



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

Procurement of Different Medical Equipment for Calcutta National Medical College &
Hospital

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-028/2025

Dated-09.01.2025

AMENDMENT-I

Section IV. Schedule of Requirements

Schedule-I

Automated Electrophoresis system

Parameters:

- Serum Protein, Urine protein Electrophoresis, Immunotyping
- Hemoglobin Electrophoresis (adult/pediatric blood)

Sample types:

- Whole blood
- Serum
- Urine

Throughput (tests/hour):

1. PROTEIN (Electrophoresis)(serum): 20 or more
2. HEMOGLOBIN (Electrophoresis): 7 or more

Bar Code Reader: High resolution built-in barcode reader

Ergonomics:

- One workstation to pilot the instrument and manage results
- Bar-coded rotating sampler

- Sampling from open and capped tubes (cap piercing)
- Efficient mixing system with multiple sample inversions
- Dedicated workstation to both pilot the instrument and manage results
- Continuous sample loading

Power Requirements: 110-240 Volt AC, 50/60 Hz

Dimensions: Must be table top

Software component:

- Intuitive and user friendly interface
- Multi criteria search function

Quality Control:

Must have provisions for:-

- Quality control
- QC materials
- Quality control chart monitoring

Ups: Should be supplied with online pure sine-wave UPS with 30 mins. backup.

Should submit valid CDSCO Certificate/ Registration/ License for both the manufacturer(s) and importer(s) as applicable.

Schedule-II

Electrolyte analyser

Parameter reported: Na, K, Cl, Li, iCa

Sample type:

- Whole Blood
- Serum
- Plasma
- Urine

Analysis time: Up to 60 sec

Data storage: 125 patients

Type: Table Top

Electrodes / Biosensor:

- Electrodes / Biosensors should be separate for Na, K & Cl, Li
- Electrodes / Biosensors should be maintenance free.

Sample volume: Up to 100µl

Computer connectivity: It should have a RS-232 / Other advanced serial ports for computer connectivity.

Calibration: It should have automatic calibration as well as user controlled manual calibration option

Stand-by mode: Stand-by mode should be user controlled as well as automatic.

Ups: Should be supplied with online pure sine-wave UPS with 30 mins. backup.

Power supply: AC: 220V \pm 10V, 50 Hz.

Should submit valid CDSCO Certificate/ Registration/ License for both the manufacturer(s) and importer(s) as applicable.

Schedule-III

Digital Lense Meter

1. Should measure sphere range from -25 to +25
2. Should measure cylinder range from 0 to $\pm 10D$
3. Should measure Axis range from 1 to 180 degree in steps of 1 degree.
4. Should measure Prism range from 0 to 10
5. Should measure addition range from 0 to +10D
6. Should have a wave length of 535 to 660nm
7. Should measure lenses like glass lens, hard/soft contact lenses
8. Should have lens size maximum 10mm
 - a. Should have spectacle lens size 20 to 108 mm
9. Should have minimum 3.5 inch LCD/ LED colour monitor with touch screen. Should have memory function too.
10. Should be supplied with thermal printer/ink type
11. Should operate from 200 to 240v/50Hz Power supply
12. Should have UV tester, PD measuring, Auto progressive Lens measuring, distortion check
13. Should submit valid CDSCO Certificate/ Registration/ License for both the manufacturer(s) and importer(s) as applicable.

Schedule-IV

Phaco Emulsification Machine

1. Machine should have Peristaltic Digital Pump

2. Machine should have Closed Fluidic System
3. Machine should have Aspiration: 0-50 cc/min
4. Machine should have a capacity to built vacuum at least up to of 500 mm HG
5. Machine should have Vacuum and Aspiration Control – Programmable Linear control or Panel Control Reflux
6. Machine should have Reflux technology
7. Machine should have Venting technology
8. Machine should have Auto Tuning Mode
9. Machine should have Ultrasound Frequency minimum 28 KHz.
10. Machine should have Pulse frequency setting and duty cycle adjustable option
11. The machine should have micropulse (minimum 40 - 100 pulses adjustable) in pulse mode of ultrasound power delivery system)
12. Machine should have the good Chamber Stability
13. Irrigation tube compatible with normal intravenous infusion set of regular hospital supply
14. Machine should have both reusable & disposable tubing option
15. Machine should have Aspirating Cutter Vitrectomy probe, Re-usable, Oscillating & Autoclavable / ETO Sterilization.
16. Should have occlusion mode & cold phaco (micropulse system)
17. Minimum vitrectomy cut rate (to be displayed in the machine) should be 1000 cut / min or more
18. Should have pneumatic cutter. Extra 10 (ten) pieces of anterior vitrectomy cutter should be supplied
19. Machine should have lightweight phaco handpiece-4 crystal or more
20. Machine should have Diathermy
21. Machine should have Colors LCD/ LED Display
22. Surgeons settings should be stored in the memory of the machine (min. individual 18 settings)
23. Programmable Foot Pedal should be present
24. Facility of Glaucoma Surgery (upgradable)
25. Facility of High Frequency Capsulotomy
26. Should submit valid CDSCO Certificate/ Registration/ License for both the manufacturer(s) and importer(s) as applicable.