



Notice Inviting e-Tender

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

Phone No (033) 40340307/320
E mail: procurement@wbmsc.gov.in

**Supply and Commissioning of Medical equipment for the District Integrated
Public Health Laboratory
(Discipline-Microbiology)
(Submission of Bid through *online*)**

Bid Reference No.: WBMSCL/NIT-503/2023

Dated-24.08.2023

Amendment-I

REVISED TECHNICAL SPECIFICATION

Item No-1

Centrifuge table top (swing out) with 8 tubes upto 4000 RPM

- 1) Rotor capacity 24 (or more) x 5 ml swing out.
- 2) Maximum speed should be 4000 rpm or more
- 3) Power supply 230 volt +/-10v, 50 Hz AC
- 4) Should have automatic rotor identification
- 5) Should have stainless steel centrifuge chamber
- 6) Brushless induction motor with variable frequency drive
- 7) Microprocessor controller with digital display
- 8) Stable speed output even under unstable voltage condition
- 9) Smooth and soft start, low temperature rise
- 10) LCD/ LED display of speed
- 11) Digital countdown timer and continuous run
- 12) Safety lid interlock to prevent lids opening during centrifugation
- 13) Imbalance detection and centrifugation stop with display of error
- 14) Dynamic break for quick declaration
- 15) Motor over head protection
- 16) Gas hinge to prevent door falling
- 17) Emergency lid lock release
- 18) Should have two (02) year warranty
- 19) Certification: CE / EC / UK Cert / US FDA / BIS

Item No-2
Hot plate for culture media preparation

1. Stainless Steel MS powder coding Body
2. Shape: Rectangular / circular
3. Glass ceramic area : 235 mm or more length/ Dia.
4. Digital PID controller
5. Temperature control: 200 degree Celsius
6. Surface Temperature: 250 degree Celsius
7. Power requirement: 220V single phase, power consumption ≤ 1 KW
8. Chemical resistance & temperature uniformity
9. Certification: CE / EC / UK Cert / US FDA / BIS

Item No-3
Microcentrifuge Machine (up to 14,000 RPM)

1. It should be a digital microcentrifuge designed for small sample volume.
2. It should have sturdy and durable metal housing(SS 304 grade).
3. It should have auto-balancing system.
4. Rotor speed should be up to 14000 RPM.
5. Should accommodate **at least 24 place** x 2.0/0.5mL rotor with screw-on lid microtubes
6. It should have safety interlock that can prevent the lid from being opened during operation.
7. Over heating of motor should be prevented.
8. It should have a precision digital timer that can be set from 30 Sec to 15 minutes at 1 min. increment.
9. It should have LCD/ LED digital display that enables user to monitor the present speed or the remaining time.
10. It should have automatic brake system for rapid deceleration.
11. The lid can be opened automatically/ through switch once the rotor stops spinning..
12. Should be supplied with lid cover (01)
13. Certification: CE / EC / UK Cert / US FDA / BIS.
14. It should have warranty for 2 years.

Item No-4
Micro incinerator/ Electric sterilizer for inoculating loops & needles

1. Max temperature : 800° c or more
2. **Vendor must provide 24 Nos. Nichrome wire loops with handle**
3. Chamber: ceramic

4. Power requirement: 220 V AC Single phase,
5. Average cycle time (minutes): 0.1 to 0.2
6. Warranty 02 years.
7. Certification: CE / EC / UK Cert / US FDA / BIS/ ISO