



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited

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**Procurement of Medical Items for the Blood Centres at Hospitals and Medical
Colleges of Govt. of West Bengal**
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-193/2024

Dated-11.03.2024

Amendment-II

REVISED TECHNICAL SPECIFICATION

ITEM-10

REFRIGERATED WATERBATH (CRYOBATH)

1. TECHNICAL CHARACTERISTICS:

- For uniform thawing of plasma bags at preset temperature of 4° C ± 0.2° C
- **Construction:** For uniform thawing of plasma bags at present temperature of 4° C ± 0.2° C.
- High capacity pumps to facilitate optimum and uniform thawing of plasma.
- System to prevent contamination of individual ports during thawing.
- Microprocessor based digital controller to precise monitoring and controlling of temperatures at 4° C ± 0.2° C.
- Stainless Steel (SS 304) tank of 22 gauge and stainless steel lid of at least 20 gauge.
- Drain line with shut off valve.

- Mounted on lockable castor wheels Temperature sensing method: Sealed sensor dipped directly in water.
- **Power Consumption:** Maximum 1600 W.
- **Operating Temperature:** 2° C to 6° C.
- **Programmable Tem. Range:** 2° C to 50° C.
- **Display Resolution :** 0.1° C-0.5° C
- **Time Taken:** Time taken for one process should not be more than 2 hours for plasma bags store at -40° C.
- **Tray:** Stainless steel (SS 304) removable tray of individual compartments for holding plasma bags.
- **Capacity:** 10-20 bags per run or per one cycle.
- **Setting:** Manual.
- **User interface:** Manual.

2. PHYSICAL CHARACTERISTICS:

2.1. Noise (In dBA): Noise factor should not exceed 60 dB

3. ENERGY SOURCE (electricity, UPS solar, gas, water, CO2.....):

3.1. Power requirement: Input voltage 230+10%V, 50Hz, 15Amp
Single phase AC

4. ACCESSORIES, SPARE PARTS, CONSUMABLES:

4.1. Accessories & spare parts: Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer. The make, rating, model, description, specification, price, quantity or each item shall be furnished separately.

5. ENVIRONMENTAL & DEPARTMENTAL CONSIDERATIONS:

5.1. Atmosphere / Ambiance (air conditioning, humidity, dust...):
Capable of operating continuously in ambient temperature of 10 to around 30° C and relative humidity of 15 to 90%

5.2. Additional requirement: All Items should specify design qualifications, installation qualifications, operational qualification and performance qualifications, validation and calibration reports should have traceability towards applicable national/ international standards. Performance, efficiency, other factors such as distortions etc as applicable be also furnished. Complete construction details in

respect of manual specification, thickness, finish etc are to be furnished.

6. STANDARDS & SAFETY:

6.1. Product Certification: CE / US FDA / BIS certified

7. WARRANTY & MAINTENANCE:

7.1. Warranty: 2 years