



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
Swasthya Sathi
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Kolkata-700091

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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- 071 /2025

Dated-21.01.2025

Amendment-I

Revised Technical Specification

Schedule II

Automatic Tissue processor

All below points must be present in quoted instrument:

Microprocessor controlled Carousal type Vacuum/ **spiral agitation technology** Tissue Processor with 9 freely selectable programs.

User programmable parameters like infiltration time delay time, Vacuum on-off, agitation on-off and 80-100 cassettes capacity. Facility should be there of upgradation to 200 cassettes capacity with double tissue basket loading.

Programmable infiltration time from 5 min to 99 hours 59 mins in 1 increment.

1. Excess temperature cut of facility to avoid tissue loss.
2. Delay start-up function to up to 9 days advance.
3. Drain time of 60 sec in each station to reduce carry over contamination.
4. Reagent containers of at least 1.8 liters with seals to minimize evaporation and expose the hazardous fumes.
5. Vacuum for all stations mandatory and Vacuum pump must be integrated in the instrument
6. Pressure difference of max. 500 h Pa (approx. 0.5 bar) applicable for all Stations/ **any suitable technology will be ascertain by the expert**
7. **Ability to program Vacuum in all station individually, can be able to ON/OFF & control the Vacuum function for every station/ any suitable technology will be ascertain by the expert.**
8. Vertical agitation mandatory for each station as per need and 3 sec per cycle

9. Maximum safety concept with automatic immersion of the tissue basket into the beaker in case of power failure. The tissue specimens are protected from drying out even during a power failure since the tissue baskets are automatically immersed in a station. The program is resumed where interrupted once mains power is restored. After a long-term power failure, the wax will be liquefied.
10. If the programmed infiltration time for any of the stations is exceeded a warning message is displayed indicating the station number and the time in excess of program.
11. Audible alarms, error messages and warning codes for maximum safety
12. Should have sturdy high-grade aluminum reagent vessels with handle to remove the vessels.
13. Wax bath with temperature adjustment from 45-65 degree Celsius.
14. Thermostatically controlled wax bath and excess temperature cutout facility at 75 deg Celsius.
15. Electronic locking facility to avoid inadvertent operation.
16. Possibility of interrupting an automatic process for reloading or removing cassettes for special applications before the end of a run.
17. Mandatory facility to manually lift the carousel and remove tissue in case of long power failures.
18. Activated carbon filter system should be integrated.
19. The bidder should submit valid CDSCO Certificate / Registration / License for both the manufacturer(s) and importer(s) as applicable.
20. At least 40 no of installations of automatic tissue processor in Eastern India in which -50% should be in reputed Government Institutions to prove a healthy user base.
21. Should have dedicated manufacturer company's own service support or channel partner for East India (not distributor's) with a team of company's own service engineers to support us timely