

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- 47 /2016

Dated – 16.08.2016

The following amendment have been made in the tender document,

Amendment - III

SCHEDULE – IX

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.
- **Capacity:** 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 (24/48/72/96 bags) as per users requirement.
- **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 or US FDA certified

6.2. Quality Certification: ISO Certified

7. WARRANTY & MAINTENANCE:

7.1. **Warranty:** 2 years

7.2. **CMC:** 5 years