

## 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 – III PLASMA THAWING BATH

##### 1. TECHNICAL CHARACTERISTICS:

###### 1.1. Construction:

- Table top with top opening having a deep thawing chamber with a stirrer and with water maintained at  $37 \pm 1$  deg C with pumping mechanism and inline heating system to ensure uniform thawing.
- Quick thawing (<20min) should be able to thaw 4/8 plasma bags (FFP/cryoprecipitate/Aphaeresis or plasma bags of any size.
- Tray with individual compartment to ensure that port of bags should be kept above water levels during the procedures.
- Should give an alarm when the plasma bags are thawed.
- Should have digital temperature display.
- Should have audio visual over temperature alarm system.
- Should have a system to drain the chamber easily.
- Should be supplied with a cover to keep the unit covered when not in use.

- Simple to use and easy to read LED display.
  - Drain line with shut-off valve.
- 1.2. **Tray:** Removable type Stainless trays with partitions for holding plasma bags.
  - 1.3. **Capacity:** Capacity of minimum 4 to 8 Plasma bags.
  - 1.4. **Setting:** Manual
  - 1.5. **User's interface:** Manual
2. **Energy Source (electricity, UPS solar, gas, water, CO2.....):**
    - 2.1. **Power Requirements:** Input voltage 220 /240V 50Hz single phase.
    - 2.2. **Other energy supplies:** Suitable UPS with maintenance free batteries for minimum 30 mins backup should be supplied with the system.
3. **ACCESSORIES SPARE PARTS CONSUMABLES:**
    - 3.1. Reusable wrap bag 500 numbers.
4. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATION:**
    - 4.1. **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%  
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    - 4.2. **Additional requirement:** all equipment should specify design qualification operational qualification and performance qualification validation and calibration report should have traceability towards applicable National/International standards. Performance efficiency other factor such as distortion etc as applicable be also furnished. Complete construction details in respect material specification thickness finish etc are to be furnished.
5. **STANDARD AND SAFETY:**
    - 5.1. **Product Certification:** CE or US FDA certified
    - 5.2. **Quality certifications:** ISO certified
    - 5.3. **Supporting documents to be provided for protection of electrical safety.**
6. **WARRANTY AND MAINTENANCE:**
    - 6.1. **Warranty:** 2 years
    - 6.2. **CMC:** 5 years