

SEBUTHARGA MEMBEKAL, MENGHANTAR, MENGUJI DAN MENTAULIAH PERALATAN PERUBATAN SATU (1) UNIT SYSTEM FOR ENDOSCOPE DAN TIGA (3) UNIT "ENDOSCOPIC RETROGRADECHOLANGIOPANCREATOGRAPHY (ERCP)" UNTUK KEGUNAAN DEWAN BEDAH, HOSPITAL SIBU, SARAWAK BAGI TAHUN 2019

(NO SEBUTHARGA: HS/Q016/2019)

NO	SPESIFICATION	QTTY	COMPLIANCE TO REQUIREMENTS : YES/NO	COMMENTS / PROPOSED SPECIFICATION
A	ENDOSCOPIC VIDEO IMAGING SYSTEM CENTER	1		
1	Endoscopic video imaging system center set - enables easy access to the range of advanced diagnostic features of endoscopes whilst compatible with other endoscopes of same made			
2	MAIN FEATURES : -			
2.1	Equipped with the high definition HDTV imaging capability to provide the best possible image quality for endo and laparoscopes, enabling observation of capillaries, mucosal structures and other patterns			
2.2	Narrow Band Imaging (NBI) (or any thing similar to it) in this video system center provides twice the viewable distance of it's predecessor and offers much greater contrast between blood vessels and mucosa			
2.3	Electronic Dual Focus for optimal image at near and distant with HQ videoscopes HD/SD SDI output for high quality video image transfer built-in			
2.4	Portable memory media of standard data management can store up to 2048 JPEG images			
2.5	Picture-in-picture and index function for combination of endoscopic and other images is possible			
2.6	16:9 and 16:10 output for a HDTV,compatible with analog, HD-SDI and DVI output			
2.7	illumination using powerful newly designed 300 watts xenon lamp with auto iris and brightness control			
2.8	Compatible with videoscopes and video laparoscope of same made			

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2.9	Set comes complete on a work-station with isolation transformer, video processor, xenon light source, 26 inch high definition LCD monitor, color printer water flushing pump unit and suction pump							
3	SPECIFICATIONS :-							
3.1	Video system centre	Observation	Analog HDTV signal output	RGB or YPbPr selectable				
			Analaog SDTV signal output	VBS composite, Y/C or RGB				
			Digital signal output	HD-SDI, SD-SDI, DV and DVI				
			Color tone adjustment	Red,blue, chroma + 8 steps				
			Enhancement mode	3 level (structural/edge enhancement)				
			Contrast	3 setting of normal, high and low				
			Iris	Auto, average and peak selectable				
			Image size display	Selectable				
			Image free mode	Pre-freezing ability for perfect capture				
			Fog free function	Fog free image on selectable scopes				
			Documentation	Patient data	Patient ID Patient name Sex and age Date of birth Recording date Comments			
				Advance registration data	Up to 50 patients data			

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NO	SPESIFICATION			QTTY	COMPLIANCE TO REQUIREMENTS : YES/NO	COMMENTS / PROPOSED SPECIFICATION	
3.1	Video system centre	Portable memmory	Media	Thumb drive			
			Recording format	TIFF, JPEG			
			Number of images	Up to 2408 JPEG images			
		Memoiry backup	User setting	Up to 20 userssetting can be registered			
			Setting memmory Available after turn of	Color tone, iris mode, Enhancementcol, enhancement mode, Contrast, AGC, Col mode, white balance.			
			Lithium battery	Life : 5 years			
3.2	Light Source	Automatic brightness adjustment	Auto brightness	Servo diaphragm method			
			Auto Exposure	17 steps			
		Air water feeding	Diagphram pump type	4 level available			
		Indicators on front panel	Emergency lamp	Indicates absence, disconnection and use of emergency lamp			
			Narrow band Imaging	Lights up when NBI is used			
			Op	Lights up when specialpurposed filter installed			

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3.2	Light Source	Illumination	Xenon short arc	300 W			
			Lamp life	Approximately 500 hours of continuous used			
			Brightness adjustment	Light path diaphragm control			
			Emergency lamp	12V 25W halogen			
			Lamp-life emergency	Approximately 500 hours			
	Classification Power supply	Against electrical shock	Class 1				
		Voltage 240 V	Power consumption 600VA				
3.3	LCD monitor	Multi system 240 V requirement	Type	26 inch full HD LCD Panel			
			Resolution	1920-1200 dots			
			Size	Diagonal of minumun 26 inch			
			Display Ratio	16:10 in high contrast and wide view			
			Display Capability	Multimodality of PIP and POP combination			
			Input/output	Multiple HD and SDI input			
3.4	Video printer Or USB Port captured image	Multi system 240 V	Print method	Dye sublimation printing			
			Resolution	403 dpi (1664 dots)			
			Printing time	Approximately 25 seconds			
3.5	Flushing pump	Performance peristaltic Pump operated with footswitch or scope button	Flow rate	0 to 300 ml/min			
			Safety	EN IEC 60601-1?UL 2602-1			
			Regulatory	EC Directive 93/42/EEC, Class IIa			

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3.6	Suction pump	Compact with large auto-clavable bottle, Vacuum gauge and microbial filter	Max. vacuum level	" -0.85 bar (-25"Hg)			
			Bottle capacity	1.5L autoclavable glass bottle			
			Power consumption	220/240V:130VA			
			Electrical safety	IEC 601:1 class 1 type BF			
3.7	Work-station With transformer	Mobile with brakes and transformer Medical grade certified	Scope hanger	2 scopes at one time			
			Shelves	Min 4 and 1 for keyboard			
			Power switch	Single ON power to max 12 of outlets			
			LCD hanger	Height adjustable and rotatable			
4.	COMPONENTS OF STANDARD SET:						
Item	Description						
4.1	1Video system center processor with keyboard and still image storage system			1			
4.2	Xenon light source			1			
4.3	LCD monitor - 26 inch high resolution			1			
4.4	Color video printer with a pack of 200 prints			1			
4.5	Water flushing pump with tubings and adaptor			1			
4.6	Suction pump with filters			1			
4.7	Imported work-station with isolation transformer and double scope hanger			1			

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B	DUODENO VIDEO SCOPE - THERAPEUTIC TYPE				
1	Flexible duodeno videoscope with large instrument channel and Dual guidewire locking mechanism for fast and secure guidewire exchange during therapeutic and diagnostic procedure of the common bile duct		3		
2	MAIN FEATURES :-				
2.1	Dual locking mechanism for efficient short guidewire exchange of .025 and .035 inch Guidewire				
2.2	Large image display with Narrow band Imaging to enhance observation of the mucosa and Capillaries				
2.3	Sealed elevator wire channel port for easier cleaning and disinfection				
2.4	Slim insertion tube of 11.3 mm enable easy insertion capability				
2.5	Instrument channel of 4.2 mm allows a wide range of instruments to be used				
2.6	4-way angulation of bending section facilitates approach to the papilla of Vater				
2.7	Scope ID function stores scope data in the built-in memory chip facilitating endoscopy suite management and making scope ready for next-generation system expansion				
2.8	Compatible with the CV-140 and EXERA video imaging system				
3	SPECIFICATIONS :-				
3.1	Optical System	Field of view	100 °		
		Direction of view	Back-ward side viewing 5°		
		Depth of field	5 to 60 mm		

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NO	SPEISIFICATION		QTTY	COMPLIANCE TO REQUIREMENTS : YES/NO	COMMENTS / PROPOSED SPECIFICATION
3.2	Distal End	Outer diameter	13.7 mm		
3.3	Insertion tube	Outer diameter	11.3 mm		
3.4	Bending section	Angulation range	Up 120° Down 90° Right 110° Left 90°		
3.5	Length	Working	1,240 mm		
		Total	1,550 mm		
3.6	Instrument channel	Inner diameter	4.2 mm		
		Minimum visible distance	10 mm from distal end		
4.	COMPONENTS OF STANDARD SET:				
Item	Description				
4.1	Videoscope		3		
4.2	Channel plug		3		
4.3	Injection tube		3		
4.4	AW Channel cleaning adapter		3		
4.5	Channel cleaning brush		3		
4.6	Channel opening cleaning brush		3		
4.7	Suction cleaning adapter		3		
4.8	Semi-disposable biopsy valve (package of 10 pieces)		3		
4.9	Water resistant cap		3		
4.10	Air-water valve		6		

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4.11	Suction valve	6		
4.12	Mouth piece	6		
4.13	Instruction manual	3		
4.14	Re-processing manual	3		
4.15	Carrying case	3		
C	SYARAT-SYARAT PEROLEHAN BARANGAN IMPORT :-			
1	Pembekal mesti pastikan perolehan ini dilaksanakan secara Free On Board (FOB) atau kaedah-kaedah lain seperti yang dinyatakan di dalam Incoterms oleh International Chamber of Commerce (ICC) di mana Agensi bertanggungjawab menguruskan perkara-perkara berkaitan pengangkutan dan insurans			
2	urusan penghantaran hendaklah dikendalikan oleh 'Multimodal Transport Operators' (MTO) yang berdaftar dengan Kementerian Kewangan dari tempat barangan dibeli/dibuat hingga ke destinasi terakhir yang dinamakan oleh Agensi			
3	semua barangan hendaklah dihantar terus dari pangkalan memuat (port of loading) atau tempat-tempat yang dinamakan di negara asal barangan dibeli (country of origin) atau negara pembuat ke pangkalan punggah (port of discharge) yang dinamakan di Malaysia sebelum dihantar ke destinasi terakhir. Perolehan yang diimport dan dibekalkan melalui pelabuhan negara kedua tidak dibenarkan sama sekali			
4	Tawaran harga hendaklah berdasarkan harga FOB atau kaedah-kaedah lain yang seumpama seperti Ex Works (EXW) dan Free Carrier (FCA) di mana perkara-perkara berkaitan pengangkutan dan insurans diuruskan oleh Agensi bermula dari tempat barangan diterima. Kegagalan mematuhi arahan ini akan menyebabkan tawaran penyebut harga/petender tidak akan dipertimbangkan.			

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5	Penyebut harga/petender hendaklah mengemukakan maklumat terperinci atau deskripsi barangan yang ditawarkan bagi tujuan pelawaan sebut harga MTO. Kegagalan mengemukakan maklumat yang tepat dan lengkap boleh menyebabkan penyebut harga/petender bertanggungjawab ke atas tambang (freight) bagi pengangkutan barangan di bawah kontrak berkenaan			
6	Transshipment tidak dibenarkan kecuali tidak terdapat perkhidmatan penghantaran terus melalui kapal/pesawat atau barangan mesti sampai pada tarikh yang ditetapkan. Jika ini berlaku, keutamaan hendaklah diberi kepada kapal/pesawat Malaysia bagi pengangkutan barangan seterusnya			
D	WARRANTY :-			
1	One Year against Manufacturing Defect from Date Commissioning.			
E	SERVICES :-			
1	Two (2) preventive maintenance without-parts at NO charge during warranty period			
2	Supplies have to provide at least two (2) copies of the Operation Manuals in both soft and hard copy during testing and commissioning.			
3	Supplies has to provide at least two (2) copies of Instructions for use Manuals with trouble Shoot Guide, Article Numbers Catalogue and ordering Information.			
F	TRAINING :-			
1	On site by product specialist on proper handling and care and maintenance of scope			

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G	TESTING & COMMISIONING :-			
1	Syarikat/Pembekal mesti mengeluarkan Surat Pemberitahuan T&C 2 minggu sebelum tarikh T&C kepada Pengguna dan Unit Perolehan, Aset & Stor beserta salinan Pesanan Penghantaran dan Invois untuk pihak hospital menyediakan dokumen T&C			
2	Syarikat/Pembekal mesti menyediakan safety test semasa menjalankan T&C dan sesalinan laporan safety test perlu dikemukakan kepada pihak hospital pada hari T&C.			
H	SIJIL PERANTI PERUBATAN (MEDICAL DEVICE) YANG SAHLAKU			
1	Syarikat/Pembekal produk mesti berdaftar dengan pihak berkuasa peranti perubatan dan memenuhi syarat yang ditetapkan.			
I	LAIN-LAIN SPESIFIKASI			
1	Syarikat/Pembekal perlu membekal, menghantar, menguji dan mentauliah salah satu (1) unit "Endoscopic Retrogradecholangiopancreatography (ERCP)" ke Dewan Bedah, Hospital Umum Sarawak. Syarikat/Pembekal perlu berurusan dengan Pegawai Bertanggungjawab di Unit Endoskopi, Hospital Umum Sarawak			