



## Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited  
Swasthya Sathi  
GN-29, Salt Lake, Sector-V  
Kolkata-700091

Phone No (033) 40340308/319

E mail: [procurement@wbmsc.gov.in](mailto:procurement@wbmsc.gov.in) / [mp@wbmsc.gov.in](mailto:mp@wbmsc.gov.in)

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- 165 /2018

Dated- 10.08.2018

**The following amendments have been made in the tender document,**

### **Amendment-I**     **(Applicable for Schedule I)**

## **TECHNICAL SPECIFICATION**

### **Insulated PQS Blood Transport Box**

1. Dimensions (cm): 50 X 40 X 30 cm (inside)
2. Lid type and fixing: Fixed hinges
3. Storage Volume: 30 to 35 units of blood of 350 / 450 ml
4. External Materials: Polyethylene
5. Weight fully loaded (Kg): 38.9 kg. Internal lining material: Polyethylene
6. Weight empty (Kg): within 15.9 Kg
7. Insulation materials: Polyurethane
8. Hold over time: 4 to 6 hours
9. External dimensions: (L x W x H cm): 82.5 X 55.0 X 49.9 cm **approx.**
10. Insulation thickness: 90-105 mm Internal coolant packs (2 to 4)
11. Warranty: 2 years; CMC: 5 years
12. **Quality certifications:** ISO certified



## Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited  
Swasthya Sathi  
GN-29, Salt Lake, Sector-V  
Kolkata-700091

Phone No (033) 40340308/319

E mail: [procurement@wbmsc.gov.in](mailto:procurement@wbmsc.gov.in) / [mp@wbmsc.gov.in](mailto:mp@wbmsc.gov.in)

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- 165 /2018

Dated- 10.08.2018

**The following amendments have been made in the tender document,**

### **Amendment-I    (Applicable for Schedule III)**

## **TECHNICAL SPECIFICATION**

### **SEMI AUTOMATED ELISA READER WITH PRINTER, SEMI AUTOMATED ELISA WASHER & MICROPIPETTES**

1. **Semi Automated ELISA Reader**

- a) Photometer 8 - 12 measurement channel
- b) Wave length range 405 - 620 nm with upgradable slots should be available.
- c) Filter: 405, 450,492 & 620 nm with optional additional filters.
- d) Absorbance range 0 to 4.0 OD

**The bidders shall demonstrate tests conducted with suitable traceable calibrators / kits [capable of production of OD in the range of high (4.0), low (0.0) & intermediate (2 - 2.20)]**

- e) Reading time for 96 well plates will not exceed 20 seconds.
- f) Should be capable of reading in Multi level volume content

- g) On board shaking with programmable time
- h) Should have LED / Halogen light source & free replacement of light source for 10 years with free calibration at the time of changing of light source.
- i) Calibration of the reader should be at least once a year during the period of warranty & CMC without any additional cost.
- j) **Product Certification:**  
 CE (Declaration of Conformity on compliance with In Vitro Diagnostic Device Directive (IVD) - 98/79/EC)  
 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.
- k) **Quality Certification:** ISO certificate
- l) Compatible good quality UPS with appropriate KVA – 30 minutes backup
- m) The UPS with battery should also be under warranty & CMC.

**Programming:**

- i). Provide Levy Jennings chart recording system for QC & printout facility or provide a software which will provide the Levy Jennings chart after putting the values of control as well as calculation of Levy Jennings with E-Ratio and will incorporate the old control values automatically.
- ii). Multi blank programming facility, various types of cut off programme
- iii). Should be capable of printing results for 8 x 12 wells.
- iv). Should provide computer with licensed software and compatible printer during warranty & CMC period.
- v). Reader compatible licensed software should have unlimited uploading during warranty & CMC period.

**2. Semi Automated ELISA Washer**

- a) Cross wise aspiration, over flow washing, bottom washing
- b) Automatic manifold detection
- c) 8 or 12 channel manifold
- d) Plate carrier auto cleavable and also can be sterilized
- e) Equipment should be capable of using compatible bottle or container (should be supplied with additional 4 bottles)
- f) Volume of wash liquid dispensed 50 to 350  $\mu$ l with 50  $\mu$ l increment
- g) Suitable for UV & flat bottom micro plate etc.
- h) Residual volume per well < 2  $\mu$ l
- i) Waste bottle with fluid sensor should be provided

j) **Product Certification:**

CE (Declaration of Conformity on compliance with In Vitro Diagnostic Device Directive (IVD) - 98/79/EC)

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.

k) **Quality Certification:** ISO certificate

**3. Micro Pipettes\***

- a) Fully auto claveable with tip rejecter
- b) Control button shall be operated by very low operating force
- c) Ejector shall be operated by very low operating force
- d) Should have two auto claveable trays

NOTE – i) Should provide calibration certificates from NABL accredited agency every year during warranty & CMC period.

ii) Calibration cost will have to be borne by the supplier.

- The following set of Micropipettes should be supplied with each ELISA Reader & Washer

SL.NO.	MICROLITRES ( $\mu$ L)	Quantity
1	2 – 10 $\mu$ L	2
2	10–100 $\mu$ L	2
3	100 – 200 $\mu$ L	2
4	200 – 1000 $\mu$ L	1
5	Adjustable 8 channel (40-300 $\mu$ L)	2

- Capability and Reproducibility of the Micropipettes:

SL.NO.	MICROLITRES ( $\mu$ L)	ACCURACY	REPRODUCIBILITY
1	2-10 $\mu$ L	$\pm$ 1%	1% - 0.5%
2	10-150 $\mu$ L	$\pm$ 1%	1.5% - 1%
3	100-1000 $\mu$ L	$\pm$ 1%	0.5 – 0.4%

NOTE: The combination of micropipettes in terms of set has been given from 2  $\mu$ L. to 1000  $\mu$ L., which is indicative in nature. Any other combination to cover this volume may be considered.

e) **Product Certification:**

CE (Declaration of Conformity on compliance with In Vitro Diagnostic Device Directive (IVD) - 98/79/EC)

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.

**\*The micropipettes may or may not be from the same manufacturer of ELISA Reader and Washer, but they must comply with the tender specification (Sartorius / Pipettman / Biohit / Eppendorf/ Thermo fisher / Gilson)**



## Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited  
Swasthya Sathi  
GN-29, Salt Lake, Sector-V  
Kolkata-700091

Phone No (033) 40340308/319

E mail: [procurement@wbmsc.gov.in](mailto:procurement@wbmsc.gov.in) / [mp@wbmsc.gov.in](mailto:mp@wbmsc.gov.in)

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- 165 /2018

Dated- 10.08.2018

The following amendments have been made in the tender document,

### **Amendment-I**      **(Applicable for Schedule VI)**

## **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 have touch screen facility
- Should have sample dispense alarm

- Should have homogenization or any other facility to have an uniform reconstituted reagent or sample
  - Should generate the standard curve for factor assays.
  - Provide reagent (PT, APTT, Fibrinogen along with CaCl<sub>2</sub>, OVB & standard human plasma & bilevel control & necessary cuvettes) for a single run of 10 tests per month 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