

Limited Tender Enquiry

For

Supply, Installation and Commissioning of
UV Laser Writing System and Accessories for
Photolithography (Equipment)

At

Department of Chemistry, Faculty of Science,
University of Allahabad, Prayagraj

NIT No. UoA/CHEM/AG/24/01

NIT Issue Date: 20.09.2024

Last Date of Submission: 11.10.2024 (05: 00 PM)



University of Allahabad, Prayagraj

www.allduniv.ac.in,

www.eprocure.gov.in

UNIVERSITY OF ALLAHABAD

Limited Tender Enquiry (LTE)

Subject:- LTE for supply, installation, and commissioning of UV Laser Writing System and Accessories for Photolithography at Department of Chemistry, Faculty of Science, University of Allahabad (UoA)

Dear Sir/Ma'am,

The University intends to purchase 'UV Laser Writing System and Accessories for Photolithography' with commissioning and installation at Department of Chemistry in **Faculty of Science, University of Allahabad**. Kindly send your QUOTATIONS giving lowest rate along with terms and conditions if any in Sealed Covered envelope addressed to **Purchase Officer, Purchase & Stores Department, University of Allahabad, Prayagraj, (UP), Pin-211002**. This must reach the office on or before **11.10.2024 till 5.00 PM**. The word "**Quotation for supply, installation and commissioning of UV Laser Writing System and Accessories for Photolithography at Department of Chemistry in Faculty of Science, UoA**" with our reference no. of LTE and date of LTE must be clearly mentioned on the sealed envelope.

GENERAL TERMS AND CONDITIONS FOR LIMITED TENDER ENQUIRY (LTE)

1. Mode of submission: Bid documents to be furnished by the bidder in 1 sealed envelope containing following 2 packets:
 - a. Technical bid (All documents other than price bid in sealed envelope).
 - b. Financial bid (Containing price bid in specified format in a sealed envelope)
2. While submitting the quotation following should invariably be mentioned:
 - a. Details of complete specification with model and manufacturer name and address should be given while quoting. Literature / Pamphlets should also be enclosed wherever applicable.
 - b. Lowest rate F.O.R. destination. Period of validity of quoted prices – (Minimum Six Months).
3. If you are manufacturer of the items or if you have proprietary distribution/sales authorization, please mention it in the quotation.
4. For items of equipment nature, the Instruction Manual, Diagram of the circuit drawing, etc must be supplied along with supply without which the delivery shall be incomplete.
5. Vendor must enclose an authorization certificate of the company with tender document.
6. Please fill in and return the Suppliers Profile Form & Mandate Form annexed at Annexure 'A' and Annexure 'B'.
7. Non Transferable tender:

Neither the contract nor any rights granted under the contract may be sold, leased, sublet, assigned or otherwise transferred, in whole or in part, by the vendor and any such attempts shall be void and of no effect without the advance written consent of the University of Allahabad.
8. The rates quoted by the bidders must be inclusive of supply, installation, commissioning, transportation, insurance, training/support and warranty, taxes and duties.
9. Rates must clearly indicate all taxes and the discounts offered, if any.
10. **An Earnest Money Deposit of Rs. 30,000/- (Rupees Thirty Thousand only) in the form of Demand Draft /Bankers Cheque or Bank Gurantee drawn in favor of Finance Officer, University of Allahabad payable at Prayagraj** shall be submitted along with the Technical bid. Agency/Firm/Company registered with NSIC/MSME will be given benefit as per rules.

Note 1: EMD will not accrue any interest.
Note 2: The EMD shall be returned to the unsuccessful bidders after the Notification of Award of Tender.
Note 3: The bids not accompanied with earnest money shall be summarily rejected.
Note 4: The EMD amount of the successful bidder will be returned after the completion of the warranty period.



11. The tenderer should also mention the validity period of quotation.
12. No advance payment or payment against performa invoice will be made to the successful bidder.
13. All the pages of the bid document being submitted must be signed and sequentially numbered by the bidder. Unsolicited / conditional / unsigned tenders shall not be considered.
14. IT, TT and GST would be recovered as per rules.
15. **Special Terms & Conditions are also attached.**
16. All the above instructions along with STC must be complied, failing which your offer may be liable for rejection.
17. All suits shall be in the courts of **Allahabad Jurisdiction** only.
18. Terms & conditions of purchase as per University rules shall be applicable.
19. Tender should be addressed to the "**Purchase Officer, Purchase & Stores Department, University of Allahabad, Prayagraj- 211002 (U.P.)**". Quotations will be received through **Speed Post/Register Post/Courier Post** in Purchase & Stores Department, UoA. **Quotations received other than Purchase Office and after the due date and time shall not be considered.**
20. If required number of quotations will not be received by the last date of the LTE, the date may be extended as per rule.

SPECIAL TERMS & CONDITIONS (STC)

1. Bidder must quote as per technical specification.
2. Supply and installation shall be completed in 30 days of receipt of purchase order at the University Campus. The offered delivery period shall have to be strictly adhered to in case an order is placed.
3. **Schedule for completion of task** after issue of Purchase order will be as follows which has to be strictly adhered by the successful bidder:
 - a. Supply and installation of UV Laser Writing System and Accessories for Photolithography 30 days
 - b. Testing and acceptance of the UV Laser Writing System and Accessories for Photolithography – 15 days
4. **Inspection and Acceptance:**
 - a. System will be considered as installed and accepted only after successful uninterrupted operation of the entire system at the site for period of minimum 15 days.
 - b. Payment will be made only after Installation, inspection and testing.
5. Operational services will be provided free of cost up to warranty period. Charges after warranty period may be quoted.
6. Tender conditions, if any, or otherwise sent with the quotation shall not be binding on us.
7. The acceptance of the quotation will rest with the competent authority of Allahabad University, who does not bind himself to accept the lowest quotation and reserves the right to himself to reject, or partially accept any or all the quotation without assigning any reasons.
8. **Liquidated damages** rate for delay in delivery is 0.5% per week & max. 10% of the total amount.
9. **Scope of supply** (bid price includes all cost components):
 - a. Supply, installation, testing and commissioning of goods with 1 year standard warranty at University of Allahabad, Prayagraj.
 - b. Warranty for a period of one years for the entire system which includes rectification/replacement of defective components and preventive maintenance like checking of software functioning, critical components of the equipment, etc are covered under the scope of vendor.
 - c. Any application software as required for completion of the project is covered under the scope of vendor.



- d. For Software which is used in the system for a period of not less than 1 year must have genuine license key and software backup system, to restore the data for a period not less than one year, if the system crashes due to any reason.
10. Equipment supplied shall be warranted against any manufacturing defects, poor workmanship, defective material, and quality design. Their performance shall also be warranted. The warranty period shall be 1 years from the date of commission. If any equipment is found defective regarding design construction or performance, the same shall be replaced free of cost. The to and fro freight charges shall be borne by the vendor during the warranty period.
 11. The vendor should also supply or demonstration/training if required regarding the operational procedure of the system.
 12. Tenderer must have experience of selling UV Laser Writing System and Accessories for Photolithography with installation in last 3 years in any PSU/ Central/ State / Central or State Funded organization. (Proof of experience must be enclosed with the quotation).
 13. **Purchase preference** shall be given to local suppliers in all procurements undertaken by procuring entities in the manner specified hereunder.
“In the procurement of goods in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible.



Indenter

E-mail: anupamgiri@allduniv.ac.in

Technical Bid

Technical specifications mentioned below are minimum. Any better specification will also be accepted.

Sr. No.	Item Name	Specification	Compliance (Yes/ No)	Deviation (if any)
01	UV Laser Writing System and Accessories for Photolithography	<p>1. Magnetic SS micromanipulator platen, supporting stands, base plate, manual XYZ stage for microscope = 1 set Platen = Magnetic SS Platen supporting stand = Height adjustable. Base plate = Black anodized aluminium</p> <p>Microscope XYZ stage XYZ travel = 100mm x 100mm x 100mm Guide way = Precision ball slide Drive = Precision lead screw Lead screw= 1mm pitch Lead screw type = Ground Positioning accuracy = 10um Construction = Black anodized aluminium</p> <p>2. XYZ Manual sample holder with Vacuum chuck= 1 set Top plate diameter = 100mm X axis = 25mm travel Y axis = 10mm travel Z axis = 10mm travel XYZ resolution = 10 microns</p> <p>3. Manual micromanipulator = 2 Nos. Axes = 4 (XYZ and Tilt) X travel = 25mm Y travel = 25mm Z travel = 10mm Tilt = +/- 3 degree Probe holding mechanism with BNC output 45-degree non-metal probe holder 90-degree non-metal probe holder Magnetic base</p> <p>4. Trinocular microscope and its support stand = 1 set Optical system = Infinity corrected Observation Method = Brightfield Illumination = Reflected (Co-axial and Angled) Illumination system = High bright white LEDs Nosepiece = revolving, quadruple with positive precision click stops Viewing head = Siedentopf Trinocular head, 30 degree, 48-75mm IP adjustment Eyepiece= 10X Wide field eyepiece, FN = 20mm, diopre adjustable. Focusing = Manual</p>		



	<p>Microscope Objective = Long Working Distance Plan Apochromatic Magnification = 5X Numerical Aperture = 0.14 Working distance = 40mm FOV eyepiece = 4mm FOV camera = 1.14 x 0.856mm</p> <p>Camera specifications:- Optical format = 1/2.5" CMOS Active imager size = 5.70mm x 4.28mm, 7.13mm diagonal Active pixels = 2592 x 1944 (5Mp) Pixel size = 2.2 x 2.2 um Color filter array = RGB Bayer pattern Shutter type = Electronic rolling shutter (ERS) Frame rate = Full resolution –up to 7fps, VGA – up to 26.7 fps ADC resolution = 12- bit, on-chip Pixel dynamic range = 70.1 dB Operating temperature = -30oC to +70oC Sensitivity = 1.76V/lux-sec (550nm) Power consumption = 381mW at 7 fps full resolution Interface = USB2.0</p> <p>5. Laser attachment on microscope Wavelength = 405nm Output power = 100mW at output port of the laser Intensity = Fixed. Selection mechanism for switching Brightfield observation and laser writing. Laser spot diameter at the sample = ~10-15 micron with 50X objective (depends on the objective magnification).</p>		
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Signature with Seal



Financial Bid as per technical specification with 1 year of warranty

Sr. No.	Item Name	Qty	Rate per Unit	Tax Percentage (%)	Total Cost (inclusive of taxes)
01	UV Laser Writing System and Accessories for Photolithography as per technical bid	01			

Signature with Seal



UNIVERSITY OF ALLAHABAD

(A Central University)

Supplier Profile Form

1. Firm's Name : _____ *
2. GST No. : _____
3. Owner's Name : _____
4. Aadhar No. of Owner : _____
5. Full Postal Address : 1. (Head Office) _____
 _____ PIN _____
 2. (Local Office) _____
 _____ PIN _____
6. E-mail address : _____
7. Website address : _____
7. Contact Person's Name: _____
8. Contact No. : Phone No. _____ Mobile No _____
 : E-mail: _____
 : City: _____ State: _____
9. PAN NO. : _____
10. Shop and Establishment Act Registration No : _____
11. Manufacturer or Supplier : _____
 (In case of supplier please enclose authorization of your Principal)
12. EMD Details:
 a. Amount (in Rs.) -: _____
 b. DD/BG no. and Date -: _____
 c. Drawn on Bank -: _____
 d. Valid up to (date)-: _____
13. Work Experience of past 3 years in PSU/Central/State/ Central or State Funded organization

S.N.	Year of work	Name of the organization	Tender Amount (in Rs.)	Experience Certificate Attached (document no.)
	2022			
	2021			
	2020			

Note: (i) Supplier must print GST No. on their Letter Head / Bill / Quotations

(ii) Enclose Xerox copy of the required documents (GST, PAN, work experience, etc)

Signature with Seal

Mandate Form for Payment-2019**Public Fund Management System(PFMS) Facility for receiving Payments****Details of Account Holder/Firm:**

1.	Firm/Contractor/Agency	
2.	Name of Account Holder	
3.	Complete Contact Address	
4.	Telephone Number	
5.	E-mail	

Bank Accounts Details:

1.	Name of the Bank viz. SBI/PNB	
2.	Branch Name with Complete Address	
3.	Telephone Number and E-mail of Bank Branch	
4.	Whether the Branch is computerized?	
5.	Whether the Branch is RTGS enabled? If yes, then what is the Branch's IFSC Code?	
6.	Is the Branch also NEFT enabled	
7.	Type of Bank Account (SB/Current/Cash Credit)	
8.	MICR Code of Bank	
9.	Complete Bank Account Number	
10.	Repeat Bank Account Number	

Date:

Signature of Customer

I hereby certify that all the details mentioned above are true to my knowledge and belief.

Bank Stamp

Signature of Branch Manager

Name

Mobile No

E-mail

