



## 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)

Procurement of Medical Equipment for Medical College and Hospital

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 118 /2020

Dated-24.07.2020

### AMENDMENT-I

## TECHNICAL SPECIFICATIONS

### Schedule - I

#### High-End Vitrectomy Surgery Machine

1. Should have the facility to generate direct venturi vacuum of up to 650 mm Hg through cassette system having 2 independent aspiration ports.
2. Should have the capacity to compensate the infusion pressure constantly with results in a more stable IOP.
3. Should have the 3-D technology to linearly control vacuum and cut rate simultaneously in vitrectomy mode.
4. Should have the facility to allow surgeon to select from 3 different duty cycle options at any given cut rate for more control and precise cutting near retina **or similar mechanism**.
5. Should have the ability to drive vertical guillotine vitrectomy cutter to go up to 5000 cuts to 20,000 cuts/min.
6. Should have the capacity to monitor infusion pressure constantly.

7. The system should have two Xenon Illuminators with four ports. The System should recognize the gauge of illuminator connected and adjust the illumination accordingly.
8. The system should have the facility to monitor the bulb life, to avoid surpusses.
9. Should have the capacity to support MIVS options like 23 G, 25 G AND 27 G.
10. The System should have Vented Gas Forced Infusion Capability.
11. The System should have the Automated Silicon Oil Injection Capability.
12. Should have the fully programmable footswitch with the facility to change procedural modes through footswitch.
13. Should have the facility of regular fixed diathermy.
14. Should have the facility to digitally control the infusion pressure and the facility to toggle between a regular infusion pressure and an higher alternate pressure (to achieve tamponade effect) with the help of footswitch.
15. Should have the facility for the extrusion of sub retinal fluid.
16. Should have the facility of voice re - confirmation.
17. Should programmability to store various parameters.
18. Should have the facility of fragmentation with the help of 4 crystal ultrasound light weight hand - piece.
19. Should have a Bar - Code Scanner to identify the gauge of the vitrectomy cutter and populate it in the consumable list.
20. The system should have Auto Fluid / Air Exchange; No stop - cock.
21. The System should have Auto Gas Fill (C3F8 and SF6) option.
22. Should have the facility of Proportional Reflux.
23. Alarm for infusion fluid change
24. Should have inbuilt 532 nm green laser.
25. European CE ("Conformite Europeene") or US FDA Certificate or BIS



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## AMENDMENT-I

## TECHNICAL SPECIFICATIONS

### Schedule - II

#### Automated Perimetry

- High quality goldman standard automated perimeter with bowl size 30cm
- Maximum intensity 10,000A\$b, Bowl illumination 31.SAsb
- USB drive, Internal hard disk drive
- Stimulation duration 200ms, wavelength Broad band visible light
- Stimulus/Background colour White on White, Blue on yellow (SWAP)
- Maximum temporal range 90Deg.Suitable for central 30 as well as full field testing
- Central field test patterns 30-2, 24-2, 1 0-2, Macula
- Peripheral field test pattern 60-4, Nasal Step

- Threshold test strategies full threshold, Fast Pac, SIT A or equivalent
- Glaucoma Progression Analysis software (GPA)
- Structure (RNFL) and Function loss common print out when attached with OCT.
- Screening field test P-60, FF-BO, FF-120, FF-240, Nasal Step for periphery.
- Screening test strategies Two zone, Three Zone and Quantify Defects
- Upgradable to Kinetic Testing or in-built, Custom Test
- Stimulus Size I-Vas per Goldman standards
- Glaucoma hemi field test, Heijl-Krakau blind spot monitor or Automatic eye tracking.
- Video eye monitoring, Trial Lens Holder, upgradable to Gaze tracking System
- Motorised chinrest, Original Manufacturer Motorised table with Laser Jet Printer
- System should have VISUAL FIELD INDEX Capabilities
- System should be compatible with all printer
- System should be compact in design both patients module and processing system are incorporated
- System preferably having capabilities to produce combine report with OCT and Fundus Camera.
- European CE (“Conformite Europeene”) or US FDA Certificate or BIS



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### TECHNICAL SPECIFICATIONS

#### Schedule - III

#### Computerised Tonometer with Pachymeter

1. It should have ocular pressure measurement facility with measuring range of 1-60 mm of Hg in different cases **in non contact method**.
2. It should have Corneal Thickness measurement facility in pachymeter device with measuring range of 0.4-0.75mm (0.001 mm step)
3. It should have standard LCD monitor with touch panel.
4. It should have data transport terminal with USB port, RS232 (Export), LAN (Export) as appropriately required for connectivity
5. It should have standard weight.

6. It should have table top motorised stand.
7. It should have standard  $220 \pm 5$  V AC power supply
8. European CE (“Conformite Europeene”) or US FDA Certificate or BIS



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## AMENDMENT-II

### Section I: Instructions to Tenderers

#### A. Important information at a glance

5 (a) Time for Supplies & Commissioning of work from the date of issuance of Award of Contract

Schedule	ITEM	Time
I	High End Vitrectomy Surgery Machine	42 Days
II	Automated Perimetry	42 Days
III	Computerised Tonometer with Pachymeter	42 Days