

**BIDDER MUST HAVE TO SUBMITTED PART-III TECH BID PHYSICALLY IN TENDER ALONG
WITH SIGN AND STAMPED. FAILING IN WHICH, WILL BE STRAIGHTWAY REJECTED.**

(INST) (PART-III)				
PART III: TECHNICAL BID				
NAME OF ITEM: OCULAR COHERENT TONOGRAM MACHINE			TENDER NO: 2627 N-02	
DEPARTMENT: EYE DEPARTMENT				
MANUFACTURER:		BRAND:		MODEL
BIDDER NAME:			E.M.D.: RS. 2,10,000/-	
QTY: 1 NO		TENDER FEE : 2400/-		TOTAL ESTIMATED VALUE FOR 1 UNIT (RS.): 70,00,000/-
REQUIRED SPECIFICATIONS:			SPECIFICATIONS AVAILABLE IN OFFERED MODEL	MENTION REMARK, IF ANY DEVIATION
1.	Technology	Spectral Domain OCT.		
2.	Type of scans	Macular scan, Optic disk scan, High definition scan		
3.	Scan speed	Scan speed: 27000 A-scans per second or more		
4.	Resolution	Axial resolution 5µm (in tissue) or better Transverse resolution: 20µm (in tissue) or better		
5.	A-scan depth	2.0mm (in tissue) 1024 data points		
6.	Funds Imaging	Live during scanning through Laser Scanning Ophthalmoscope (LSO) Or Live OCT Funds Image		
7.	Field of view	36 degrees x 22 degrees or better		
8.	Optical source	Super luminescent diode (SLD), 840 nm		
9.	Focusing	Focusing of patient eye should be possible with mouse driven motorized chin rest.		
10.	Image registration	Image registration to be available for precise rescanning		
11.	Fast Tracking system	Fast tracking of the eye should be possible during scanning. It should be possible to switch it off.		

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12.	Automatic Fovea finder.	Automatic location of fovea should be possible.		
13.	Focus Adjustment Range	-20D to +20D (diopters). It should be possible to enter patient's refraction data on screen prior to scanning for ease of focusing...		
14.	Area of scanning	Minimum 6 mm X 6 mm X 2 mm cube		
15.	Scan density Macula	512 X 128 lines or more in a 6 mm cube		
16.	Scan density Optic Disk	200 X 200 lines or more in a 6 mm cube		
17.	Scan density Raster Lines	Raster scans of 5 lines or more, each line having 4096 scans or more. With possibility to vary size and orientation of the lines.		
18.	Scan density Anterior Segment	512 X 128 lines cube 5 Line raster		
19.	No of A scans on each line for a) Macula cube b) Five Line raster	512 A scans. 1024 A scans or more on central line 4096 A scans or more on each line.		
20.	Analysis and Reports Macula	Macula Thickness map, Segmentation of ILM & RPE layer ILM-RPE thickness ETDRS circle 3D cube, Simultaneous display of all sides of a cube scan with facility to superimpose scan pattern onto the Funds image. Macula change analysis. Ganglion cell analysis Advance RPE analysis. Single eye summary giving report on Macula and		

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		Optic Disk, RNFL.		
21.	Analysis and Reports Optic Disk	RNFL thickness, TSNIT Graph. Key parameters compared to normative database RNFL quadrant and clock hour average thickness RNFL deviation map 3D cube, Progression analysis. Quadrant thickness map Clock hour thickness map. Neuro retinal rim thickness		
22.	Reports Anterior Segment	Corneal thickness Map. Measurement of central corneal thickness. Angle visualization.		
23.	Fixation	Internal and external		
24.	Pupil Size Requirement	2.5-3.0mm		
25.	Computer	Integrated computer with Integrated 15" color flat panel display or better. Windows Xp Pro or better, Internal storage >100,000 scans, CD-RW,		