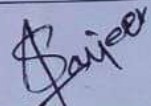
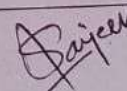


Technical Specification of Operating Microscope

S.N.	Purchaser's Specifications	
	Portable Operating Microscope (Ophthalmic)	
	Manufacturer	Should be Europe, USA and Australia
	Country of Origin	Europe, USA and Australia
1	Technical Specifications	
1.1	Microscope should have 4.2x to 25x continuous zoom.	
1.2	Should have binocular stereoscopic convergent angle 10 degree for viewing comfort.	
1.3	Should have focus range of ± 25 mm	
1.4	Binocular tube: swivel tube 45°	
1.5	Objective Lens: F= max 200mm	
1.6	Should have swivel tube 45° , Binocular tube	
1.7	Should have max. 200mm from Aux Objective Lens for working/focal distance	
1.8	Should have ± 5 D refractive error correction anisometropia.	
1.9	Should have anti fungus pellets (Three year Protection)	
1.10	Should have inclined binocular tube Inclination 45 Degree, high field number 22 for wide field of view. High eye relief 24.6mm	
1.11	Should have UV and Blue Light Hazard Protection, (Filtered to 435nm) for Patient Safety.	
1.12	Should have Coaxial direct optical delivery system with 20W LED 75000 lux of the microscope.	
1.13	Arm elbow and angle poise movement in horizontal and vertical direction. Vertical pillar to head optical axis max. 940mm	
1.14	Should have Handles in Microscope head for easy movement for doctor during Surgery	
1.15	Table mounting left or right side of table	
1.16	Clamp opening 120mm, throat 160mm	
1.17	Weight should be not more than 40 Kg	
2	Accessories, spares and consumables	
2.1	Must provide dust cover, operational manual, Aluminium Transit Case	
2.2	Must provide sterilisable caps	
2.3	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items	


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S.N.	Purchaser's Specifications
	not specified above).
3	Operating Environment
3.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, and Humidity.
3.2	Power supply: AC 100-240VAC; Frequency: 50-60Hz fitted with appropriate plug, 2.0A Max @100VA and The power cable must be at least 3 metre in length.
4	Standards and Safety Requirements
4.1	Must submit ISO certificate and AC 20016 for Medical Devices
4.2	CE (93/42 EEC Directives) or USFDA approved product certificate.
4.3	Electrical safety conforms to standards for electrical safety IEC 60601-1 General requirement for Electrical safety of Medical Equipment.
5	User Training
5.1	Must provide user training (how to use the equipment).
5.2	Must provide On-site Service training (how to maintain the equipment).
6	Warranty
6.1	Comprehensive warranty for 2 years after acceptance.
7	Maintenance Service During Warranty Period
7.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.
8	Installation and Commissioning
8.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.
9	Documentation
9.1	User (Operating) manual in English.
9.2	Service (Technical / Maintenance) manual in English.
9.3	List of important spare parts and accessories with their part numbers and costing.
9.4	Certificate of calibration and inspection from factory.


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