

Running Contract Details	
Equipment Name	Optical Coherence Tomography (OCT) - Type A
Running Contract Valid Till	12-10-2024
Tender Ref No	KMSCL/EP/T446/607A/2022
Tendered Quantity	10
Supplier Name	M/s Serumbiologicals
GST No	32FKIPS9153R2Z4
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
Rajagiri Southgat Thirunakkara Kottayam	Contact Person	Sunilkumar
	Phone	4812563636
	Mobile No	9745163636
	Email	serumbiologicals@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>Optical Coherence Tomography (OCT) - Type A</b> <i>Model &amp; Make : Cirrus 5000 Angioplex OCT / Carl Zeiss India</i>	5850000.02 Incl.GST :12%	431437.5	6281437.52
		<b>5850000.02</b>	<b>431437.5</b>	<b>6281437.52</b>

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
<b>Optical Coherence Tomography (OCT) - Type A</b>							
Labour	45,000.00	47,250.00	49,613.00	52,095.00	54,698.00	57,433.00	60,304.00
Comprehensive	2,62,500.00	2,75,625.00	2,89,406.00	3,03,876.00	3,19,070.00	3,35,023.00	3,51,775.00

**Other terms & conditions**

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).

2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

## **Technical Specification**

### **Equipment :Optical Coherence Tomography (OCT) - Type A**

#### **OCT with Facility to do Angiography**

1. Scan pattern for optic disc should be 200 A Scan x 200 B Scan
2. Scan pattern for retina should be 512 A scan x 128 B Scan, 200 A Scan x 200 B Scan or better
3. Should have multiple analyser with a single Scan
4. Should have high definition OCT scans provide precise detail of retinal tissue and pathology
5. Should be spectral domain/ swept source optical coherence tomography with dye free OCT angiogram facility
6. Scans for dye free angiography should be 3 x 3 mm, 6 x 6 mm and 9 x9 mm scan
7. High definition scans: length-3/6/9mm, 360 degree rotatable, minimum spacing between the lines 0.025 mm
  - a. 5 line high definition scan
  - b. High definition cross hair scan
  - c. High definition 1 line scans with 100 frames averaging
  - d. High definition radial scan
8. Retina analysis should have
9. Macular thickness analysis OS/OD/OU
  - a. Macular change analysis
  - b. Detailed analysis for RPE layer
  - c. 3D analysis
  - d. Single eye summary with macular thickness and RNFL details for optic disc
  - e. Scan pattern for anterior segment should be
  - f. High definition cornea scan
  - g. Pachymetry map
  - h. Anterior chamber view scan
  - i. 15 mm wide angle to angle scan
10. Optic disc analysis should have RNFL OU analysis, progression analysis, 3D analysis
11. Anterior segment should have high definition cornea analysis, anterior chamber measurement, angle measurements and gonimetry measurements
12. Types of scans
  - a. Macular scan

- b. Optic disc scan
- c. High definition scan

13. Dye free angiography analysis should have preset MAPS for superficial, deep and avascular map and their combination to generate retina death encoded map with layer displayed in different colours. Also there should be provision to interpret the scans according to users preference of desired microns level, should have angiography change analysis compared to prior visits, measurement for vessel density and foveal avascular zones should be available
14. Should have retina registration and tracking to avoid motion artifacts and re scanning
15. Should have motorized chin rest and alignment of patient image registration for precise rescanning during revisit.
16. Scan speed should be 26000/second or more
17. Should have normative database for macular thickness and RNFL, multi ethnicity
18. Axial resolution should have 5 mm (in tissue) or better
19. Should have 512 A scan x 128 B scans and 200 A scans x 200 B scans or better
20. A scan depth should have 2.0 mm ( in tissue) 1000 data points or better
21. Should have scanning laser ophthalmoscope/ non mydriatic based fundus imaging
22. Transverse resolution 25mm (in tissue) 1000 data points or better
23. Should have 36 degree x 30 degrees or more field of vies
24. Optical source should be super luminescent diode (SLD)/swept source, 830 nm or better
25. Focus adjustment range should be – 20 D to + 20D or more
26. Should have integrated colour flat panel display of 19 inch or better
27. Minimum pupil size requirement is 3mm or better
28. Should have internal and external fixation
29. Internal storage should have 80000 scans or better
30. Motorized table and printer should be supplied with equipment
31. Lens for anterior segment which can be easily fitted to the main objective lens
32. Should have integrated PC/ external
  - a. OS windows 7/ 10
  - b. i7 intel processor
  - c. 16 GB memory
  - d. HDD 2TB
33. Should supply online UPS of sufficient capacity with 30 minutes backup to connect all the equipments supplied
34. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US)/ STQC CB Certificate/ STQC S Certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/ test report shall be produced along with the technical bid