Jeevan Bikas Samudayik Aspatal Tatha Technical Education Foundation

Katahari-02

S.N	Products	Specification	Model	Brand Name	Amount: Rate in Figure	Amount: Rate in Words	Remarks
1	Slit Lamp Biomicroscope	Magnification: 5-step (6x, 10x, 16x, 25x, 40x) or Continuous Zoom					
		Eyepiece: 10x or 12.5x wide-field					
		Illumination: LED or Halogen					
		Filters: Cobalt blue, Red-free, Neutral density, Heat absorption					
		Joystick: Smooth movement with focus control					
2	Auto Refractometer	Measurement Range: Sphere: -30D to +25D | Cylinder: ±10D					
		Axis Range: 0° – 180°					
		Pupil Diameter: 2.0mm or larger					
		Display: 7-inch LCD touch screen					
		Connectivity: USB, Wi-Fi (for data transfer)					
3	Digital Phoropter / Trial Lens Set	Lens Power Range: Sphere: -19D to +16.75D | Cylinder: ±6.00D					
		Step Adjustment: 0.25D or 0.12D					
		Display: Digital LCD touch screen					
		Connectivity: Bluetooth/USB					
		Trial Lens Set (if manual): Full set with metal-rimmed lenses					
4	Non-Contact Tonometer (NCT)	Pressure Range: 1mmHg – 60mmHg					
		Measurement Accuracy: ±1mmHg					
		Puff Control: Auto-adjustable					
		Display: LCD with touch control					
		Automatic Alignment & Shooting: Reduces human error					
5	Applanation Tonometer	Pressure Range: 0mmHg – 80mmHg					
		Mounting: Slit lamp-mounted (Goldmann-type)					
		Measurement Accuracy: ±0.5mmHg					
		Prism Type: Blue-coated for fluorescein staining					
6	Direct Ophthalmoscope	LED or Xenon light source					
		Multiple aperture settings					
		Rechargeable lithium-ion battery					

7	Indirect Ophthalmoscope	Wide field of view (≥ 45°)					
		Adjustable interpupillary distance					
		High-intensity LED illumination					
8	Retinoscope	Type: Streak or Spot Retinoscope					
		Light Source: LED or Halogen					
		Rechargeable Battery: Long-lasting lithium-ion					
		Brightness Adjustment: Variable					
9	Keratometer	Measurement Range: 36.00D–52.00D					
		Step Adjustment: 0.01D or finer					
		Axis Range: 0° – 180°					
		Display: Digital LED screen					
10	Pachymeter	Thickness Range: 200µm – 1000µm					
		Resolution: 1µm precision					
		Probe Frequency: 20MHz ultrasound					
		Measurement Speed: <1 second					
		Data Storage: USB or Cloud integration					
11	Slit Lamp Imaging System	Camera Resolution: 12MP+ for high-definition imaging					
		Video Recording: 1080p or 4K					
		Software Integration: Compatible with EMR systems					
		Illumination: Adjustable LED					
		Filters: Red-free, cobalt blue, IR cut					
12	Optical Coherence Tomography (OCT)	Scan Speed: ≥ 70,000 A-scans per second					
		Axial Resolution: ≤ 5µm					
		Scanning Depth: Up to 2.5mm					
		Fundus Camera Integration: Optional					
		Software: AI-assisted analysis for macular and glaucoma screening					
13	Fundus Camera (Non-Mydriatic)	Field of View: 45° – 60°					
		Image Resolution: ≥ 12MP					
		Focus Type: Auto-focus & Auto-capture					
		Connectivity: DICOM, Wi-Fi, USB					
		Pupil Size Requirement: ≥ 3mm					
14	B-Scan Ultrasonography	Frequency: 10MHz – 20MHz					
		Axial Resolution: 0.02mm					
		Penetration Depth: ≥ 50mm					

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		Display: 10-inch or larger LCD					
		Image Storage: Internal memory + USB					
15	A-Scan Biometer	Axial Length Range: 15mm – 40mm					
		Resolution: 0.01mm					
		Probe Frequency: 10MHz ultrasound					
		IOL Calculation: Built-in formulas for cataract surgery					
		Data Transfer: USB, Wi-Fi					
16	IOL Master (Optical Biometer)	Measurement Principle: Optical low-coherence reflectometry (OLCR)					
		Axial Length Range: 14mm – 40mm					
		Keratometry Range: 33D – 67D					
		Accuracy: ±0.02mm					
		IOL Calculation Formulas: Haigis, Barrett, Holladay, SRK/T					
		Display & Connectivity: Touchscreen, USB, DICOM compatible					
17	Visual Field Analyzer (Perimetry)	Test Strategies: Standard Automated Perimetry (SAP), Fast Threshold, SITA Standard/Fast					
		Field of View: 30° – 60°					
		Stimulus Intensity: Up to 10,000 asb					
		Fixation Monitoring: Heijl-Krakau, gaze tracking					
		Patient Database: DICOM integration					
18	Corneal Topographer	Placido Disc Rings: 20+					
		Keratometry Range: 33D – 67D					
		Analysis Maps: Axial, Tangential, Elevation, Refractive Power					
		Camera Resolution: ≥ 12MP					
		Software: AI-based keratoconus screening					
19	Operating Microscope	Magnification: 5-step or Zoom (4x – 25x)					
		Objective Lens: f=175mm – 200mm					
		Illumination: LED or Xenon, coaxial illumination					
		Binocular Tube: 45° tiltable					
		Foot Control: Motorized focus and zoom					
20	Phacoemulsification Machine	Ultrasound Frequency: 40kHz+					
		Vacuum Range: 0 – 650mmHg					
		Irrigation/Aspiration Flow: 20 – 50cc/min					
		Handpiece: Piezoelectric, titanium construction					

21	Manual Small Incision Cataract Surgery (SICS) Set	Modes: Pulse, Burst, Continuous				
		Essential Instruments:				
		Crescent & keratome blades				
		Capsulorhexis forceps				
		Lens loop & vectis				
		IOL holding forceps				
		McPherson tying forceps				
		Speculum & sutures				
22	I/A Handpieces (Irrigation/Aspiration)	Material: Titanium or stainless steel				
		Aspiration Tip: Bimanual or coaxial				
		Compatibility: Phaco machines				
23	Bipolar Cautery	Output Power: 0 – 50W adjustable				
		Electrode Type: Bayonet-style, fine tips				
		Foot Pedal Control: Yes				
24	Autoclave	Temperature: 121°C – 134°C				
		Pressure: 15 – 30 psi				
		Chamber Size: 20 – 50 liters				
25	ETO Sterilizer	Gas Type: Ethylene Oxide (EO)				
		Sterilization Cycle: 2 – 6 hours				
26	Surgical Drapes & Gowns	Material: SMS (Spunbond-Meltblown-Spunbond)				
		Sterility: EO/Gamma sterilized				
		Fluid Resistance: Yes				
27	Intraocular Lenses (IOLs)	Material: Hydrophilic or Hydrophobic Acrylic				
		Optic Design: Aspheric, Toric, Multifocal				
		Power Range: +5D to +30D				
		Edge Profile: Square-edge to reduce PCO				
28	Minor Surgical Instruments	Essential Tools				
29	Electrocautery Unit	Modes: Cut, Coagulation, Bipolar				
		Power Output: 50W – 300W				
		Control: Foot pedal & touch screen				
30	YAG Laser	Wavelength: 1064nm				
		Energy Output: 0.3mJ – 10mJ				
		Pulse Duration: ≤ 4ns				
		Aiming Beam: 635nm LED				

	Slit Lamp Integration: Yes					

शर्तहरु :

१. फर्म/कम्पनी नेपाल सरकारको नियमानुसार सम्बन्धित निकायमा दर्ता भई मूल्य अभिबृद्धी कर (भ्याट) मा दर्ता भएको र भर्खर आ.व.२०८०/८१ को कर चुक्ता गरेको प्रमाणित हुने प्रमाणपत्रको प्रतिलिपी पेश गर्नु पर्ने छ।

२. फर्म/कम्पनीले सामाग्रीको मूल्य उल्लेख गरी आधिकारिक व्यक्तिको दस्तखत तथा छाप लगाएको दरभाउ पत्र मात्र मान्यता दिईने छ।

३. दरभाउ पत्र पेश गर्दा समाग्रीको कर सहितको मूल्य उल्लेख गर्नु पर्ने छ।

४. दरभाउ पत्र पेश गर्ने अन्तिम मितिः २०८१/११/०१ गते साँझ ५ बजे सम्म रहने छ।

५. वैदेशिक कम्पनीको आवेदनको हकमा ISO प्रमाणित कम्पनी हुनु पर्ने र नेपालमा बिक्री पछिको सेवा दिने स्पष्ट विवरण उल्लेख गर्नु पर्ने छ।

६. खरिद सम्बन्धि सम्पुर्ण अधिकार संस्थामा निहित रहने छ।

नाम :
आधिकारिक दस्तखत :
फर्म वा कम्पनीको नाम :
छाप :
मिति :

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