



## Notice Inviting e-Tender

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SUPPLY AND COMMISSIONING OF MEDICAL EQUIPMENTS FOR BLOOD COMPONENT SEPARATION UNIT FOR THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVT. OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 76 /2018

Dated-25.04.2018

The following amendments have been made in the tender document,

### **Amendment-XI**      **(Applicable for Schedule VIII)**

## **TECHNICAL SPECIFICATION**

### **Platelet Incubator cum Agitator**

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

- Flat bed agitator fitted inside a temperature controlled Incubator operating with CFC free refrigerant gas.
- **Construction:** A. Platelet Incubator: Should have the provision to store the agitator.
- Should have a single transparent outer door for clear visibility.
- Should be able to maintain a temperature of 22 + -2 deg C, Set temperature of 22 deg C.

- Should have a digital temperature indicator, Seven day chart recorder with battery backup for minimum of 2 hours for continuous operation during power failure till warranty period.
- Single digital temperature sensor for both recording and controlling.
- Should have audible visual high/low alarm for temperature control, battery on/low, sensor failure, agitator off, power failure, compressor and system.
- Should have forced air circulation method for the uniformity of the temperature at all sides of the incubator, Chamber mounted electrical outlet for agitator should be available.
- **Platelet Agitator:** Internal Surface: Sturdy, Stainless steel/ power coated. External Surface: Sturdy and Corrosion resistant.
- Transparent door.
- **Design of shelves:** Shelves are made of non slip, corrosion resistant material, coated with bacteria resistant material, perforated to ensure air circulation and with sufficient clearance to minimize noise.
- Gentle side to side agitation at 3.6-4 cm side to side, 60-70 strokes/ minute.
- Heavy duty ball bearing gear motor for noiseless and continuous operation for 24 hrs a day throughout the year.
- Motor with internal fan. Should have door open alarm.
- **Capacity:** Designed to hold random platelet packs or aphaeresis platelet packs or a mixture of both types as per requirements (48 bags).
- **Settings:** Factory presetting at 22 deg C  $\pm$ 2 deg
- **User's Interface:** Manual
- Temperature controller with sensor

## 2. PHYSICAL CHARACTERISTICS:

2.1. **Noise (in dBA):** Noise factor should not exceed 60 decibels

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

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

## 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 30 deg C and relative humidity of 15 to 90 %.
- 5.2. **Additional requirement:** All equipments 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 ; Should be supported with documentations or US FDA (The product must be enlisted under US FDA and the quoted model must have US FDA permission to market in US & export to other countries.
- 6.2. **Quality Certification:** ISO Certified

## 7. WARRANTY & MAINTENANCE:

- 7.1. **Warranty:** 2 years
- 7.2. **CMC:** 5 years