

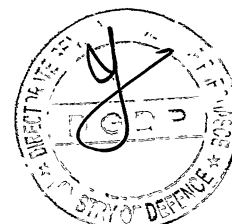
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ANX D TO
DGDP TENDER NUMBER 216.07.481.25
DATED: 30 OCTOBER 2025

DESCRIPTION OF TECHNICAL SPECIFICATION FOR OPTICAL BIOMETER/IOL MASTER
QUANTITY-01, (DP-5)

(Tenderer must fill up this format without changing its basic structure)

Ser no	Description	Technical specification	To be filled up by the Principal/ Manufacturer
(a)	(b)	(c)	(d)
1.	<u>General Specification:</u> General specifications are as under:		
	a. Nomenclature	Optical Biometer/IOL Master, PVMS-170051, Qty-01	
	b. Brand and Model	To be mentioned. Model should be latest.	
	c. Name of Manufacture with Complete Address	To be mentioned.	
	d. Name of Principal with Complete Address	To be mentioned.	
	e. Name of Local Agent with Complete Address	To be mentioned.	
	f. Year of Production	Not before the calendar year of contract.	
	g. Country of Origin & Manufacturer	Group-A: Bangladesh, Australia, Austria, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, Indonesia, Ireland, Japan, Luxemburg, Netherlands, Norway, Singapore, Spain, Sweden, Switzerland, Turkey, UK, USA, South Korea & Italy.	
	h. Port of shipment	Same country of manufacture for Main System. Other Items/ Equipments/ Accessories and Local supplied item to be mentioned specifically.	
2.	<u>Function/Capability:</u> Optical biometer and keratometer full set multipurpose including IOL power calculation		
3.	<u>Features/Facilities:</u> Following technical specifications/features/facilities are to be available.		
	a) Swept Source axial length measurement+ Topography		
	b) Enhanced usability		
	c) Connection with ultrasonic measurement unit		
	d) One-shot IOL power calculation		
	e) Internal Database		
4	<u>Technical Specification</u>		
	Measurement range		
	a. Axial length 14 - 40mm		
	b. Anterior chamber depth 1.5 - 7.0mm		
	c. Crystalline lens thickness 0.5 - 6.0mm		
	d. Corneal thickness 0.2 - 1.2mm		
	e. Corneal curvature radius 5.0 - 11mm		
	f. Pupil diameter 1.5 - 13mm		
	g. Corneal diameter 7 - 16mm		
	Measurement accuracy		
	a. Axial length $\pm 0.03\text{mm}$		
	b. Anterior chamber depth $\pm 0.05\text{mm}$		
	c. Crystalline lens thickness $\pm 0.05\text{mm}$		
	d. Corneal thickness $\pm 5\mu\text{m}$		
	e. Corneal curvature radius $\pm 0.02\text{mm}(\phi 3 \text{ mm} / \phi 2.5 \text{ mm})$		
	f. Pupil diameter $\pm 0.1\text{mm}$		
	g. Corneal diameter $\pm 0.3\text{mm}$		



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Ser no	Description	Technical specification	To be filled up by the Principal/ Manufacturer																
	Type of light source: Swept laser source																		
	IOL power calculation formula Barrett Universal II, Barrett Toric Calculator, Olsen Formula, Haigis standard, Haigis optimized, Hoffer® Q, Holladay 1, SRK/T, Shammas-PL, SRK/T Double K																		
	Display resolution a. Axial length 0.01mm b. Anterior chamber depth 0.01mm c. Crystalline lens thickness 0.01mm d. Corneal thickness 1µm e. Corneal curvature radius 0.01mm f. Built in Printer Thermal printer g. Data output type USB-H×2, USB-D, LAN h. SD Card (for Internal Database) j. Display 10.4 inch color TFT monitor																		
5.	Standard accessories: a) 1x Compatible Printer b) 1x Motorized Table c) 1x UPS 1 KVA d) Optional accessories (if any): To be mentioned																		
6.	Power Supply	Auto stabilized 220 VAC ± 10%, 50 Hz																	
7.	Complete BOQ/BOM. All Foreign & Local supplied items to be listed separately for full range of operation of the equipment as per following table:																		
	<table><tr><th>Ser</th><th>Name of item</th><th>Qty</th><th>Brand</th><th>Model</th><th>Country of Origin</th><th>Country of Manufacturer</th><th>Remarks</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Ser	Name of item	Qty	Brand	Model	Country of Origin	Country of Manufacturer	Remarks										
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8.	Foreign Training a. Operational Training Not required b. Repair/Maintenance Training Not required Local Training a. Operational Training 02x Ophthalmologist for 01 week b. Repair/Maintenance Training 02x EM Tech for 01 week																		
9.	Warranty	03 (Three) years warranty from the date of issuance inspection note (I/Note)																	
10.	After sales service	10 (Ten) years from the date of installation.																	
11.	Certificate of quality	FDA/CE/JIS Certificate must be submitted with offer.																	
12.	Books and Publication	Following books and publication will be supplied in English along with the stores free of cost. a. Operational manual – 03 Copies (01x Original & 02x Photocopies) b. Repair/Maint/Service manual including details circuit/Schematic diagrams– 03 Copies (01x Original & 02x Photocopies) c. Parts Catalogue/Master Parts list– 03 Copies (01x Original & 02x Photocopies) d. 100% Spare Parts list with price – 02 x Original copies Note: In addition to hard copy, a soft copy CD/DVD containing all books and publications will be supplied by the supplier free of cost.																	
13	Other feature/items not listed above but required for full range of operation of the offered equipment to be mentioned and to be supplied with main equipment.																		

