



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 XVII)**

TECHNICAL SPECIFICATION

Semi Automated Coagulometer

1. **TECHNICAL CHARACTERISTICS:**

- Should be microcomputer controlled semi automatic with at least 4 channels optics.
- Based on optical / mechanical principle with LED suitable for PT, a-PT, fibrinogen, thrombin time, factors II, IV, VII, VIII, IX, X, XI, XII.
- Results can be represented in seconds %activity, ratio, INR and g/L and mg/L Should be able to stop specific test parameter in the system.
- Printer type should be specified with equipment specification(Laser printer with maintenance cost included in CMC)
- Should generate the standard curve for factor assays.

- Provide reagent (PT, APTT, Fibrinogen along with CaCl₂, OVB & standard human plasma & bilevel control & necessary cuvettes) for 25 tests per quarter up to the period of warranty. Cost of reagent should be quoted in form 9 (a)
 - Open system for reagent and low reagent consumption.
 - **Construction:** Should have integrated/external incubation block with pre warming position.
 - Complete system with printer or printer connectivity is required.
 - Display: LCD display
 - Calibration: manual
 - Detailed results including graphical representation.
 - **Settings:** Manual
 - **User's interface:** Manual
 - Should have provision for LIS compatibility
2. **ENERGY SOURCE (electricity, UPS solar, gas, water, CO2.....):**
- 2.1. **Power Requirements:** Input voltage 220 /240V 50Hz fitted with Indian plug.
- 2.2. **Other energy supplies:** Suitable online UPS with maintenance free batteries for minimum 30 mins backup should be supplied with the system.
3. **ACCESSORIES SPARE PARTS CONSUMABLES:**
- 3.1. **Accessories & Spare parts:** Complete with maintenance comprehensive set of spare parts. The make rating model, description, specification, price, quantity, of each item shall be furnished separately.
4. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDARATION:**
- 4.1. **Atmosphere/ Amblance (Air-conditioning, Humidity, Dust):** Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90%
- 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