



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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**SUPPLY OF BILIRUBINOMETER WITH MICROCENTRIFUGE IN THE HOSPITALS AND
MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL**

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-202/2018

Dated -01.10.2018

The following amendment has been made in the tender document,

Amendment – II

REVISED TECHNICAL SPECIFICATIONS

Single Beam Bilirubinometer

1. Specimen required for measurement of bilirubin : whole blood
2. Specimen volume: 60 μ 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: ± 0.1 mg/ dl
9. Power: 220 - 240 VAC/ 50 Hz
10. Bilirubin measured: Total
11. Measurement time: 2 to 10 sec
12. Display: LED/OLED
13. Should be supplied with
 - a) Accessories of centrifuge machine: carbon brushes (04) [if applicable], rotor head (01), microhematocrit reader (01)
 - b) Heparinized capillaries-1000 pieces
14. Equipment should be European 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. Accuracy should be $\pm 2\%$
18. Bilirubinometer should be supplied with inbuilt printer and 5 sets of printer roll. Price of Printer roll should be mentioned separately in Form 10(a).
19. 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. Rotor speed should be at least 12000 RPM.
 5. It should have safety interlock that can prevent the lid from being opened during operation.
 6. Overheating of motor should be prevented.
 7. It should have a precision digital timer that can be set from 0 to 15 minutes at 1 min. 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/ through switch 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.*