

## Notice Inviting e-Tender

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SUPPLY OF SNCU EQUIPMENTS IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-22/2016

Dated – 11.05.2016

The following amendment has been made in the technical specifications,

### Amendment – I

(In Page: 35-36)

#### SCHEDULE – III

##### Single Beam Bilirubinometer

1. Specimen required for measurement of bilirubin : whole blood
2. Specimen volume: 60  $\mu$ l
3. Type: benchtop
4. Measurement technique: photometric
5. Sensor: silicon photo-diode
6. Optic filter: 455 nm & 575 nm
7. Output range: 4 - 30 mg/ dl or 70 - 500 umol / l
8. Measurement resolution:  $\pm$  0.1 mg/ dl
9. Power: 220 - 240 VAC/ 50 Hz
10. Bilirubin measured: Total
11. Measurement time: 2 sec
12. Display: LED
13. Should be supplied with
  - a) Microhematocrit centrifuge with a maximum speed of 13300 RPM, a timer of 99 min at 1min interval with noise level < 50 dBA (01)
  - b) Accessories of centrifuge machine: carbon brushes (04), rotor head (01), microhematocrit reader (01)
  - c) Heparinized capillaries-1000 pieces
14. Equipment should be CE or US FDA approved.
15. It should have warranty for 5 years and CMC for another 2 years.
16. External calibration should be done once in three months during warranty periods. Cost for external calibration should also be included in CMC.

17. Mention the cost of the following consumables in form 10 (b):
- a) Carbon brush
  - b) Internal battery if any
  - c) Sensor
  - d) Optic filter (both)
  - e) Lid cover
  - f) Rotor head

### MICROCENTRIFUGE

1. It should be a digital microcentrifuge designed for small sample volume.
2. It should have sturdy and durable metal housing.
3. It should have auto-balancing system.
4. Maximum rotor speed should be 12000 RPM.
5. It should have safety interlock that can prevent the lid from being opened during operation.
6. It should be equipped with forced fan air convection that prevents the motor from overheating.
7. It should have a precision digital timer that can be set from 0 to 15 minutes at 30 sec. increment.
8. It should have LED digital display that enables user to monitor the present speed or the remaining time.
9. It should have automatic brake system for rapid deceleration.
10. The lid can be opened automatically once the rotor stops spinning.
11. It should accommodate micro or microhematocrit rotors.
12. Should be supplied with lid cover (01)
13. It should comply with quality certificate: ISO9001, 13485
14. It should be CE approved.
15. It should have warranty for 5 years and CMC for another 2 years.

***Note: The estimated number of Bilirubin test in each Medical College is 30 per day.***