



पादप कार्यिकी संभाग
DIVISION OF PLANT PHYSIOLOGY
भा.कृ.अ.प.-भारतीय कृषि अनुसंधान संस्थान
ICAR-Indian Agricultural Research Institute
नई दिल्ली-110012 (भारत)
NEW DELHI - 110 012 (INDIA)



फाईल संख्या: 21-10/AIC/CMT/24-25/SFC

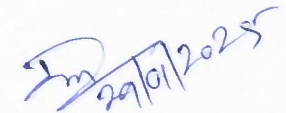
दिनांक: 29-01-2025

GeM के माध्यम से ई-खरीद हेतु सूचना
NOTICE FOR E-PROCUREMENT THROUGH GeM

Online GeM e- bid are invited from reputed Manufacturere/Supplier/Authorized dealer in two bid system (Technical and Financial) for purchase of scientific equipment **Cryostat Microtome, Qty. 01 No.** for **Agricultural Innovation Centre** on behalf of Director, ICAR-Indian Agricultural Research Institute, New Delhi. Please visit www.iari.res.in for details Rules and Regulation and log in www.gem.gov.in for online e-bidding.

जैम बिड का विवरण निम्नलिखित है / Details of Gem Bid are as follows:

जैम बिड संख्या / GeM Bid No.	GEM/2025/B/5885264
बिड जमा करवाने की तिथि एवं समय / Bid Submission start date and time	29-01-2025
बिड बंद होने की तिथि एवं समय / Last Date & Time for submission of bid	20-02-2025 16.00
बिड खुलने की तिथि एवं समय / Date & Time for opening of Technical Bid	20-02-2025 16.30


सहायक प्रशासनिक अधिकारी
Asstt.Admn.Officer

SPECIFICATIONS FOR CRYOSTAT & MICROTOME

It comprises of two units:

- (1) Cryostat and (2) Microtome

SPECIFICATIONS FOR CRYOSTAT

- 1. Cryostat-** It must have encapsulated microtome with spacious Cryo-chamber.
- 2. Omitted**
- 3. Specimen retraction** –It must have specimen retraction for manual mode of operation at 0-20 μm or better.
- 4. Omitted due to overlap.**
- 5. UV disinfection** –It must have certified UVC disinfection in short duration.
- 6. Cooling system-** It must have cooling system 0 to -35degree C or lesser for cryochamber.
- 7. Quick-freezing shelf:** It should have cooled specimen preparation zone with quick-freezing shelf with automatic defrost.
- 8. Specimen stroke:** It must have total vertical specimen stroke of 55-70 mm or better, and total horizontal specimen feed: 25-30 mm or better.
- 9. Sectioning range-** It must have sectioning range from 1-100 μm or better.
- 10. Display unit-** It must have LED-display for cryo chamber and specimen head temperature, actual time, defrost time and more variables.
- 11. Blade specifications-** It should have blade holder for high- and low-profile blades with proper adjustment and knife safe guard.
- 12. Warranty** – It must have one year of warranty period or more.

SPECIFICATIONS FOR MICROTOME

- 1. Microtome-** It must have manual rotary specimen feed system or better.
- 2. Specimens object feed-** It should have Specimen object feed of 25-30mm and vertical stroke length of 55-70mm or better.
- 3. Hand wheel-** It should have the hand wheel that can be locked into place in upper position via hand wheel handle

4. Microtome user should have flexibility to select the coarse feed wheel direction of rotation depending on the requirements
5. **Section thickness feed-** It must have section feed specimen from 0.5 μm - 60 μm or better with increments & indicate by visual display with different section thickness settings.
6. **Mechanical trimming-** It should have mechanical trimming function with selection as 10 μm or better.
7. **Specimen retraction:** It must have specimen retraction of 0- 20 μm or better.
8. **Orientation-** It should have precise specimen orientation of 8° in X-Y.
9. It should have a knife holder base with lateral displacement compatible for both types of disposable blades for High profile and low-profile blades.
10. Microtome should have disposable blade holder.
11. **Warranty:** must have one year of warranty period or more.