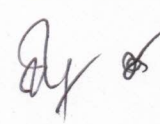



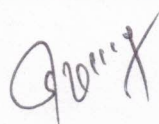


Technical Specification of ICU Bronchoscope with processor			Remarks
Hospital Purposed Technical Specification			
Country of Origin:			
System Made in:			
Manufacturer			
Model No:			
Brand:			
1 Digital Video Processor should have below features:			
1.1	Digital Output	2 x DVI (Digital Visual Interface): 1280 x 1024p	
1.2	Analog output	1 x RGB TV(PAL+RGB+Sync)	
		1 x S-Video (Y/C),	
		1 x Video:Composite	
1.3	Color adjustment	Brightness, Red, Green, Blue, R-Hue, Chroma, 9steps	
1.4	Control Terminal	2 x Remote, 2 x Peripheral, 1 x Keyboard, 1 x card reader, 1 x Aux, 1 x Digital Printer, 1 x Foot switch, 1 x Ethernet (100/10 Base)	
1.5	Contrast	3 steps	
1.6	Structure Emphasis	High, Mid, Low, Off	
1.7	Color Emphasis	High, Mid, Low, Off	
1.8	FICE	3 Presets (FICE 0, 1, 8)	
1.9	IRIS	Average, Peak, Auto	
1.10	Image Storage	USB Flash Drive	
2 Light Source should have below features:			
2.1	Lamp rated value	Main lamp: 300 W Xenon lamp	
		Emergency lamp: 75 W Halogen lamp with minimum 500 Hrs.	
2.2	Light control	Automatic light control	
2.3	Lamp cooling method	Forced air cooling	
2.4	Air supply pump	High, Middle, Low, Off	
2.5	Light save	On, Off	
2.6	Transmitted illumination	On, Off	
3 HD Ultra high Resolution Bronchoscope should have below features:			
3.1	Field of View	120°	
3.2	Observation Range	3 to 100 mm	
3.3	Distal End Diameter	5.9 mm to 6.4 mm	
3.4	Flexible Portion Diameter	5.9 mm to 6.4 mm	
3.5	Bending Capability	UP: 180° / Down: 130°	
3.6	Working Length	600-650 mm	
3.7	Total Length	850-900 mm	
3.8	Forcep Channel Diameter	2.8mm to 3.2 mm	
4 HD Medical Grade Monitor should have below features:			
4.1	Minimum Display	Minimum 26"	
4.2	Resolution	1920 x 1080	
4.3	Pixel Pitch	0.294 x 0.294mm	
4.4	Brightness	900 cd/m2 Typical	
4.5	Contrast	1400:1 Typ.	
4.6	Angle of View	180/130 or 210/130°	

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5	Accessories	
5.1	Leakage Tester -1 pcs	
5.2	Silicon Oil - 1 pcs	
5.3	Lens Cleaner - 1 pcs	
5.4	Biopsy Forceps - 4 pcs for each type of scopes	
5.5	Biopsy Brush -4 pcs	
5.6	Reporting Software with Footswitch: Reporting software should be free of cost for	
5.7	Mouth piece for Bronchoscope- 4 pcs	
5.8	Scope clining set-1	
5.9	UPS for minimum 30 min backup	
5.10	System Trolley - 1 pcs	
6	Standard & Safety Requirements:	
6.1	Should have ISO & CE Certifications	
6.2	Should have US FDA or Japan Standards	
7	User Training	
7.1	Must provide user training (including how to use and maintain the equipment)	
8	Warranty	
8.1	Comprehensive warranty for 2 years after acceptance	
8.2	During the warranty period supplier must ensure preventive maintenance and corrective / breakdown maintenance whenever required.	
9	Installation and Commissioning	
9,1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel	
10	Documentation	
10.1	User (Operating) manual in English	
10.2	Service (Technical / Maintenance) manual in English	
10.3	Certificate of calibration and inspection from factory	

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