

Indian Institute of Technology Kanpur

Call for quotation: Cryo-Ultramicrotome for TEM sample preparation

IITK/CHM/sverma2/2012

Dated: 05.03.2012

Closing Date: 12.03.2012

We are interested in acquiring a cryo-ultramicrotome for High resolution TEM lab to augment specimen preparation infrastructure. Quotations in sealed envelopes are invited from the prospective vendors/suppliers for this product.

The following minimum specifications have to be satisfied:

1. Ultra microtome with capacity for Cry sectioning

Must be user friendly. PC Controlled ultra microtome with touch screen, working on windows XP based operating system having video monitoring facility.

2. Viewing System: 10X to 50X magnification

3. Illumination system: Preferably independent light sources for bright, dark-field and trans-illumination.

- a. Top light Illumination
- b. Back light Illumination
- c. Specimen trans-illumination

4. Built-in anti-static device

5. VIBRATION Isolation table with air isolation system

6. Micrometer/motorized controlled knife stage.

7. Cutting window: 0.2 –10mm

8. Cutting speed: 0.1 to 50 mm/sec with power drive cutting stroke.

9. Auto section ranges 1-9999 nm.

10. Trimming block & post.

11. Glass knife maker to be included in the quote. Knife maker must have the provision to cut best quality glass knives at different angles. Precision control adjustments for accurate knives

12. Diamond knife (one number) to be included in the quote.

13. Power source: 220-240V AC

14. Recommended spare parts and consumables for two years operation. List of items to be provided.

15. Installation and Commissioning: Manufacturer should take responsibility to install and commission the equipment and all accessories and also demonstrate its performance at site.

16. Training: Manufacturer must take responsibility to train scientists engaged in the operation and routine maintenance of the cryo ultra microtome and its accessories.

17. Guarantee/warranty: The complete supply must be guaranteed for free repair/replacement for 24 months from the date of installation. After completion of 2 years, 3 years free service.

18. After sales service support : Please provide the following:

- a. List of similar units supplied / installed by the manufacturer in India
- b. List of service centers
- c. An undertaking that the service engineer will responds to service call within 48 hours of being informed of the problem.

Terms and Conditions: As per IIT Kanpur Rules

1. All the claimed specifications of the machine and the attachment should be demonstrated after completion of the installation at our site.
2. IIT Kanpur reserves the sole right to decide on the technical specifications over and above the specified ones and best suited machine configuration with appropriate attachments/accessories/add-ons.

Quotations should reach the following address on or before 12 March, 2012 evening 5 pm in closed envelopes.

Professor Sandeep Verma
Department of Chemistry,
Indian Institute of Technology Kanpur
Kanpur -208016, U.P.,
India
email: sverma@iitk.ac.in
Phone: +91-512-259-7643
