Annexure - I

List of required Instruments for Tender Advertisement (Above 1 lakh)
Faculty of Allied and Healthcare Sciences

Date: 01/06/2026

Sl no.	Instrument name	Specifications	Quantity	Programme
1	Vertical Autoclave	• Preferred Model: TI-121B with Semi-Automatic function • Standard Model: Inside S.S. 304 mirror finish. Outer SS 304 mirror finish. • Temp. Range: 121°C to 125°C factory set at 121°C • Capacity: 35 litres • Internal size (Dia. x Ht.): 30 x 50 cm • Rating: 2.0 KW • Warranty – 2 years	1	MLT
2.	Calibrated Ionization Based Survey Meter: Within Diagnostic Range	• Range: Background to 50 mSv/h (5 R/hr) • Shows Exposure Rate & Either Integrated Exposure or Peak Exposure Rate • Sunlight Readable Color Display • Auto-Zeroing & -Ranging • Rechargeable Batteries • Audio & Visual Alarms • Data Logging • USB Connectivity • Free Firmware Updates Through Website	1	Radiology
3.	Gafchromic EBT4 Film	• Film Size 8"x10" • Pack of 25 sheets	1	Radiology
4.	Film dosimetry set scanner	• Epson scanner • Expresson 13000xl with laptop	1	Radiology
5.	Calibrated DAP Meter	• Preferred Model: DRK -1 (Consists of one square ionization chamber DRK-1-K01 and one radiation charge meter)	1	Radiology
6.	Auto-Refractometer (AR)	• Combo with motorised adjustable table. • Autp-Ref Keratometer (ARK) models preferred • Suggested brands - Topcon, I-Optik, Appasamy, Nidek, Huvitz, Matronix. • Measurement Range (Sphere)-25.00 D to +22.00 D (in 0.12 / 0.25 D steps) • Cylinder Measurement: 0.00 D to ±10.00 D (in 0.12 / 0.25 D steps) • Axis Measurement: 0° to 180° (in 1° steps)	1	Optometry

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		• Pupil Diameter Measurement: min. 2.0 mm to 9.0 mm • Vertex Distance:Programmable vertex distance correction facility (eg. 0 mm, 12 mm, 13.5 mm, 15 mm) • Minimum Pupil Diameter: ≥ 2.0 mm • Measurement Mode: Auto / Manual • Fixation Target Internal fixation with automatic fogging • Display: Integrated color LCD/TFT display of minimum 5 inches (with refractive values and alignment guidance) • Data Output: USB and/or LAN connectivity for data transfer and EMR integration. • Power Supply: 100–240V AC, 50/60 Hz (with in-built voltage stabilizer preferred) • Weight: (Approx.) 15–25 kg • Dimensions (W x D x H): Approx. 275 mm × 475 mm × 430 mm • Equipment must comply with applicable IEC 60601 medical electrical safety standards and relevant ISO standards. • Comprehensive Warranty of min. 1-3 years with availability of spare parts for minimum 5-7 years.		
7.	Auto Lensometer	• Combo with motorised adjustable table. • Built-in thermal printer or data export facility • Suggested brands - Topcon, I-Optik, Appasamy, Nidek, Huvitz, Matronix. . • Measurement Method: Preferred Automatic lensmeter based on wavefront analysis or equivalent advanced lens measurement technology or UV transmittance measurement facility. • Measurable Lenses: Single vision, bifocal, progressive, and contact lenses • Automatic detection and measurement of progressive addition lenses and Contact lens measurement capability. • Lens Types: All materials including high-index, polycarbonate, and glass • Sphere Power Range: –25.00 D to +25.00 D (in 0.01/0.06/0.12/0.25 D steps selectable) • Cylinder Power Range: 0.00 D to ±10.00 D • Axis Measurement: 0° to 180° (1° steps) • Prism Measurement Range: 0–15 Δ (Horizontal/Vertical) • Prism Modes: Cartesian (X-Y), Polar (P- B) • PD Measurement: 40–90 mm	1	Optometry

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		(Monocular and binocular) • Display: 5.7" Color LCD, tiltable for ergonomic viewing with USB and/or LAN interface for data transfer. • Operating Mode: Automatic and manual • Power Supply: AC 100–240 V, 50/60 Hz • Weight: (Approx.) 5.0 kg • Equipment must comply with applicable IEC 60601 medical electrical safety standards and relevant ISO standards. • Comprehensive Warranty of min. 1-3 years with availability of spare parts for minimum 5-7 years		

Signature of Dean

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