



## **Notice Inviting e-Tender**

**West Bengal Medical Services Corporation Limited**

**Swasthya Sathi**

**GN-29, Salt Lake, Sector-V**

**Kolkata-700091**

Phone No (033) 40340307/320

E mail: [procurement@wbmsc.gov.in](mailto:procurement@wbmsc.gov.in)

**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-16**

### **WATER BATH – SEROLOGICAL**

#### **1. TECHNICAL CHARACTERISTICS:**

##### **1.1. Water Bath with MICROPROCESSOR technology**

- Bright temperature display (LED)
- Seamless, splash – proof keypad
- Splash-proof mains switch
- Optical warning signal with timer for the cut off function
- Drain screw for conveniently emptying the bath
- Dry-running protection
- Removable bottom plate
- Should have audio-visual alarm if temperature serve more than the setting
- Working temperature range: Room temp upto 100° C
- **Temperature Stability:**  $\pm 1^{\circ}$  C
- **Display:** LED

- **Display Resolution:** 1° C
- **Heater Capacity:** 2000W
- **Filling Volume:** minimum 20 Ltrs.
- Should have a stirrer
- **Settings:** Manual
- **User's Interface:** Manual

## **2. PHYSICAL CHARACTERISTICS:**

2.1. **Heat Dissipation:** 2000w

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

3.1. **Power requirement:** Input voltage 220/240v 50Hz

## **4. ACCESSORIES, SPARE PARTS, CONSUMABLES:**

4.1. **Accessories & spare parts:** Complete with comprehensive set of spare parts. 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 40 deg 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

**\*\*Note Applicable for item no. 1 to 22:**

- 1. Installation Quality (IQ), Operational Quality (OQ), Performance Quality (PQ) certificate to be submitted during installation of the machine.**
- 2. 3<sup>rd</sup> party calibration certification should be also be provided during installation**