

SAST/CLPC/ACU-BGSMCH/ 191 /2025-26

Date: 08-12-2025

**TENDER NOTIFICATION**

The Head, CLPC, Sri Adichunchanagiri Shikshana Trust invites closed tenders from eligible tenderers or bonafide licensed manufacturer (OEM) or their authorized local supplier/ dealer/ distributor in the state of Karnataka for the **Procurement of Equipment's for the department of Ophthalmology at BGS MCH Hospital, Nagarur, Nelamangala.** as per section I & II.

01	Name of the work	Procurement of Equipment's for the department of Ophthalmology at BGS MCH Hospital, Nagarur, Nelamangala.
02	Last Date for Tender Submission	On or before 25.12.2025 before 5.30 PM

**Section-1****Instructions to Tenderers**

- The Tenderer shall submit the bids (Technical & Financial bids) through the mail id: **clpchead@bgscet.ac.in** on or before the last date of tender submission (for any or all list of items) on professional business letterheads only. The details to be printed on the letter head is as follows
  - Tender for Procurement of Equipment's for the department of Ophthalmology at BGS MCH Hospital, Nagarur, Nelamangala.
  - Tender Reference number.....[Insert Number]
  - Address to "The HEAD, CLPC, Sri Adichunchanagiri Shikshana Trust, BGSCET Campus, Mahalakshimpuram, Bengaluru – 560086"
  - The tenderer shall submit the original documents to this office on the last day of submission for verification who prefers to submit the tender through Post can dispatch the same through Registered post / Speed post or Couriers as to reach the above address on or before the due date and time specified in the Tender Notice. Tenders received after the due date and time, for what so ever reasons will not be considered and the authority, Head of CLPC will not be liable or responsible for the same.
- Tender Currency:** Prices shall be quoted in Indian Rupees only.
- AMC/CMC (IF ANY)** is subject to the Sri Adichunchanagiri shikshana trust's norms.
- Warranty:** 3 years.
- Amendment of tender documents:** At any time prior to the deadline of submission of tenders the trust may, for no reason, whether as its own initiative or otherwise modify the tender documents by amendment. Sri Adichunchanagiri Shikshana Trust reserves all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.





- 6) **Documents Comprising the Tender:** Shall attach Brochure, Certification of the product, Bank/account details, PAN, GSTIN, Good Standing Certificate and 02 years of ITR declaration inside the envelope and the company contact details with email id on the in the below mention format in annexure - 1.
- 7) **Tender Prices:** Prices indicated on the price schedule shall be entered separately I.e. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and the other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if the contract is awarded. Conditional tenders will not be considered. The bidder has to give the quotation in the below enclosed format in annexure - 2.
- 8) **Validity of the Bid:** 90 days from the last date of submission of bid.
- 9) **Corrupt or Fraudulent practices:** Sri Adichunchanagiri Shikshana Trust requires that the tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In purchase of this policy:
  - a) Will reject a proposal for award if it determines the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
  - b) Will declare a firm ineligible, either indefinitely or for the stated period of time, to be awarded a university contract if it any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a trust contract.
- 10) **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of tenders and recommendations for the award of contract will not be disclosed to tenderers or any other persons not officially concerned with such process until the award to the successful tenderer has been announced. Any effort by a tenderer to influence the employer's processing of tenders or award decisions may result in rejection of his tender.
- 11) **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of tenders the employer may, at his discretion, ask and tenderer for clarification of his tender, including breakdowns of unit rates. The request for clarification and the response shall be writing or by cable, but no change in the price or substance of the tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the employers in the evaluation of the tenders.
- 12) **Delivery:** The successful BIDDER should commence the service as per the tender document/work or purchase order. For any queries or assistance, please write to [clpchead@bgscet.ac.in](mailto:clpchead@bgscet.ac.in) or telephone to +91-8123707324.
- 13) **Penalty Clause:** Non-execution of supply order – for the reasons of failure to supply partially or completely within the stipulated time or any event of breach of contract. In case at any following stages
  - a) For the delayed supply (3 days of grace period) – 5% deduction
  - b) Quantity issues – 5 % deduction
  - c) Quality issues – 10% deduction

**Section-2****Technical Specification**

SL. No	Particulars	Total Quantity in Nos.
1.	Slit Lamp with Imaging	2
2.	Operating Microscope	1
3.	Unit chair with accessories	4
4.	B scan	1
5.	Optical coherence tomography with fundus camera	1
6.	Green Laser	1
7.	Non-contact Tonometer with Pachymeter	1
8.	Visual field Analyzer	1
9.	Lensometer	1
10.	ND: YAG Laser	1

**1. Specifications for Slit Lamp with Imaging****Microscope Unit**

Microscope : Galilean Magnification change :  
 3-step Drum Rotation Eye piece : 12.5x  
 Magnification Steps : 10x, 16x, 25x  
 Field of view : 27mm, 16mm, 11mm  
 Pupillary Distance : 50-80  
 Diopter Adjustment range: -8D to +8D

**Illumination Unit**

Slit Width : 0-14 mm continuous  
 Slit length : 0-14 mm continuous  
 Slit Apertures : Ø 14, 10, 6, 4, 3, 1, 0.2 mm  
 Slit Angles : 0°-180°  
 Slit Inclination : 5°, 10°, 15°, 20°  
 Filter : Heat absorbing, Green & cobalt blue  
 Illumination Type : LED - 3.4v, 1W

**Base Unit**

Longitudinal In/Out : 99mm



Lateral (Left/Right) : 118mm  
Vertical (Up/Down) : 30mm  
Chin rest range : 117mm

**Camera**

Image sensor : 12 mega pixels  
Photo Resolution : 4056X3040  
Format : JPEG  
Frames : 30fps  
video Format : H264  
Transmission Interface: USB 3.0

**Software Requirements**

Monitor: 22" DELL MONITOR  
Capture: JOYSTICK AND SOFTWARE TRIGGER  
CPU: Inbuilt PC with 8gb ram, 240gb hard drive, WI-FI and blue tooth  
Software: MIPS

**2. OPHTHALMIC OPERATING MICROSCOPE with XY****MICROSCOPE BODY:**

Motorized zoom system with zoom ratio 1:6 magnification factors : 0.4x-2.4x with apochromatic optics,  
-Front-to-back tilt facility with handgrip  
-Integrated swing-in halogen mode filter, eye protection filter and colour rendition filter by rotating knob  
-Motorised fine focusing, activated by a foot control panel, fine focusing range : 48 mm or more  
-Illumination angles :  $2^{\circ}$  (for rich and homogeneous red reflex) and  $6^{\circ}$  (for depth of field enhancement, switchable by rotating knob  
-Total magnification : 4.3x...25.5x or more, Visual field diameter : 53 mm...9 mm or more

**BINOCULAR TUBE:**

180° tiltable binocular tube  $f=170$  mm, interpupillary distance adjustable from 55mm to 75mm ,  
-Graduated knob(s) for adjustment of interpupillary distance from 55 mm to 75 mm or more  
Integrated Assistant Interface to attached Assistant scope

**EYEPIECES:**

-Pair of high-eyepoint widefield push-in (magnetic) eyepieces 12.5x  
-Diopter setting from -8D to +5D or more, also suitable for spectacles wearers

**XY Coupling:**

60mm x 60mm Range

**OBJECTIVE LENS:**

- High-quality objective lens with apochromatic optics and focal length of 200 mm
- Mount diameter 65 mm or more

**ILLUMINATION SYSTEM :**

- Coaxial LED light source with four independent LEDs, colour temperature of 4,500 K (daylight characteristics), guaranteed life of 50,000 working hours

**FOOT CONTROL PANEL :**

- Waterproof foot control panel with 12 functions or more, control switches for on/off, increase and decrease of intensity, fine focusing

**FLOOR STAND :**

- Rollable floor stand on base with lockable castors, column with height of 1.70 m or more, carrier and swivel arms with a reach of 1.0 m or more
- Rotation angle (around column/carrier arm) : 360 degrees and +/-150 degrees or more
- Swivel height of suspension arm : +/-0.30 m or more
- Suitable for connection to 230V 50 Hz single phase mains supply

**STANDARD ACCESSORIES:**

- Dust cover, mains cable 6.0 m, asepsis caps for all control knobs

**Optional:**

Assistant Scope with 3 step magnification

Camera Attachement :

Integrated 1-chip HD camera (1080p) , Camera control unit (CCU) should integrate into suspension system

**3. Refraction Unit with Accessories****Specifications**

Detail Measurement

Seat minimum height 550 mm

Seat Maximum height 710 mm

Up & down stroke 160 mm

Seat rotation 0 to 180°

Back & forward movement 95° to 175°

Net Weight 189 Kg

Load Lifting 200 Kg

Motor 24 V DC

Stabilizer required 1Kva min

Minimum area required 8' X 10'

Optional/convenient Left side stand is also available for

Standard colors available Blue, Grey, Maroon, Green, and Black

**Electrical Specifications**

Detail Specification

Power Supply AC 110/230V 60-50Hz fuse 5 A slow blow

Power in VA 350 VA

**Standard Accessories**

Foot switch control for chair up &amp; down

Head rest

LED Vision Chart

Overhead reading lamp

Trial lens set tray with trial frame

**4. B SCAN MACHINE**

Display Mode: B, B+A

Scanning Angle: 53°

Display Depth Adjustable Range: 10MHz: 28mm ~ 60mm.

Variable Delayed Depth: 10MHz: 0 mm ~ 15 mm.

Gain Control Range: 1-105dB

Total Gain Control: -20dB ~ 20dB dynamic range, manual sectional adjustment (6-section adjustable)

Grey Scale: 256 Levels

Frame Rate: 10 fps

Image Saving: 100 images

Dynamic Loop: 10s/100 images, loop or frame by frame playback

Image Processing and Signal Post-Processing: Frame-Averaging, Pseudo-Color Codes, and Gamma Correction

13. Axial Resolution:

a. 10MHz Probe: No more than 0.1mm.

14. Lateral Resolution

a. 10MHz Probe: No more than 0.2mm.



**5. Optical Coherence Tomography with Fundus****Camera**

Oct Scanning

Axial resolution: 5  $\mu$ m (in tissue)Transverse resolution: 15  $\mu$ m (in tissue)

Scan speed: 27,000 - 68000 A-Scans per second

A-scan depth: 2.0 mm (in tissue), 1024 points

Optical Source: superluminescent diode (SLD), 840 nm

Fundus Imaging

Live OCT Fundus

Transverse resolution: 25  $\mu$ m (in tissue)

Optical source: : superluminescent diode (SLD), 750 nm

**Field of view at least or higher: 36degree x 22degree**

Scan Patterns

Macular Cube 200 x 200 Combo: 200 horizontal scan lines comprised of 200 A –scans

Macular Cube 512 x 128 Combo: 128 horizontal scan lines comprised of 512 A0scan

**5 Line Raster: 4096 A-scan per B-scan** (adjustable length, spacing and orientation)**5 Line HD scan.****HD21 Line Raster,****HD Raster,****HD cross,****HD 1 Line 100x**

Software/ Normative Data FDA approved normative database for RNFL, ONH & MACULA.  
Macula thickness analysis and Macula change analysis. RNFL Thickness analysis and. Guided  
progression analysis (GPA) for RNFL & ONH. C- Scan visualization and 3D display.

Enhance depth imaging (EDI). Auto fovea finder, auto Disc center for Glaucoma. Single eye  
combined report of Macular thickness and RNFL thickness . Combination report of RNFL and  
Ganglion cell deviation maps. Percentile value for each sector thickness analysis

Anterior Chamber Scan with scan depth of 5mm or more and Scan length of 15mm or more.

Anterior Chamber measurements CCT, Anterior Chamber depth , Lens vault, Angle to angle distance

High Definition Angle scans with scan length of 5mm or more with Iridocorneal angle measurement

Wide angle to angle scan with minimum scan length of 15mm or more with measurements of angle  
opening distance (AOD) at 500mm and 750mm, trabecular iris space area at 500mm and 750mm,  
and sclera spur (SSA) angle.

High Definition Cornea scans with Refractive tools for residual stromal bed

Pachymetry Map with minimum 24 radial line scans of 8mm or more scan length

Focus Adjustment Range -20D to +20D (diopetrs)

Fixation Internal and External

Computer Windows® XP Pro

High-performance multi-core processor

Internal storage:> 1,00,000 scans

CD-RW, DVD-ROM drive

Integrated 15" color flat panel display

Pupil Size Requirement 2.0 mm(. 3.0 mm optimal for LSO)

**6. GREEN LASER**

1. The equipment should be a frequency double Yag Laser 532 nm.
2. The equipment should have power output up to 0 – 2500 mW.
3. The equipment should provide pulse duration of 10 – 3000 mW.
4. The equipment should provide pulse interval of 10 – 3000 mW.
5. The equipment should have true continuous laser pulse for max control and precision.
6. Should have optional remote control and wireless foot switch.
7. The equipment should have aiming beam of 635 nm.
8. Original Slit Lamp from the Laser manufacturer should be provided.
9. Cooling System: Whisper fan with Peltier cooling.
10. Electric power: 100-240 VA, 50/60Hz
11. The equipment should be light weight
12. Slit Lamp delivery system should be capable of delivering Laser Spot size from 50-500 Microns with precise calibrated spot size selection for accurate power delivery on the retina.
13. Laser indirect ophthalmoscope

**7. Non-Contact Tonometer with Pachymeter**

I. NON CONTACT TONOMETER	CT – 1P
1. Measurement range: 1 to 60 mmHg	YES AVAILABLE
2. Measurement Range Setting: APC40, APC60 (Automatic Puff Control), 40, 60	0 – 30 0 – 60
3. Working Distance: 11mm	8 – 12 mm Adjustable
4. Eye fixation: Inner Fixation Light	YES AVAILABLE
II. NON-CONTACT PACHYETER	
1. Measurement Range: 150 to 1300	0.4mm to 0.75mm
2. Light source: Blue LED	IR LED
3. IOP Compensation by Corneal Thickness: Automatic Calculation	ADJUSTED IOP CALCULATION AVAILABLE
4. Auto Tracking: X-Y-Z Directions	YES POSSIBLE





5. Auto Shot: Available	YES AVAILABLE
6. Auto Complete: Available	YES AVAILABLE
7. Display: Tilt able 5.7 inch colour LCD Display	8.5" Tiltable LCD Monitor
8. Printer: Thermal line printer with easy loading and auto cutter	YES AVAILABLE
9. Interface:RS-232C, LAN, USB	YES POSSIBLE
10. Power Supply:AC 100 TO 240 V,50/60 HZ	240V 50Hz
11. Power consumption:100VA	Approx. 75VA
12. Dimension/Mass:260(W)*481(D)474(H) mm/20kg 10.2(w)18.9(D)18.7(H)/44 lbs	286 ~ 326 ( W ) x 445 ~ 526 ( D ) x 466 ~ 615 ( H ) mm

## **8.VISUAL FIELD ANALYSER**

High quality Goldman standard automated full field Perimetry of International Standard with bowl size radius = 30cm

Computer & Monitor should be integrated in the perimeter (No external computer).

Stimulus size I, II, III, IV & V.

Background illumination 31.5Asb.

Maximum temporal range 80Deg.Suitable for central 30, neurological tests as well as full field testing.

Central field test patterns 30-2, 24-2,10-2, Macula , 24-2C & SITA FASTER 24-2

Peripheral field test pattern 60-4, Nasal Step, custom test.

Threshold test strategies full threshold, SITA standard, SITA Fast , Full threshold, Fast Pack, SITA FASTER

Screening field test P-60, FF-80, FF-120, FF-240,Nasal Step for periphery .

Screening test strategies Two zone, Three Zone and Quantify Defects.

Glaucoma hemi field test.

Heijl –Kraukau blind spot monitor

Video eye monitoring.

Gaze Tracking monitoring system. .

Touch screen on CRT Monitor, Keyboard & provision of external monitor & Keyboard.

Internal hard disk drive.

Stimulation duration 200ms, wavelength Broad band visible light

Stimulus/Background colour White on White.

Kinetic testing & Custom Kinatic testing.

Motorised chinrest, Motorised table, Laser Jet Printer

Glaucoma Progression Analysis ( GPA ) Software for Monitoring disease progression. With visit wise graph & Visual Field Index (VFI).

## 9. LENSOMETER

### Measurement Range

Sphere Power (SPH)  $\pm 25$  -  $\pm 25$ D (0.01/0.06/0.12/0.25D Steps)

Cylinder Power (CYL)  $\pm 10$ D (0.01/0.06/0.12/0.25D Steps)

Axis (AXI)  $0^\circ$  -  $180^\circ$  ( $1^\circ$  Steps)

ADD  $\pm 10$ D (0.01/0.06/0.12/0.25D Steps)

Prism  $0^\circ$  -  $20^\circ$  (0.01/0.06/0.12/0.25 $^\circ$  Steps)

### Measurement Mode

Cylinder Mode -, +,  $\pm$

Prism Mode Rectangular / Polar

Wave length 525nm (Green)

Lens Dia 20 ~ 110 mm

UV, BLUE Mode 0 ~ 100%

Interface RS-232C / WiFi (Option)

Interpupillary Distance (PD) model: PLM-8000PD 0 ~ 90mm (0.5mm Steps)

### Etc

Marking System Pen type

Display Monitor 5.6 inch TFT LCD (800 x 480 pixel) Touch Panel

Internal Printer Thermal line printer with Auto-Cutter function

Power Source AC 100~240V, 50/60Hz

Power Consumption 15-55VA

Size Approx. 200(W) x 250(D) x 420(H)mm

Weight Approx. 5 Kg


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**10. ND: YAG Laser**

SI No	Specification
1	Laser wavelength 1064nm.
2	Laser source: Nd:YAG laser: flash lamp-pumped, Q-switched
3	Beam profile: super-Gaussian for highly precise beam profile.
4	Optical breakdown 2- 2.7 mj or less in air.
5	Pulse duration < 4ns
6	Pulse mode: Single Pulse - 9mJ to 13 mJ ; Double pulse -18mJ to 28 mJ; Triple pulse- 29mJ to 45mJ.
8	Energy attenuation levels:20- 25 steps
9	Pulse repetition frequency Max.2 Hz.
10	Focus diameter 8- 10 micron in air.
11	Cone angle/Angle of exit aperture 16 Deg.
12	Switchable aiming beam : 4 point and 2 point Aiming beam, with 620 - 670nm wavelength. With option to change the brightness.
13	Focus offset between aiming beam and therapy beam should be upto +/- 300 um posterior & anterior focus shift in a step of 75um from 150um to 300um with fixed optics for highest precision.
14	Laser system should have option to change parameters from slitlamp, and also the option to display the parameters in eye piece.
15	Slit Lamp with 3 set magnification changer with 10x eyepieces and straight tube f=140mm with PD adjustable 50-78mm.
16	Illumination : LED with halogen effect. 5.6V,2W with continuously adjustable brightness
17	Slit width 0-14mm continuous, Length 1/3/5/9/14mm
18	Laser system should have the option of floater treatment.



**Annexure – 1****PARTICULARS OF THE BIDDER**

<b>Sr. No</b>	<b>Description</b>	<b>Details (to be filled by the responder to the Bid)</b>
1	Name of the company	
2	Official address	
3	Phone No. And Fax No.	
4	Corporate Headquarters Address	
5	Phone No. And Fax No.	
6	Web Site Address	
7	Details of Company's Registration (Please enclose copy of the company registration document)	
8	Name of Registration Authority	
9	Registration Number and Year of Registration	
10	ISO certifications and its validity	
11	GST registration No.	
12	Permanent Account Number (PAN)	
13	Company's Revenue for last 3 years (Year wise)	
14	Company's net worth for the last year	
15	Bank Details (Name, Account no., Branch, IFSC, MICR)	





**Annexure – 2**

The Bidder has to quote the rate in the Item Data available online with this bid. Details to be filled up for price bid are as below:

**The price shall be inclusive of all taxes (inclusive of GST) under the relevant Laws of India.**

SL. No	Particular	Amount In Rs. (Inclusive of All the taxes)
1	Total Cost for the Procurement of Equipment's for the department of Ophthalmology at BGS MCH Hospital, Nagarur, Nelamangala.	
<b>Total in Rs and in words –</b>		

Cost related to Supply and Installation as per Items mentioned in the Compliance sheet for technical proposal.

SL. No	Particulars	Total Quantity In nos.	Unit Rate in Rs	Total Cost in Rs.
1	Slit Lamp with Imaging	2		
2	Operating Microscope	1		
3	Unit chair with accessories	4		
4	B scan	1		
5	Optical coherence tomography with fundus camera	1		
6	Green Laser	1		
7	Non-contact Tonometer with Pachymeter	1		
8	Visual field Analyzer	1		
9	Lensometer	1		
10	ND: YAG Laser	1		
<b>Total in Rs</b>				
<b>GST % in Rs.</b>				
<b>Grand Total Amount in Rs.</b>				