



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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Supply and Commissioning of Different Medical Equipment for Calcutta National Medical College and Hospital
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-210/2025

Dated-18.03.2025

2nd call of bid reference No. WBMSCL/NIT- 071 /2025 Dated-21.01.2025

Amendment-I (Schedule III)

Schedule III **Revised Technical Specification** **Cryostat for frozen section**

Instrument: Clinical CRYOSTAT: must have features:

1. Freestanding cryostat with encapsulated, splash-proof microtome avoids unnecessary parts to get frozen, saves energy, enhancing cryostat performance
2. Spacious, stainless-steel cryochamber with antiglare illumination
3. Heated, removable sliding window should be must
4. Stable, self-contained cry cabinet on casters
5. 2 in 1 Premium Blade holder for both High & low Profile blades
6. Hand wheel manually lockable in two positions making it user-friendly & performance safer
7. Easy-to-handle and stable clamping system for clamping the specimen discs and with sturdy Stretching Device for Cryostatic sections combined with Anti-Roll Glass plate-unique feature which avoids frozen section rolling by pushing the cut section through a narrow gap of precise height & depth.
8. 8" XYZ specimen orientation with zero point reference: Specimen orientation: should be 8' (x-, y-, z-Axis)
9. Cryochamber temperature selection from 0° C to 30° C preferable, adjustable in 1K; increments at ambient temperature of 20° C.

10. Easy-to-clean & disinfect, actively cooled specimen preparation zone with quick-freezing shelf for up to 10 specimens with max temperature preferred up to 37° C
11. Cryochamber may be defrosted manually or via automatic hot-gas defrosting once every 24 hours.
12. The cycle may be programmed in 15-minute increments
13. Maximum specimen size of 55 x 55 mm or 50 x 80 mm-Specimen feed does not weigh in due to Unique force balancing technique
14. Cryochamber and quick-freezing shelf can be defrosted manually Should be equipped with an acoustic warning signal to prevent unintentional defrosting
15. Manual defrost cycle for chamber and quick-freezing shelf: 10-12 minutes
16. Low-maintenance microtome with cross roller guides.
17. Easy-to-Rotate hand wheel with spring balance to apply negligible pressure on arm to manually rotate hand wheel, reduces strain & enhances user-comfort
18. Reproducible, high-quality thin sections via stepper motor specimen feed.
19. Section thickness selection from outside the cryochamber
20. selectable in 0.5 μm increments from 2-5 μm ,
21. selectable in 1 μm increments from 5-20 μm ,
22. selectable in 5 μm increments from 20-60 μm ,
23. Total vertical specimen stroke: 59 mm
24. Total horizontal specimen feed: 25 mm
25. Motorized coarse feed in 2 speeds: slow of max. 600 $\mu\text{m/s}$ and fast min. 900 $\mu\text{m/s}$ for coarse feed to suit use/s reference
26. Step function 20 m each time the key is pressed at slow coarse feed speed
27. The bidder should submit valid CDSCO Certificate / Registration / License for both the manufacturer(s) and importer(s) as applicable.
28. At least 25 nos. of installations of Cryostat in India out of which 15 nos. should be installed in Govt. Institution (Central and State) rest 10 nos. Should be installed in Govt. or Private institution.
29. The bidder should submit 10 nos. of the Satisfactory Service and Performance Report from only the Govt. Institutions otherwise the bid will not be treated as valid.
30. This service support should be available within 48 hours from the time of logging information and the machine should be fully functional mode.