the time limit specified in the supply order. In case, the material is not supplied within the delivery period, the supplier shall be liable to pay compensation amount equivalent to 1% (one percent) of the cost of material each day to the University or such other amount as the University 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 supplied. Appeal against these orders shall, however, lie with the Vice-Chancellor, M.D. University, Rohtak whose decision shall be final.
5. Only the firms having GST No. can quote their rates for required items.
6. HSN Code must be entered in the hard copy while quoting the rates.
7. FOR shall be Department of Environmental Sciences, M.D. University, Rohtak.
8. 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.
9. The EMD exemption be allowed for those MSMEs registered with Govt. of India (Ministry of Micro, Small and Medium Enterprises) and located in State of Haryana only (as per Haryana State Public Procurement Policy for MSMEs 2016 vide G.O. No. 02/02/2016- 41B11(1) dated 20/10/2016).
10. 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 180 days of acceptance of the tender.
11. Supplies shall be made as per the schedule and within such time as is indicated in the supply order.
12. The rates accepted by the University shall be applicable up to 180 days and the supplier shall have to make supply during the period as and when required.
13. The University is situated within the Municipal Limits. As such, Octroi, if any, shall be payable. In case, the material is supplied through a Transport Company by road, the Transport Company's charges, labour charges and octroi charges shall be borne by the supplier. It may be mentioned specifically as to whether the material will be sent by rail or by road through a Transport Company.
14. No tender will entertained after last date.
15. Guarantee/warranty of items must be mentioned.
16. No tender documents will be issued separately and rates are to be offered on company's letter pad.
17. If a holiday occurs on the opening day, the tenders will be opened on the next working day.
18. The packing, forwarding, freight, insurance charges etc. may be quantified in terms of amount. These charges will not be payable against any vague statement such as "packing, forwarding, freight and insurance charges etc. extra".
19. In case, the supplier/contractor fails to execute the supply order/contract on the rates, and terms and conditions as contained in the supply order within the stipulated period, they shall be liable to such action as blacklisting, debaring from having any business with this University, forfeiture of earnest money/security, besides any other action as may be deemed proper by the University.
20. As a general policy, the University tries to make 100% payment within 30 working days of the receipt of material subject to proper installation, wherever applicable, and satisfaction of the Inspection Committee. No advance payment or payment against documents negotiated through Bank shall be made.
21. The acceptance of the material shall be subject to satisfactory report of this Office's Inspection Committee/Technical Committee/Experts Committee.
22. The acceptance of the tender shall rest with the Registrar who does not bind himself to accept the lowest tender and reserves the right to reject any or all items of tender without assigning any reason thereof. The Registrar also

reserves the right to accept tender in part i.e. any item or any quantity and to reject it for the rest.

23. It may be certified that you have not been debarred/blacklisted for any reason/period by DGS&D, DS&D (Haryana) or any other Central/State Govt. Dept./University/PSU etc. If so, particulars of the same may be furnished. Concealment of facts shall not only lead to cancellation of the supply order, but may also warrant legal action.

24. In case, any other information/clarification is required, the undersigned may be contacted at: hod.env.sc@mdurohtak.ac.in.

25. The Sub Committee reserves the right for negotiation thereafter if considered necessary.

26. The items be purchased from the firm(s) on the basis of quality and not merely on the lowest rates.

27. The rates should be quoted for required specifications. The technical specifications of machineries & equipments required must accompany the tender. The decision of the University will be final with regard to the quality of material to be purchased.

28. The tender should be submitted only if the material is readily available in your stock or can be supplied within 180 days or as per negotiations, after the order is placed.

29. Terms and conditions printed on tender/Invoice of the firm, if any, shall not be binding on the University, except those mentioned specifically on the supply order of MDU, Rohtak, and your acceptance of the order shall be construed as your agreement to all the terms and conditions contained in the order.

30. The dispute, if any, shall be subject to the jurisdiction of Courts at Rohtak. Any other jurisdiction mentioned in the tender or invoices of the manufacturers/distributors/ dealers/suppliers etc. shall be invalid and shall have no legal sanctity.

31. Performance bank guarantee for the warrantee period @ 5% of the cost of equipment should be provided from the date of installation. The same will be released after three months of completion of the warranty period. The Bank Guarantee/Demand Draft shall be drawn in favor of the Finance Officer, M.D. University, Rohtak, payable at Rohtak. The Bank Guarantee/Demand Draft amount shall be forfeited if the firm fails to replace the damaged/defective/below standard material within the stipulated period. The University will not pay any interest on the security deposit.

32. The firm will mention the GST number of the university on the invoice.

TECHNICAL DOCUMENT

Sr. No.	Description	Bidders Response (Yes/No)	Remarks
1.	Copy of PAN Card		
2.	Copy of Income Tax Return for the last 3 years		
3.	Copy of GST Number of the firm		
4.	List of institutions where such machines have been supplied, along with a copy of at least 02 no. of purchase orders in the last 2 years		
5.	Satisfactory report regarding the supply of items from the institution (if any)		
6.	Copy of Average Annual Turnover (last 03 years)> 100 Lakhs		
7.	E mail ID and Contact details of the Authorized person of the firm / company		
8.	The bidder must submit an Affidavit on non-judicial stamp paper, which must be notarized by a notary public or executive magistrate to the effect that they have not been debarred/blacklisted by any School/Board/University/State Government / Central Government / PSU Department in India / Public or Private Institute / Organization as Annexed-I.		

Annexure-I

Undertaking (on non-judicial stamp paper)

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

Place
Date:

Signature of the Tenderer with full name
and Address with seal & stamp

Specifications	
Double Beam Atomic Absorption Spectrophotometer With 10 Auto Lamp Turret & Variable Slit Control, Automatic Gas Unit, Background Correction & Motorized Burner Movement- One	
1.	Key Features: (i) Fully automated 10 lamp turret with automatic lamp optimization, self-alignment and automatic peaking of the hollow cathode lamp energy for maximum light throughput to ensure optimum accuracy. (ii) Automatic hollow cathode lamp warm-up of next element to be analyzed. (iii) All reflective optics for greater light throughput. (iv) Automatic setting of wavelength over the range of 175 to 930 nm. (v) Focal length 330 mm, holographic grating 1800 lines/mm and linear reciprocal dispersion of 1.6 nm/mm. (vi) Continuously adjustable slit width from 0.1 to 2.0 nm with automatic setting. (vii) High performance photomultiplier tube (PMT) detector covers full wavelength range. (viii) Variable modulation to reduce noise by up to 45%. (ix) Coded lamp compatible. (x) Each lamp quadrant position is programmed in software to enable automatic lamp recognition. (xi) Advanced software operating on the latest Windows® platform. (xii) User-friendly software supporting CFR 21 Part 11 compliance. (xiii) Calibration with up to n number of standards using linear fit polynomial, linear least squares, standard additions standards, etc. (xiv) Guaranteed highest sensitivity (5 ppm Cu gives >0.900 Abs). (xv) PC connectivity port – USB. (xvi) Flame atomization system: Pre-mix design with solid inert PTFE polymer spray chamber, adjustable impact bead and titanium burner head construction. Burner can be moved in all three dimensions to obtain the best signal (burner slot beam path alignment). The air-acetylene burner is designed to reduce carbon build-up. Nebulizer has platinum-iridium capillary and inert venture for resistance to acid attack (corrosion resistant). (xvii) Programmable flame control with eleven safety interlocks along with stand-alone control module and status display. The system retains gas flow rates as per the last run method used and provides reproducible results with automatically set gas flows when changing methods. Interlocks monitor air, acetylene and nitrous oxide pressure, burner presence, burner type, liquid trap level, presence of nebulizer and pressure relief bung, oxidant flow, flame condition, vibration in flame auto changeover, safe extinguish and mains power. (xviii) All reflective optics for greater light throughput. (xix) Background correction accessory with deuterium (D2) working range of 185–425 nm. Ultra-fast pulse background correction for accurate monitoring of transient background signals up to 2.5 Abs. (xx) Motorized burner movement controlled by three stepper motors in X, Y and Z directions. (xxi) To operate AAS, Windows-loaded PC to be quoted separately. (xxii) Bidder has to provide demonstration during at any stage of purchase, if required. (xxiii) System should be upgradeable to graphite furnace and auto sampler in future. (xxiv) System Should Be Able To Analyze Multiple Elements Like Cu,Mn,Zn,Fe In Single Aspiration.
2.	AAS HCL SINGLE LAMP EACH ELEMENT: Chromium, Copper, Cadmium, Iron, Manganese, Nickel, Lead, Zinc, Aluminum, Magnesium.
3.	Air Moisture Removal/Purification Filter Cum Regulator For AAS.
4.	Exhaust Hood Vent Assembly (SS material) With Centrifugal Blower Suitable For AAS kit consists OF SS Hood, Flexible Pipe (2 nos.), Union, Centrifugal Blower, Wall Mount Fixing Clamp.
5.	Acetylene Filled Gas Cylinder For AAS High Purity Laboratory Grade Capacity 41 Liters -Explosive Safety Certified.
6.	Double Stage Gas Regulators For Acetylene Gas Cylinder
7.	Compatible Computer/ Desk Top Pc Workstation, Intel i5 Processor,16 GB DDR RAM 500 GB SSD, 21" TFT Monitor, Key Board, Mouse. Genuine Windows 10 Professional Loaded With Original AAS Spectrophotometer Software
8.	Oil Free Air Compressor 1100- 35 Liters - Automatic ON/OFF Switch. -Maximum Pressure 110psi - Complete With End Fitting - Dual Head Single Phase 1/2 HP Motor - 220V AC Operation
9.	Nitrous Oxide Filled Gas Cylinder For AAS - Capacity 47 Liters -Explosive Safety Certified
10.	N20 Nitrous Oxide Titanium Universal Burner For AAS 50 mm
11.	Double Stage Stainless Steel Nitrous Oxide Regulator with Heater
12.	AAS Standard Calibration Kit 1000 PPM 100 ML NIST traceable for each element Chromium, Copper, Cadmium, Iron, Manganese, Nickel, Lead, Zinc, Aluminium, Magnesium.
13.	STANDARD SUPPLY: C2H2 Air Burner Software CD, Dust Cover, User Manual, Drain Assembly, Extra Glass Bead, Extra Fuse, 3-3-3 MTS GAS HOSE.
14.	Warranty: One Year from date of installation
15.	CERTIFICATION- ISI, CE CERTIFICATE WITH REPORT,IQ,PQ,OP, NABL ACCREDITED