



Dhirendra S. Katti, PhD
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Tender: Enquiry for Microtome with accessories

Enquiry No. IITK/DSK/BSBE/2017-2018/NC

Enquiry Date: 08/08/2017

Closing Date: 18/08/2017

Kindly send us sealed quotations for the **Microtome with accessories** against tender number IITK/DSK/BSBE/2017-2018/NC-. Quotations should be addressed to Prof. Dhirendra S. Katti, Department of Biological Sciences and Bioengineering, IIT Kanpur, - 208016. **Please send technical and financial bids separately.** The technical bid should clearly indicate if the equipment and accessories meet each of the required technical specifications as listed below. The last date for receipt of sealed quotations is **18/08/2017**.

Minimum technical specifications

Microtome:

- i. LCD display for section thickness.
- ii. Range of section thickness: 0.5 - 99 μm in 1 μm steps.
- iii. Adjustable coarse specimen advance: 1 - 99 μm .
- iv. Horizontal specimen feed: minimum 25-30 mm.
- v. Vertical specimen feed: minimum 60-70 mm.
- vi. Specimen Orientation : XY axis : +/- 8 Degrees / Z axis : 360 Degrees
- vii. Convenient specimen Holder :55 x 55 mm
- viii. Smooth fatigue free hand wheel with safety lock.
- ix. Motorized coarse advance / return of specimen.
- x. Touch key operated coarse advance micron settings with LCD display.
- xi. Knife Holder Base Features suited for microtome knives of 100-300 mm, standard disposable blade holder.
- xii. Ergonomic and efficient clamping mechanism

Accessories:

- i. **Tissue flotation bath**
 - Equipped with illumination source
 - Operating range of bath 0 to +70 °C.

- ii. **Slide warming table**
 - Stainless Steel work surface
 - The temperature control upto +70 °C fitted with energy regulator and an adjustable thermostat.
 - Plate Size : 600 x 150mm

- iii. **Tissue embedding system**
 - Equipped with digital display
 - Large work area for tissue embedding
 - Equipped with illumination source
 - Wax flow control system.
 - Paraffin tank: minimum 3 liters
 - One collection tank for easy cleaning
 - Four-position, integral forceps warming block
 - Flexible gooseneck magnifying glass
 - Ready to use with electrically heated forceps
 - Cold plate : -5° C
 - Hot plate : 55° C to 70° C
 - Tissue storage : 40° C to 80° C
 - Paraffin tank : 40° C to 70° C

- iv. **Hot air oven**
 - Internal dimensions: 455mm (W) x 455 mm (H) x 605 mm (D) approx.
 - Temperature range: 25°C to 300°C
 - Digital display with programming feature
 - Rise time (ramp rate): min 4°C per min
 - Resolution/ Accuracy: ±1°C
 - Power rating : 230v, 50/60Hz
 - Sensor for over temperature protection
 - Air Circulation

Terms and Conditions:

1. **Technical bid and price bid should be submitted in separate sealed envelopes. The two sealed envelopes could be sent together in one larger envelope. Those not fulfilling these criteria will be disqualified.**
2. Quotations are required in a sealed envelope with enquiry number mentioned on the envelope.
3. Quotation should have minimum validity of 90 days from the date of opening.
4. Price must include all taxes and charges (including delivery, installation, etc.).
5. Quotation should carry proprietary certificates (If Applicable) and authorization letters/certificates.
6. Quotation should carry list of users in India for the equipment.
7. Maximum educational discount should be applied.
8. Quoted price should be in Indian Rupees only.
9. Warranty/ Guarantee should be clearly mentioned.

10. The Institute reserves the right of accepting and rejecting any quotations without assigning any reason.
11. **Only those bids will be considered valid which will have equipment with all accessories listed above.**
12. IITK has exemption on excise and custom duty. Suitable certificate would be provided if required by the supplier.
13. All prices should be for free delivery at IIT Kanpur.

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