Advertised Tender Enquiry
for
Inverted Fluorescent Research Microscope
at
Department of Botany, AMU, Aligarh

NIT Issue Date : 15.07.2019
NIT No. : AMU/Bot/UGC-SAP-DRS-II/Microscope/2019-20

Last Date of Submission : 05.08.2019 at 12:00 Noon
Bid opening : 06.08.2019 at 12:00 Noon

Tender documents may be downloaded from university website www.amu.ac.in and www.eprocure.gov.in
The Department of Botany, AMU, Aligarh invites bid (Technical and Financial) from reputed, experienced and financially sound Companies/Firms/Agencies for the supply & installation of the **Inverted Fluorescent Research Microscope** to the Department of Botany, AMU, Aligarh. Those who are in the similar business for the last five years and providing the same service to Central/State Govt/Reputed Private or Autonomous Bodies may send their bids both Technical & Commercial in sealed envelopes.

The Interested Companies/Firms/Agencies may send their bid complete in all respect along with Earnest Money Deposit (EMD) as mentioned below in the form of Demand Draft/Bank Guarantee issued in favour of Finance Officer, AMU, Aligarh, drawn on any scheduled bank payable at AMU, Aligarh and other requisite documents to the Chairperson, Department of Botany, AMU, Aligarh, U.P through registered/speed post. The bids in sealed cover-I containing “Technical Bid” and sealed cover-II containing “Financial Bids” should be placed in the third sealed cover super scribed “Tender for Inverted Fluorescent Research Microscope” separately mentioning Tender No. AMU/Bot/UGC-SAP-DRS-II/Microscope/2019-20 on or before 12:00 Noon on 05.08.2019. The bids received after this deadline shall not be entertained under any circumstances whatsoever. In case of postal delay this institute will not be responsible. The offers submitted by Telegram/Fax/email shall not be considered and no correspondence will be entertained in this matter. The EMD, in case of unsuccessful bidders shall be retained by Department of Botany, AMU, Aligarh till the finalization of the tender. No interest will be paid on the EMD.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Item Description</th>
<th>Qty</th>
<th>EMD (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td><strong>Inverted Fluorescent Research Microscope</strong></td>
<td>01 No.</td>
<td>Rs. 20000/-</td>
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</table>

The following documents are to be furnished by the supplier along with Technical Bid as per the tender document:

i) Signed and scanned copy of valid registration certificate, experience certificate as per the tender notice. PAN, GST registration certificate and Tender Acceptance Letter.

ii) Signed and scanned copy of documents like (Earnest Money Deposit)

iii) Signed and scanned copy of Make and Model with HSN code of all systems, sub system send additional items should be mentioned in the technical bid and complete technical details should be provided in the form of Brochures and write-ups.

Bids will be opened on 06.08.2019 at 12:00 Noon in the presence of bidders or their authorized representatives who wish to participate in the bidding process. If the opening date happens to be a closed day/holiday the tender will be opened on the next working days.

Any future clarifications and / or corrigendum(s) shall be communicated by the Chairperson, Department of Botany through the website [www.amu.ac.in](http://www.amu.ac.in)

Chairperson, Department of Botany, AMU, Aligarh reserves the right to amend or withdraw any of the terms and conditions contained in the Tender Document or to reject any or all tenders without giving any notice or assigning any reason. The decision of the Chairperson, Department of Botany, AMU, Aligarh in this regard shall be final.
<table>
<thead>
<tr>
<th>Features</th>
<th>Description of Specification for Fluorescent Inverted Research Microscope for FRET Application.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microscope stand</td>
<td>Large and Stable with provision to attach camera and manual focus drive incl. focus stop, Z-drive focus</td>
</tr>
<tr>
<td>Observation Tube</td>
<td>Binocular tube with two eyepieces of 25mm FOV minimum.</td>
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<tr>
<td>Transmitted light</td>
<td>Coded Transmitted light continuously variable luminance Adjustment of brightness, with Field Diaphragms. Transmitted light with 3300K -4500K (preferable white light); with inbuilt fast shutter of min 10ms, preferably LED for long life (approx 40000 hrs or more).</td>
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<tr>
<td>Contrasting Methods</td>
<td>Microscope should be equipped for Bright field, Phase Contrast, DIC &amp; Fluorescence.</td>
</tr>
<tr>
<td>XY Stage</td>
<td>Manual XY stage with universal sample holder for glass slides, petri-dish.</td>
</tr>
<tr>
<td>Objective nosepiece</td>
<td>Encoded 6 position nose piece for easy operation. Features must be high-grade smooth operation and with positive click stops.</td>
</tr>
<tr>
<td>Condenser</td>
<td>Encoded Condenser with min. Working Distance of 23mm and should have at least 7 positions for Phase and DIC rings.</td>
</tr>
<tr>
<td>DIC Attachment</td>
<td>Should have detachable Polarizer, Analyser Slider and 2 or more position DIC nosepiece turret / slider. Along with all the necessary DIC prisms for 60x / 63x.</td>
</tr>
<tr>
<td>Fluorescence</td>
<td>Motorized Fluorescence Filter turret with 6 or more positions. Adjustable aperture and field diaphragms; Should have body inbuilt 4 / 5 position light intensity filter wheel / slider. Along with 120w / 130w Fibber guided light source with Mercury / Metal Halide. Should have inbuilt fast shutter along with necessary pixel shift corrected filter cubes for DAPI, FRET CFP, YFP, Rhodamine.</td>
</tr>
<tr>
<td>FRET Attachment</td>
<td>Microscope should be provided with Fast filter wheel with min. 5 positions for both Excitation path and Emission path individually. Min. speed between filters should be 30ms.</td>
</tr>
<tr>
<td>Objectives</td>
<td>Plan objectives 10x/0.25 NA PH, 20x/ 0.30 NA PH, 40x / 0.8 PH &amp; 60x or 63x / 1.3 Oil. All objectives with better NA are preferred.</td>
</tr>
<tr>
<td>CCD Camera</td>
<td>Digital high-sensitivity dual mode Cooled CCD camera (both monochrome &amp; colour). Minimum 2.5MP Resolution. With a square pixel size of 4.54μm or better. Minimum of 40fps speed at full resolution. Camera CCD Chip should be with 70% or higher Quantum Efficiency. Camera should have Tigger function. Along with necessary 0.6x ~ 0.7x C-mount adapter.</td>
</tr>
<tr>
<td>Perfusion Attachment</td>
<td>Onstage perfusion chamber</td>
</tr>
<tr>
<td>Software</td>
<td>Software to control all the motorized components of Microscope, Light source/s, Fast filter wheel and above camera/s for acquisition of images in Multi-Channel Mode with Image Overlay. Should have the module to provide live FRET analysis with export feature.</td>
</tr>
<tr>
<td>Computer System</td>
<td>A branded computer system with Intel i5, 8GB RAM 500 GB HDD, 24&quot; LED / TFT Monitor along with Keyboard and mouse.</td>
</tr>
<tr>
<td>Others</td>
<td>Microscope, Light source, Fast filter wheel, Camera, XY stage and Control / Analysis software should be from same Manufacturer.</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 years</td>
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Terms & Conditions:
1. The quoted rates must be valid for a period for 180 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, he same will be treated as unresponsive and it may be rejected. In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required without changing any terms, conditions etc of their original tender.
2. No overwriting or cutting is permitted in the rates. If found, quotation shall be summarily rejected.
3. The Equipment/System should be USFDA/CE European approved product.
4. The goods ordered shall be delivered and installed at the Department of Botany, AMU, Aligarh within 60 days from the date of issue of supply order.
5. All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. If the supplier fails to deliver, install and commission the goods on or before the stipulated date, then a penalty at the rate of 0.5% per week of the total order value shall believed subject to maximum of 10% of the total order value. The successful tenderer will also provide required training for supplied item sat the Department of Botany, AMU, Aligarh, AMU, Aligarh. The goods should be manufactured after adoption of latest technology.
6. In the case of package supply where the delayed portion of supply materially hampers installation and commissioning of the systems, liquidated damages charge shall be levied as above on the total value of the concerned packages of the purchase order. Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.
7. The supplier shall be required to perform the following services:-
   a) Installation & Commissioning, Supervision and Demonstration of the goods.
   b) Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
   c) On Site Training to Doctors/Technicians/Staff is to be provided by supplier for operation and maintenance of the equipment for a period of 30 working days after successful installation of the machine as per direction of user department.
   d) Supplying required number of operation & Maintenance for the goods.
   e) To provide non-locked open software and standard interface interoperability conditions for Networked equipments in hospital management information system, wherever applicable.
8. The separate price list of all accessories and consumables, if any, must be attached enclosed along with the Financial Bid.
9. After sale services should be available on 24 (hrs) X 7 (Days) X 365 (Days) basic Complaints should be attended properly, maximum within 24 hrs to ensure an uptime of minimum 95% wherever applicable, failing which the necessary penalty measures shall be enforced.
10. The Department of Botany, AMU, Aligarh shall have the right to inspect and/or to test the goods to confirm their conformity to the NIT Specifications at no extra cost top the Purchaser. The Chairperson, Department of Botany, AMU, Aligarh shall be the final authority to reject full or any part of the supply which is not confirming to the specification and others items and conditions. No payment shall be made for rejected Stores. Rejected items must be removed by the Bidders within two weeks of the date of rejection at their own cost and replaced immediately. In case these are not removed the same will be auctioned at the risk and responsibility of the suppliers without any further notice.
11. The bidder shall provide a list of major Government and Private Institutions where its relevant bid item has been supplied during last two years.
12. The bidder (if not original equipment manufacturer) must submit Original Equipment Manufacturer authorization certificate that the renderer is authorized for selling and maintain the equipment quoted for.
13. The bidders are required to submit user certificate for the relevant equipment on the letter head of the institution (Government/Private).
14. The successful bidder will be required to submit order copies of the supply of the equipment in Government Institutions in last 24 months for rate reasonability purpose.
15. The supplier shall make arrangements for ensuring the goods against loss or damage incidental of manufacture or acquisition, transportation, storage and delivery. If the equipment is not commissioned and handed over to Department of Botany, AMU, Aligarh within specified period the insurance will have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handling over of the goods to the Department of Botany, AMU, Aligarh.
16. The bidder supplying equipment/goods or already imported goods shall quote the price only in Indian Rupees. Further, imported goods to be imported and supplied by the bidder are also required to be quoted in F.O.R.AMU, Aligarh.
17. Please mention CGST/SGST or other taxes clearly & separately which will be payable on the goods in India.
18. The price of Annual CMC Financial Bid after warranty period must be mentioned clearly.
19. 100% payment of the total order value shall be released only after the successful installation/Commissioning of the ordered goods equipments against the submission of the inspection report. No advance payment is possible.
20. The Tenderers must quote for 03 years comprehensive warranty including all spares, Accessories and Labour from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately. Also the bidders are requested to submit their quote (Rates) for subsequent 03 years Comprehensive Maintenance Contract (CMC)(Including All Spares Accessories and Labour). Warranty must be clearly defined to the points, about what will be covered during 03 years of Warranty.
21. During the comprehensive warranty period, the guarantee up time of 95% of 365 days will be ensured. In case the down time exceeds the 5% limit penalty of extension of guaranty period by two days for each additional days of down time will been forced. The vendor must undertake to supply all spares for optimal up keep of the equipment for at least FIVE YEARS after handing over the unit to the institute. If accessories/other attachment of the system are procured from the third party, then the vendor must produce cost of accessory other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the Institute if required.
22. The principal or their authorized service providers are required to submit a certificate that they have satisfactory service arrangement sand fully trained staff available to support the uptime guarantee.
23. Arbitration: If any difference arises concerning this agreement, its interpretation on payment to the made there under, the same shall be settled out by mutual consultation and negotiation. If attempts for conciliation don't yield any result within a period of 30 days, either of the parties may make a request to the other party for submission of the dispute for decision of the sole arbitrator i.e. Vice-Chancellor, AMU, Aligarh or his nominee. The decision of the sole arbitrator shall be binding on parties. The venue of arbitrator will be at Aligarh.
24. Subletting of Work: The firm shall not assign or sublet the work/job or any part of it to any other person or party without having first obtained permission in writing of Department of
Botany, AMU, Aligarh, which will be at liberty to refuse if thinks fit. The tender is not transferable. Only one tender shall be submitted by one tenderer.

25. Breach of Terms and Conditions: In case of breach of any terms and conditions as mentioned above the Competent Authority will have the right to cancel the Purchase order/work order/job without assigning any reason thereof and nothing will be payable by Department of Botany, AMU, Aligarh, in that event the security deposit shall also stands forfeited.

26. In solvency etc: In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up whether voluntary or otherwise or in the event of the firm failing to comply with any of the conditions here in specified, the Chairperson, Department of Botany, AMU, Aligarh shall have the power to terminate the contract without any prior notice.

27. Bidder shall submit a copy of the tender document and agenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.

28. The quantity of item given in the tender is tentative, which may be increased or decreased as per the Requirement of the Department.

29. Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.

30. Conditional bid will be treated as unresponsive and it may be rejected.

31. Demonstration: The Department of Botany, AMU, Aligarh reserves the right to ask the tenderer for arranging demonstration of their equipment for which rates have been quoted to the concerned committee, if required.

32. The Department reserves the right to accept in part or in full or reject any or more tenderer without assigning any reasons or cancel the tendering process and reject all tender (s) at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).

33. Applicable Law:
   i) The contract shall be governed by the laws and procedures established by Govt. Of India within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings/processing.
   ii) Any disputes are subject to exclusive jurisdiction of Competent Court and forum in Aligarh Uttar Pradesh, India only.
   iii) The Arbitration shall be held in accordance with the provision of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Aligarh. The decision of the Arbitration shall be final and binding on both the parties.

(CHAIRPERSON) 15.7.2019
Department of Botany
AMU, Aligarh

Chairperson
Department Of Botany
AMU, Aligarh
<table>
<thead>
<tr>
<th><strong>Name of Firm/Contractor/Supplier</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>Complete Address &amp; Telephone No.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Name of Proprietor/Partner/Managing Director/Director.</strong></td>
<td></td>
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<tr>
<td><strong>Phone No:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Mobile No:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Email ID:</strong></td>
<td></td>
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<tr>
<td><strong>Name and address of service centre nearby J.N. Medical College Hospital, AMU, Aligarh</strong></td>
<td></td>
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<tr>
<td><strong>Whether the firm is a registered firm Yes/No (attached copy of certificate).</strong></td>
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<tr>
<td><strong>PAN No. (enclose the attested copy of PAN Card).</strong></td>
<td></td>
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<tr>
<td><strong>Service Tax No. (enclose the attested copy of Service Tax Certificate)</strong></td>
<td></td>
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<tr>
<td><strong>GST No. (enclose the attested copy of CGST/SGST Certificate).</strong></td>
<td></td>
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<tr>
<td><strong>Whether the firm has enclosed the Bank Draft/Pay Order/Banker’s cheque of Earnest Money Deposit.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Whether the Firm/Agency has signed each and Every page of Tender/NIT.</strong></td>
<td></td>
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<tr>
<td><strong>Please provide full list of consumables.</strong></td>
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<tr>
<td><strong>Any other information, if necessary.</strong></td>
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**Annexure-1**

**TECHNICAL BID**

Authorized signatory of the bidder with seal
Annexure -II
MANUFACTURER’S / PRINCIPAL’S AUTHORIZATION FORM

To,
The Chairperson
Department of Botany
AMU, Aligarh.

Sir,

TENDER: .................................................................................................................................

We......................................................................................................................................... who are
Established and reputable manufacturer of ...............................................................................having
Factories at ...............................................................................................................................hereby
Authorize M/s .........................................................................................................................(name and address of agents)
to bid, negotiate and conclude the contract with you against Tender.

No ....................................................................................................................................... for the above goods manufactured by
us. No Company or firms or individual other than M/s ........................................................................... are
authorized to bid, negotiate and conclude the contract in regard to this business against this
specific tender.

We hereby extend our full guarantee and warranty as per the conditions of tender for the goods
Offered for supply against this tender by the above firm

The authorization is valid up to........................................................................................................

Yours faithfully

(Name)

For and Behalf of M/s............................................
(Name of manufacturers)/Principal