

**Global Tender Notification for the procurement of “Histopathology Microtome & Tissue Embedding Station” at the Indian Institute of Science, Bangalore  
(TENDER FROM FOREIGN & INDIAN VENDORS)**

Date: 06/02/2023

**Last date of submission of tenders: 20/02/2023**

**To Whom It May Concern**

This is to seek quotations valid for 90 days for the equipment supply as per the specifications described below. A quotation should indicate the terms and conditions of the vendor, delivery schedule, applicable taxes, payment terms etc. The tender should be submitted in two separate sealed envelopes – one containing the “Technical bid” and the other containing the “Commercial bid”, both of which should be duly signed and must reach the undersigned on or before 17:00 hours, 20/02/2023.

Global tender is being sought for the following items.

1. Histopathology Microtome
2. Tissue Embedding Station

Please note:

1. Quote should come from Foreign/ International Original Equipment Manufacturer (OEM) or their Indian authorized distributor or Indian manufacturer.
2. The quotations should be in INR only.

Quote/bids should be addressed to:

**The Chair**

**Department of Microbiology & Cell Biology,**

**Division of Biological Sciences,**

**IISc, Sir CV Raman Avenue, Bengaluru 560 012**

## TENDER SPECIFICATIONS

### 1. Histopathology Microtome

- Ergonomically made & Electronically controlled
- Facility of both motorized and manual trimming
- Manual sectioning in both full hand wheel rotation and rocking mode
- Should provide accurate reproducible section of same thickness of high quality throughout the length of specimen travel.
- Heavy base casting for vibration free performance.
- Visual display of section setting modes.
- Universal blade holder for both high and low profile disposable blades
- Vertical guidance by zero-backlash and maintenance-free cross roller bearings
- have section magnetized waste tray.
- Automatic specimen advance should be there.
- Electronic precision feed mechanism with stepping motor technology
- Section thickness range from 0.5 up to 500  $\mu\text{m}$
- One-hand quick clamp change
- Specimen retraction during return travel: 40  $\mu\text{m}$ , can be turned off.
- Fine Section thickness range:
  - from 0.5 ... 2  $\mu\text{m}$  in 0.5  $\mu\text{m}$ -increments
  - from 2 ...10  $\mu\text{m}$  in 1  $\mu\text{m}$ - increments
  - from 10...20  $\mu\text{m}$  in 2  $\mu\text{m}$ - increments
  - from 20...30  $\mu\text{m}$  in 5  $\mu\text{m}$ - increments
  - from 30...40  $\mu\text{m}$  in 10  $\mu\text{m}$ - increment
  - from 40...100  $\mu\text{m}$  in 20  $\mu\text{m}$ - increments
- Section thickness range TRIM:
  - from 5 ... 10  $\mu\text{m}$  in 5  $\mu\text{m}$ - increments
  - from 10 ...100  $\mu\text{m}$  in 10  $\mu\text{m}$ - increments
  - from 100...200  $\mu\text{m}$  in 20  $\mu\text{m}$ - increments
  - from 200...500  $\mu\text{m}$  in 50  $\mu\text{m}$ - increments

- Vertical specimen stroke 72 mm
- Specimen orientation universal 8°, can be rotated 360° 19. Trimming section thickness: 5 to 500 micron
- Specimen retraction during return travel: 40 µm, can be turned off
- The equipment should be European CE and USA-FDA approved
- Manufacturer must be ISO certified
- Equipment should be provided with following accessories-
- Both High and low profile blades: 2 pkts each.
- The demonstration of the equipment offering actual tender specifications should be mandatory for Technical qualification.

## **2. Tissue Embedding Station**

- Microprocessor controlled bench top unit, fully programmable automatic on/off control with two console unit one heated paraffin dispensing and embedding unit and cryoconsole with cooling plate
- Can be programmed to turn on automatically to bring all work areas to their proper temperatures in time for the workday.
- Independent programmable temperature settings for paraffin reservoir, mold warmer, cassette bath, and work surface
- Capacity of tissue storage tank should be 4- 5 liter paraffin and large area of cold plate.
- Paraffin reservoir temperature setting range from 50°C to 70 °C
- Ample cold plate to accommodate at least 72 blocks.
- Cassette bath to store at least 300 cassettes.
- Mold warmer temperature programmable from 50°C to 70°C
- Work surface temperature programmable from 50°C to 70°C
- Cold spot temp with Peltier element
- Cold plate temperature range from -3 to -12°C and adjustable
- System should be operated by manual as well as foot pedal.
- Spacious paraffin collection tray to collect excess paraffin from work surface.
- Separately heated paraffin dispenser with temperature 50°C to 70°C

- Control panel with LCD display showing temperature, time, filling level.
- Bright, even illumination of the embedding area to be provided through well lit and clutter free - Cool LED lighting
- Instrument should be programmable for work-days, work starting time, work end time, real time and day of the week for automatic switch on/off of the instrument.
- Should have forceps warmer, along with electrically heated forceps
- Should have paraffin trimmer.
- Mains connection voltage : 220-230v/50/60hz. And
- Super Mega Cassettes can be embedded with ease.
- Manufacturing company should be ISO Certified.
- Equipment should be USFDA approved.
- Demonstration of the instrument should be mandatory

**Terms and conditions:**

- The validity period of the quotation should be 90 days
- Quote should come only from Foreign Equipment Manufacturer (OEM) or their Indian authorized distributor.
- The quotations should be in INR only.
- The Quote should include all costs, including transport, customs clearance, transport to the installation site, and complete installation.
- The quote should include a Warranty for three years from the installation date. Please also include warranty terms and other information on upgradation terms in the technical bid.
- Quote should support including annual refresher training every year for at least the first 3 years.
- The quotations should be submitted in two bids system, i.e., Technical bid, and Commercial bid.
- The technical bid must include all details of the instrument's technical specifications and commercial terms and conditions, masking only the price component. Bill of materials,

brochures, technical datasheets, and other documents may be enclosed to help evaluate the technical bid.

- Please provide a Compliance sheet along with the technical bid, indicating any deviation from the technical specification described in the tender. An incomplete Compliance sheet with missing information will be considered a ground for rejection.
- The commercial bid must include the instrument's price in Indian currency, indicating break up of: Installation, commissioning, and training charges, including any incidental expenses, if any. 6. Price of every line item in the commercial bid should be quoted along with the total quoted price for the instrument to be operational (fixed and ready to use) in our facility.
- The Technical and Commercial bid should be put in separate sealed envelopes, and put together in another cover stating, "Histopathology Microtome and Tissue Embedding Station".
- The vendor should have a good track record of supplying at least 5 Histopathology Microtome and Embedding Stations in India (please include details) in last three years.
- The vendor should have team of dedicated engineers for application and service support based out of Bangalore.
- The lead time for the delivery of the equipment should not be more than 2 months from the date of receipt of the purchase order.
- If the goods are found to be defective, they have to be replaced or rectified at the supplier's cost within 30 days from the receipt of written communication from us. If there is any delay in replacement or rectification, the warranty period should be extended.
- The purchaser reserves the right to accept or reject any bid, annul the bidding process, and reject all bids at any time to award construction without incurring any liability of the affected bidder or bidders.
- Please submit the proposal to the following address: The Chair, Department of Microbiology and Cell Biology, Indian Institute of Science, C. V. Raman Avenue, Bangalore 560012.
- It should reach us on or before 17:00 hours on 20/02/23.
- Upon submission of the Bid please inform by email to [shashankt@iisc.ac.in](mailto:shashankt@iisc.ac.in) and copy [chair.mcb@iisc.ac.in](mailto:chair.mcb@iisc.ac.in). on 20/02/23.