



**MAHATMA GANDHI MISSION TRUST**  
**MGM INSTITUTE OF HEALTH SCIENCES, CENTRAL PURCHASE DEPARTMENT (CPD)**

Plot 1 & 2, Sector -1 Kamothe, Navi Mumbai 410209

**1. E-Tender of Ophtalmology Equipments**

Name & Address of Vendor: \_\_\_\_\_

Sr. No.	Items with Specification	UOM	Qty.	Make	Model	Rate per Unit (Excluding GST)	GST %
1	<b>VR Viewing &amp; Inverter system</b>	No	1				
	Invertor System (SDI)						
	3x Lenses (Wide angle, Mid Field, Macula HD)						
	Sterilizable Handles						
	Mounting Bracket						
	Sterilization Tray						
	Carry Case						
2	<b>Vitreo-Retinal Vitrectomy Machine</b>	No	1				
	<b>VACCUM :</b>						
	Should have the facility to generate direct venturi vacuum of up to 650 mmHg through cassette system having 2 independent aspiration ports.						
	<b>CUTTER:</b>						
	Should have the ability to drive vertical guillotine vitrectomy cutter to go up to 10000 Cuts Per Minute						
	Machine should be on a upgradeable platform with the capability to drive up to 20000 Cuts Per Minute and more in future						
	Should have the facility to allow surgeon to select from 3 different duty cycle options at any given cut rate						
	Should have the 3-D technology to linearly control vacuum and cut-rate simultaneously in vitrectomy mode						
	<b>IOP Control:</b>						
	Should have the capacity to monitor infusion pressure constantly.						
	Should have the capacity to compensate the infusion pressure constantly with results in a more stable IOP.						
	<b>Illumination:</b>						
	The system should have dual port Xenon Illumination						
	The System should recognize the gauge of illuminator connected and adjust the illumination accordingly						
	The system should have the facility to monitor the bulb life, to avoid surprises.						

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	The system should have ancillary dual port Xenon Illumination available.						
	<b>Phaco Mode</b>						
	Should have the facility to drive Torsional Phaco, with 4 crystal Hand piece						
	Should have the facility to use variety of Phaco tips like, Kelman, ABS and micro tips						
	Should have the availability of Linear, Pulse, Burst and 3D in Phaco mode						
	Should have the facility to use High Infusion Sleeve.						
	<b>MIVS</b>						
	Should have the capacity to support MIVS options like 23G, 25G and 27G						
	Should have a single-entry system						
	<b>Other Features:</b>						
	The System should have the Vented Gas Forced Infusion Capability						
	The System should have the Automated Silicon Oil Injection Capability						
	The System should have Auto Fluid / Air Exchange.						
	Should have the fully programmable footswitch with the facility to change procedural modes through footswitch.						
	Should have the facility of proportional diathermy.						
	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.						
	Should have the facility for the extrusion of sub-retinal fluid.						
	Should have the facility of voice re-confirmation.						
	Should have programmability to store various parameters.						
	Should have the facility for Anterior Vented Gas forced infusion.						
	Should have the facility to use High Infusion Sleeve						
	Should have the availability of Linear, Pulse, Burst and 3D in Phaco mode						
	Should have the facility of fragmentation with the help of 4 crystal Ultrasound hand piece.						
3	<b>Endolaser System</b>	No	1				
	Wavelength: 532 nm Green						
	Weight : 19.2 lb (9.0 kg)						
	Dimensions : 8.5" H x 12" W x 14" D (21 cm x 30 cm x 35 cm)						
	Connector Type : RFID   Resistor						
	Electrical : 100-240 VAC, 50/60 Hz						
	Cooling : Whisper fan						
	Exposure Duration : CW-Pulse: 10-3000 ms						
	Exposure Interval : CW-Pulse: 10-3000 ms						
	MicroPulse Duration : MicroPulse: 0.05-1.00 ms						
	MicroPulse Interval : MicroPulse: 1.00-10.00 ms						

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	Aiming Laser : Diode laser, 635 nm nominal						
	Delivery Device Power Output						
	Portable SLA: 0-2000 mW						
	LIO: 0-2000 mW						
	EndoProbe: 0-2000 mW						
4	<b>Cryo Machine</b>	No	1				
	Completely non-electric, portable : yes						
	Gas : N2o						
	Foot controlled : yes						
	Instant defrosting : yes						
	Quick freezing and quick defrosting : yes						
	Probes cleaning : manually						
	<b>Cryo Probes Technical Details</b>						
	Probe : tip diameter						
	Cataract : 1.4 mm( 17 SWG)						
	Retinal : 3.3 mm( 10 SWG)						
	Glaucoma : 2.4 mm( 13 SWG)						
	Intravitreal : 1.1 mm ( 19 SWG)						
5	<b>Compressor</b>	No	1				
	Double Head Compressor,						
	3 HP						
	70L Tank						
	116 PSI						
6	<b>Irrigating Lenses</b>	No	2				
	HR Direct Bi-Concave						
	Direct Image High Mag SSV® (ACS®)						
	Direct Image AFX SSV® (ACS®) (Air Fluid Exchange - Air Filled Eye)						
	Direct Image 45° Prism SSV® (ACS®)						
	Direct Image 30° Prism SSV® (ACS®)						
7	<b>Contact Macular and Wide Filed Lenses</b>	No	1				
	HRX Vit Lens						
	Central Retinal						
	Mini Quad® XL						
8	<b>B Scan Machine</b>	No	1				
	Gain : -128 to +128						

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	TGC : Near, Mid, Far ( User adjustable slider )						
	B - Scan Probe : 12 MHZ ( Optional : 10 MHZ, 20 MHZ )						
	UBM : 35MHZ (Optional : 50MHZ)						
	Scan Angle for : 20 to 60 degree ( B-Scan ), 20 to 35 degree ( UBM )						
	Vector density and sampling : 256 vectors X 2048 points / per vector						
	View Zone : 30mm to 60mm ( B-Scan ), 15 to 18mm ( UBM )						
	Axial Resolutions : 300 microns ( B-Scan ), 40 Microns ( UBM )						
	Lateral Resolution : 500 microns (B-Scan ), 50 microns ( UBM )						
	Data Base Dimensions : 1Mb / Image						
	Measurement Tools : Angle, Caliper and Area						
	Other Tools : Arrow mark, Probe Orientation and Text annotation						
	A/B Scans Capability : A-Scan vector available as overlay on B-mode Images						
	Velocity : Adjustable to tissue or material being imaged						
	Gray Scale : 256						
	Flood fill Colour : Fill the false Colour for differentiate the image seqmen						
	Image : Gray levels						
	Image Capture Rate : 15fps						
	Video Recording : Avi format, Cine						
	Image Buffer : 600 Frames per cine ( Total 600 X 10= 6000 Frmaes )						
	Image exporting : PNG,jpeg, BMP,GIF, TIFF						
	Report exporting : jpeg, pdf, Html, MHT, Rtf, Xls, Xlsx, Csv, Text, Image						
	System Control Input Devices : USB Keyboard, Mouse & Foot Pedal						
9	<b>General VR Instrument Set</b>	Set	2				
	Retractor – Barbie		1				
	Retractor – Globe		1				
	Scleral Indentor and Marker		1				
	Spatula		1				
	BP Handle		1				
	Ball point Cautery		1				
	Wire and Plated speculum		2				
	Cartl needle holder		1				
	Barraquer Needle holder		1				
	Lim's forcep		1				
	1 by 2 Forcep		1				
	McPherson's forcep		1				
	SR Forcep		1				
	Silk needles		6				
	Straight scissor		1				
	Blunt Tenotomy scissor		1				



Sr. No.	Items with Specification	UOM	Qty.	Make	Model	Rate per Unit (Excluding GST)	GST %
12	<b>25G Set</b>	Set	1				
	Cannulae - for Silicone injection		2				
	Cannulae - for manipulation		2				
	Flute Needle handle		2				
	PFCL insertion cannulae		2				
	Forcep - ILM peeling		1				
	Forcep - general purpose		1				
	Forcep – End grasping		1				
	Membrane peeler						
	Scleral plug		4				
	Fine Scissors - straight and curved		2				
	Trochar removal forcep		1				

**Kindly email your lowest quotation for above with your terms and conditions as well as applicable Brochure / Catlog, Client list to [etenders@mgmuh.com](mailto:etenders@mgmuh.com) only.**

Date:

Signature of Tenderer:

Seal

Name:

Designation:

Email ID:

Mobile No.:

Full Address: