



## 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  
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**Procurement of Ophthalmic Equipments under NPCB & VI for Hospitals of  
Government of West Bengal**

Bid Reference No.: WBMSCL/NIT-500/2022

Dated-21.11.2022

## Amendment-II

### **Section I: Instructions to Tenderers**

#### **A. Important information at a glance**

(The item suffixed by "E" in bracket indicates Eligibility Criteria for a bidder)

##### **1. Tender Schedule Details**

Item No	ITEM	QTY	Warranty
4	Surgical Set	285	2 Years

## Amendment-III

Item: Trial Box with Trial Frame (Portable) has been cancelled.

## Amendment-IV

### Section I: Instructions to Tenderers

#### A. Important information at a glance

(The item suffixed by "E" in bracket indicates Eligibility Criteria for a bidder)

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

Item No	ITEM	Time
1	Slip Lamp with Appanation Tonometer	50 Days
2	Direct Ophthalmoscope	
3	Phaco Emulsification Machine	
4	Surgical Set	
5	Trial Box with Trial Frame(Normal	
6	Trial Box with Trial Frame(Portable)	
7	Torch(with batteries)	
8	Specular Microscope	
9	Keratoplasty Instrument Set	
10	Instrument for Corneal excision & enucleation including Containers	

## Amendment-V

### Section IV. Schedule of Requirements

## 2. TECHNICAL SPECIFICATIONS

### 1. Slit Lamp with Applanation Tonometer

*(The items may not be from same manufacturer. The Bidder should offer the item in package)*

#### MICROSCOPE:

1. **Type:** Galien Magnification Charger with converging binocular tubes.
2. **Magnification Selection:** 5 steps by drum rotation.
3. Eyepiece: 12.5x
4. Magnification Ratio (Field of View):
  - 6x (minimum 35.1 mm)
  - 10x (minimum 22.5 mm)
  - 16x (minimum 14.1 mm)

- 25x (minimum 8.8 mm)
- 40x (minimum 5.6 mm)

#### **SLIT ILLUMINATION:**

5. **Slit Width:** Continuous from 14 mm to 0 mm (at 14 mm, slit becomes a circle).
6. **Slit Length:** Continuous from 14 mm to 0 mm (at 14 mm, slit becomes a circle).
7. **Slit Angle:** 0 to 180 degree with horizontal scanning capability
8. Filters: Blue, Red free, Amber  
UV Cut (Normal Use), IR Cut (Normal Use)
9. Illumination Lamp: LED or Halogen lamp (6V, 20W) with light guided system -  
Required lamps are to be provided free of cost for at least 5 years

#### **BASE:**

10. Longitudinal Movement: minimum 90 mm
11. Lateral Movement: minimum 100 mm
12. Fine Base Movement: minimum 15 mm
13. Vertical Movement: minimum 30 mm

#### **CHINREST:**

14. Vertical Movement: 80 mm
15. Fixation Target: Red – LED

#### **POWER:**

16. Input (Primary): 100-120 V, 220-240 V AC
17. Frequency: 50/60 Hz

#### **Applanation Tonometer**

- a) Measuring Force: generated by leverage weight
- b) Measuring Range: 10-80 mm Hg
- c) Measuring divergence: of the force impingement on the measuring prism over a measuring range from 0-58 84mN
- d) Standard divergence:  $0.49 \text{ mN} \pm 3s \pm 1.5\%$  of rated value
- e) Reverse span:  $\pm 0.49 \text{ mN}$
- f) 3 prism cone tips available
- g) Direct reading from scale
- h) Accurate calibration system

#### **Accessories**

1. Soundless Motorized Table.

#### **Safety & Standard**

European CE (4 digit notified body)/ US FDA/ BIS

### **3. 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. Machine should have both reusable & disposable tubing option
14. Machine should have Aspirating Cutter Vitrectomy probe, Re-usable, Oscillating & Autoclavable / ETO Sterilization.
15. Should have occlusion mode / similar technology & cold phaco ( micropulse system)
16. Minimum vitrectomy cut rate (to be displayed in the machine) should be 1000 cut / min or more
17. Should have pneumatic cutter
18. Machine should have lightweight phaco handpiece-4 crystal or more
19. Machine should have Diathermy
20. Machine should have Colors LCD/ LED Display
21. Surgeons settings should be stored in the memory of the machine
22. Programmable Foot Pedal should be present
23. Phaco Stand should be supplied.
24. **Safety & Standard**  
European CE (4 digit notified body)/ US FDA/ BIS

#### 4. Surgical sets (Cataract, Glaucoma surgery and Squint surgery)

*[Bidder should offer all the item in a package]*

##### (a) Surgical sets of cataract (Stainless Steel)

1. Wire speculum.
2. Libermann adjustable speculum.
3. Superior rectus forceps.
4. Small needle holder for bridge suture.
5. Lim's forceps (85mm length, 5mm platform).
6. St martin forceps.
7. Conjunctival spring scissors.
8. Vanuss scissors (angled), 85 mm length 6 mm cutting tip.
9. Sinskey hook (length 120mm, 10mm angulation).
10. Angled serrated wire vectis.
11. Irrigating vectis (23 g, 4mm width, 7mm long, 3 irrigating port).
12. Biway cannula (21G, 22G, 23G).
13. McPherson forceps (110mm length, 11mm angulation).
14. Utrata's forceps.
15. Barraquer's needle holder (115mm).
16. Suture tier forceps **both straight and curved** (metal, length 110mm, platform 6mm).
17. Iris Repositor (length 110mm, angulation 10mm, width 0.5mm)
18. CTR Ring (material-PMMA, Normal Size-12mm, Compressed size-10mm, Fixation hooks-both side).
19. AC cannula (Metal, 8mm angulation blunt tip 21 G-27G)
20. Chopper (Phaco blunt and sharp).
21. Wet field cautery **machine with cord and forceps.**

##### (b) Instrument for glaucoma surgery

1. Kelly's descemet's membrane punch forceps (Standard size).
2. Colibri forceps
3. Castroviejo corneal scissors.
4. Bard-Parker handle
5. Harms trabeculotome
6. Tooke's knife

7. Barkan's goniotomy lens
8. Goniotomy knife
9. Scieral punch
10. De Weker's scissors
11. Iris forceps

**(c) Instrument for squint surgery**

1. Castroviejo caliper
2. Knapp strabismus scissors
3. Non toothed dissecting forceps, (115 mm length)
4. Tissue forceps (long and short)
5. Upper lid retractor (Desmarre's)
6. Tancaster eye speculam
7. Graefe muscle hook size 1
8. Jameson muscle hook, large
9. Jameson muscle forceps, left
10. Jameson muscle forceps, right
11. Woth advancement forceps
12. Stevens tenotomy scissors
13. Arruga needle holder
14. Fixation forceps (2:3)
15. Plain dissecting forceps (without teeth and fine serration)
16. Bulldog clamp

**7. Torch (with Batteries)**

- Fine led / halogen torch
- Led: Cree xml q5
- Switch: tail switch
- Body: aluminum / plastic
- Size: 252 mm(l) head dia 47 mm, body -27mm
- Beam distance : 250 meters
- Battery - 2 nos. / Rechargeable Battery

## **10. Instruments for Corneal excision & enucleation including Container**

One set consists of the following:-

1. Universal eye speculum	1
2. Squint hook	1
3. Blunt scissors	2
4. Curved scissors	2
5. Enucleation scissors	2
6. Mc. Pherson forceps	1
7. Barraquer needle holder	1
8. St. Martin forceps	1
9. Suture tying forceps both straight and curved	1
10. Wire speculum	4
11. Container for carrying collected eyes	4



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## Amendment-VI

# Section I: Instructions to Tenderers

## A. Important information at a glance

(The item suffixed by "E" in bracket indicates Eligibility Criteria for a bidder)

### 3. Earnest Money Deposit (EMD) (E)

Item No	ITEM	AMOUNT IN INR	INSTRUMENT
1	Slip Lamp with Applanation Tonometer	Rs. 3,00,000.00	Online
2	Direct Ophthalmoscope		
3	Phaco Emulsification Machine		
4	Surgical Set		
5	Trial Box with Trial Frame(Normal)		
6	<del>Trial Box with Trial Frame(Portable)</del>		
7	Torch(with batteries)		
8	Specular Microscope		
9	Keratoplasty Instrument Set		
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## Amendment-VII

**BOQ has been revised**