

**SOPHISTICATED ANALYTICAL INSTRUMENTATION FACILITY  
(SAIF)**

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**TENDER DOCUMENT FOR THE PURCHASE OF  
ULTRAMICROTOME WITH KNIFE MAKER**

Last Date for Receipt of Tender: **10 October, 2016 4:00 PM**

DATE & TIME OF OPENING: **To be notified later**

**PRICE Rs. 500/-**

## SECTION – I

### PROCEDURE FOR SUBMISSION OF BIDS

1. There will be **Two bid system** for this Tender: *Techno-Commercial bid* and *Financial bid*
2. The Techno-Commercial Bid of the Tender should be covered in one sealed cover super scribing the words “Techno-Commercial Bid”.

Likewise, the Financial Bid should also be covered in a **separate** sealed cover super scribing the words “Financial Bid”.

**The two documents viz., Techno-Commercial bid and Financial bid covers prepared as above should be enclosed in a single sealed cover marked as under:**

Tender for the supply of ULTRAMICROTOME  
Due on ..... (last date for submission).  
Name & Address of the Tenderer.....

**Note: Price should not be indicated in the Techno-Commercial bid otherwise the Tender will be rejected**

3. Tenders received after the due date will not be accepted. If the last date for submission of Tender falls on any declared holiday in the University, the next working day will be considered as the last date for the same.
4. The bids prepared by the Tenderer and all correspondence and documents relating to the bids, shall be written in English language
5. The contract for the supply of the items is non-transferable.
6. Tender/Offer should be type written, other wise the same will be rejected
7. Each page of the tender document should be signed by the authorized signatory.
8. Each offer should be complete in all respects.
9. Telegraphic/electronic/conditional offers will not be accepted.

## SECTION – II

### TERMS AND CONDITIONS

1. **Opening of bids:** Techno-Commercial bids will be opened by the Committee after the closing date and studied. The Tenderers will be invited for presentation and clarifications if needed. Financial bids of the Tenderers complying with the prescribed Techno-commercial specifications will be opened by the Committee. Tenderers or their authorized agents may be present if they so desire during opening of the Tenders.
2. **Rejection of bids:** The Committee reserves the right to reject any or all offers without assigning any reason.
3. **EMD:** The Tender bid should accompany an EMD of minimum 2% of total value. The EMD should be made by means of an A/c payee DD in favour of the *Director SAIF, Panjab University, Chandigarh-160014* payable at Chandigarh. No interest is payable on EMD.
4. **Refund of EMD:** The EMD will be returned to unsuccessful Tenderer only after the Tenders are finalized. In case of successful Tenderer, it will be retained till the successful and complete installation of the equipment.
5. **CIF value and comparison of Financial bids:** CIF value upto SAIF, Panjab University, Chandigarh (*shipment by air upto Delhi and insured up to the installation site*) should be quoted. and will be considered for comparison of bids. Bids quoted in foreign currency will be converted into Indian Currency at the exchange rate applicable on the day of opening of the financial bids for comparison purposes.
6. **Warranty Period:** The warranty period should be *minimum 5 years (with spares)* from the date of installation with satisfactory performance as per specifications.
7. **PBG:** Tenderer selected for supply of equipment, will have to provide Performance Bank Guarantee (PBG) on any *scheduled bank situated in India, equivalent to 10 percent of the cost of the equipment* which should be valid until the expiry of the Warranty period. The PBG will be provided by the Company along with the letter of acceptance of the order by the Principals. LC will be opened in favour of the Principals only after obtaining the PBG.
8. **Terms of Payment:** LC will be opened for the 100% value of the equipment, 90% of the amount will be released after the shipment and remaining 10% after the installation of the equipment.
9. **Delivery period :** Delivery should be made within *120 days* of opening of the LC

10. **Delayed delivery:** If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty as under::
- i First extension for one month or part thereof @ 2%.
  - ii Second extension for an additional month or part thereof @ 3%
11. **Non delivery beyond extended period:** If the Tenderer fails to execute the order within the second extension mentioned above or mutually agreed time frame, the order will be cancelled and EMD forfeited by the Dept. He will also be liable for all damages imposed by SAIF for non supply of equipment including the liability to pay the difference between the price accepted by him and those ultimately paid by the SAIF for the equipment, Such damages will be assessed by the Committee for the purchase of Ultramicrotime.
12. Increased statutory levies and duties above the rate quoted in the offer will not be an excuse for the Tenderer to delay the supply beyond the date specified in the Tender.
13. **Validity of rates:** Rates quoted should be valid for at least *4 months* from the closing date of the tenders.
14. **Consistent pricing:** The rates quoted for the Equipments by the supplier shall in no case exceed the lowest price at which the supplier of this Equipments of identical description made to any other person/organization/Institution during the above said period and should attach an undertaking in this regard
15. **Installation requirements:** The Supplier will clearly mention installation requirements on our part in the *Techno-Commercial bid*.
16. **Installation time:** The company must install the equipment *within a period of two months* of the date of delivery of the equipment at SAIF. Chandigarh.
17. **Free Installation:** The equipment and software should be installed and tested to the specifications *free of cost*.
18. **Supporting Equipment:** The Tenderer will provide all requisite supporting equipments like isolation transformer, step down transformer, vibration free platform *if needed*. We need the complete installed system.
19. **Licensed Software and its upgradation:** *Two user licences* for analysis software ( if any) should be provided. The certified/licensed software and programs should be the part of the supplies. There should be *free up gradation of software upto 5 years*
20. **Factory Acceptance Data:** Proposed acceptance criteria for the equipment should be provided by the supplier. in order to compare the performance against the quoted specifications. *Manufacturer's test certificate along with test conditions and results* is to be supplied along with the equipment.

21. Tenderers are advised to study all technical aspects and terms & Conditions, of the Tender documents. Submission of Tender shall be deemed to have been done after careful study and examination of the Tender Document with understanding of its implications.
22. **Only Manufacturers or Authorized dealers to bid:** The offering firm should clearly mention whether they are the manufacturer or authorized agent/dealer of the manufacturer. In case of agent for overseas manufacturer, a letter of authorization from the manufacturer should be submitted along with the offer. The Tenderer can also enclose the rates on the letterhead of the manufacturer if he has been authorized to do so by the manufacturer.
23. **Descriptive literature:** A set of specifications, description and illustrated literature of the equipment and related peripherals *should accompany the Techno-Commercial bid.*
24. **User and Service Manuals:** A set of User's manuals and Service manuals of the main instrument, attachments and related equipment should be supplied with the equipment
25. **Equipment must be new:** The Tenderer must ensure that the equipment being offered is a new one and not refurbished or repaired one.
26. **Defective Equipment:** If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, unmerchantable or not in accordance with the description /specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment has already been made to him.
27. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges.
28. **Damage during transit:** In case of any mishappening/damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. The SAIF will not be liable to any type of losses in any form.
29. **Legal jurisdiction:** Any dispute in this regard of any term of the offer and on the supply of equipment is subject to *Chandigarh jurisdiction* only.
30. **Training** Two weeks training should be provided free of charge at the premises of SAIF out of which one week should be on equipment usage & software and one week in maintenance.

31. **Availability of Spares:** The Tenderer must assure the availability of spares for servicing of equipment *for at least 10 years*. Supplier should give an undertaking that spares parts will be supplied within the specified periods as and when ordered.
32. **SAIF Infrastructure:** SAIF will provide required air conditioned space, *single phase power supply* with required electricity outlets.
33. **Clearance:** The Principals will do all types of clearance work to deliver the equipment at the site of installation. Department will provide all types of documentary support including Customs Duty Clearance. Principals will themselves have to procure any requisite permission from the Govt. of country of origin of equipment.
34. **Agency Commission:** Agency commission, if any, should be clearly mentioned by the Principals in the form of a certificate and will be paid in Indian Currency.
35. **Bank Charges:** Bank charges in India will be borne by the Panjab University and Bank charges abroad will be borne by the suppliers.
36. **Similar Models installed:** The Tenderer must mention in the *Techno-Commercial bid* the similar model of equipment installed in India *during the last two years* and the *addresses of contact persons at these places*.
37. **Application Specialist:** The Tenderer should mention in the *Techno-Commercial bid* the availability and *names of Application Specialist and Service Engineers* in the nearest regional office.
38. **Response Time:** The Tenderer should mention in the *Techno-Commercial bid* the response time for attending to a complaint about the equipment.
39. **Change of Indian Representatives:** The original manufacturer/Principals should give an undertaking that the aforementioned warranty and availability of spares clauses will be valid even in the case of change of their representatives in India.

### **Technical Specifications Ultra microtome with knife maker**

Ultramicrotome with up gradation to cryo accessory with following specifications is required

- 1) Cutting transmission with vibration decoupled gravity stroke
- 2) Cutting window setting 0.2 to 14mm or better
- 3) Return speeds 10, 30 and 50mm/sec selectable
- 4) Specimen advance indicator 10 segments 20µm each
- 5) Illumination should be independently controllable
- 6) LED back light brightness controllable minimum 3400 lx (at knife edge area)
- 7) LED spot illumination (on/off) minimum 8500lx (at the knife edge area)
- 8) LED top light brightness controllable 8000 lx (at the knife edge area)
- 9) LED specimen trans-illumination brightness controllable 200 lx
- 10) User friendly upgradable software
- 11) Built in Intensity control for Ioniser
- 12) Stereomicroscope (6.3x to 40x) with the S6E stereo microscope.
- 13) Built in Anti vibration system should be provided
- 14) 4 x LED illuminations system for top light, spot light, back light and specimen trans Illumination
- 15) Fully motorized knife stage for N-S and E-W movement (25mm E-W, 10mm N-S)
- 16) N-S step movement (from 0.1 to 15µm steps)
- 17) Touch screen controlling the Ultra microtome
- 18) Display of Countdown, E-W measurement & knife usage monitoring
- 19) At least five Memories for speed and feed settings
- 20) Cutting speed setting from 0.05 to 100mm/s
- 21) Section thickness setting 1nm – 15 µm
- 22) Knife block 360° rotatable with illumination
- 23) E-W measurement for exact block face trimming with auto trim function and rocking mode trim function.

### **Glass Knife maker for Ultramicrotome**

- 1) Should be 100% balanced break method with high reproducibility
- 2) Variable scoring lengths
- 3) Accurate glass strip positioning
- 4) Drawer system for safe knife removal
- 5) Auto reset of breaking and scoring mechanism
- 6) Push action score for even scoring and adjustable scoring pressure

- 8) Should include complete accessory kit containing -
- a. Diamond Kinife
  - b. Knifebox for 6.4 and 8 mm glass knives 4 pcs
  - c. Gridbox for 100 grids, 10 pcs.
  - d. Dental wax. flat specimen holder,
  - e. Specimen pin holder,
  - f. Specimen pins.
  - g. EM loop holder
  - h. Glass strips 6.4 mm, 50 pcs.
  - i. Glass strips 8.0 mm,50 pcs.
  - j. Trufs for 6.4 mm glass, 500 pcs.
  - k. Trufs for 8.0 mm glass, 500 pcs.
  - l. Embedding mould for 5.6 mm dia. (50 trays).
  - m. Embedding mould for 8.0 mm dia. (50 trays).
  - n. Forceps, straight tips. 2pcs
  - o. Copper grids 100 mesh, 100 pcs.
  - p. Copper grids 200 mesh, 100 pcs.
  - q. Copper grids 300 mesh, 100 pcs.
  - r. Copper grids 400 mesh, 100 pcs.

**Optional:**

Please quote optionally a suitable UPS with one hour backup. The capacity and make of UPS is to be specified clearly with major specifications.