



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 II)**

TECHNICAL SPECIFICATION

PLASMA THAWING BATH

1. TECHNICAL CHARACTERISTICS:

1.1. Construction:

- Table top with top opening having a deep thawing chamber with a stirrer **or pump mechanism to maintain water** at 37 ± 1 deg C and inline heating system to ensure uniform thawing.
- Quick thawing (<20min) should be able to thaw minimum of 6 plasma bags of standard 300 ml capacity (FFP/cryoprecipitate/Aphaeresis or plasma bags).
- 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 Steel trays with partitions for holding plasma bags.
 - 1.3. **Capacity:** minimum of 6 plasma bags of standard 300 ml capacity.
 - 1.4. **Setting:** Manual
 - 1.5. **User's interface:** Manual
2. **Energy Source (electricity, UPS/battery, solar):**
 - 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; 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.
 - 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