वी.पी. कोईराला स्वास्थ्य बिज्ञान प्रतिष्ठान, धरानको

कोटेशन माग गरिएको सुचना

(सुचना प्रकाशित मिति २०८०/०२/२९)

यस प्रतिष्ठानलाई आवश्यक तपशिलका उल्लेखित भौतिक सामग्रीहरु खरिद गर्नुपर्ने भएकोले इजाजत प्राप्त प्रतिष्ठानमा सुचिकृत फर्म, संस्था, कम्पनीबाट अद्यावधिक फर्म दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र, आ.व.२०७८/०७९ को कर चुक्ताको प्रमाणपत्र प्रतिहरु संलग्न गरी यो सुचना प्रकाशित मितिले ७ दिन भित्र कोटेशन पेश गर्नुहुन सुचित गरिन्छ । माग गरिएको कोटेशन तोकिएको म्यादभित्र प्रतिष्ठानको दर्ता चलानी फांटमा दर्ता गर्नुहुन वा quotation.procurement@bpkihs.edu मा email मार्फत पेश गर्नुपर्नेछ ।

SN.	Product Name	Qty.	Unit
1	High End OT. Table	1	Nos
2	High End OT. Light	1	Nos

Technical Specification of Electro-hydraulic OT Table (High End)

S.N.	Purchaser's Technical Specifications		Bidder's Compliance Sheet		
	Electro-hydraulic OT table		Yes/No.	Page No. in Catalogue	Remarks
	Manufacturer				
	Brand				
	Type/Model				
	Country of Origin				
1.	**Description of Function**				
1.1.	Fully electro-hydraulic operating tables are tables for performing surgical procedures and it works with electrical power and hydraulic system.				
2.	**Operational Requirements**				
2.1.	OT Table is required for general surgery, Laparoscopy,bariatric surgery, CTVS, Spinal surgery, Neurosurgery, ENT, Urology, Ob/Gyno and shall have X-Ray translucent tops.				
2.2.	Electric and hydraulic Operating Table with complete standard accessories.				
3.	**Technical Specifications**				
3.1.	Five section table topincluding divided foot section.				
3.2.	It should made of SS-304 medical Class materials with Durable and Corrosion resistant properties.				
3.3.	The form pad should be memory form with 60 mm thickness with seamless PU leather.				
3.4.	The form should have antibacterial, antistatic, and waterproof properties.				
3.5.	The lifting column should be protected by elastic plastic cover that helps for easy cleaning and aesthetically looking.				

3.6.	The hydraulic system should be high pressure with integrated valve and 24V DC motor.			
3.7.	Table wheel should be inside the Base frame			
3.8.	Table should have electronic Floor Locking system for Stability and movements through lock/unlock floor feet button.			
3.9.	Table should have Pneumatic push Button for Leg plate assembly.			
3.10.	Leg Plate should be controlled by Gas/pneumatic Spring operated.			
3.11.	The keyboard must have a button for zero position.			
3.12.	The keyboard must have lock and unlock button to prevent the accidental press to the button.			
3.13.	Table should have Dual Control Panel of conventional handheld control and remote control.			
3.14.	Table Should be C-Arm Compatible			
3.15.	The Table must have easy click leg plate control by electro-hydraulic and manual.			
3.16.	The table must have beach chair position.			
3.17.	Tabletop must have full length radio translucent for free C-Arm access made of phenolic laminate.			
3.18.	All table positioning, i.e., height, back section, lateral tilt, Trendelenburg, and reverse-Trendelenburg, height adjustment except foot and head section must be operated electrically.			
3.19.	It should have maximum lifting capacity of 300 kg.			
3.20.	The table top sliding (electrical longitudinal shift function) must be minimum of 300 mm for free access to C-Arm			
3.21.	There shall be the provision of attachment of the fracture table (Optional).			
3.22.	**Dimensions (approx.)**			
3.13.1	Lowest Height: 700±20mm			
3.13.2	Height adjustment: 350 mm			
3.13.3	Left/Right tilt: $20^0/20^0$			
3.13.4	Trendelenburg: 30º			
3.13.5	Reverse -Trendelenburg: 30º			
3.13.6	Leg upward/downward: $90^0/90^0$			
3.13.7	Back boar upward/Downward: $75^0/35^0$			
3.13.8	Maximum width: 520 mm or more			
3.13.9	Length: 2050 mm or more			
3.13.1	Hand board upwards: 46^0 or more			
3.23.	**Mechanical Function**			
3.14.1	Kidney elevator: 120 mm			
3.14.2	Head board: detachable			
3.14.3	Leg board: detachable			
4	**Accessories, Spare Parts and Consumables included**			
4.1.	All standard accessories, consumables and parts required to operate the equipment should be supplied.			
4.2.	Hand remote -1			
4.3.	Foot support -1 pair			
4.4.	Arm support – 1 pair			
4.5.	Body strap -1			
4.6.	Shoulder support – 1 pair			
4.7.	Leg support -1 pair			
4.8.	Body support -1			

4.9.	Fixing clamp -1			
4.10.	Mattress – 1			
4.11.	Anesthetic screen -1			
5	**Operational Environment**			
5.1.	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, Humidity, etc.			
5.2.	Power Supply: 220 ±22 VAC, 50 Hz with appropriate power cable and plug.			
5.3.	The internal battery backup must be at least 50-80 operations or about one-week normal operations in case of external electricity failure.			
5.4.	The length of the power cable must be at least 2-3 m.			
6.	**Standards, Medical Device Regulation and Safety Requirements**			
6.1.	Must have product compliance of IEC 60601-1, IEC 60601-2, IEC 60601-2-41			
6.2.	Must submit a valid "Medical devices – Quality management systems – Requirements for regulatory purpose"; EN ISO 13485:2016.			
6.3.	Must submit valid CE certificate (Directive 93/42 EEC on Medical Devices) and/or US-FDA approved.			
7.	**User and Technical Training**			
7.1.	Must provide user training (including how to use and safe handling, keep hygiene the equipment).			
7.2.	Must provide the first step technical training to troubleshooting and maintenance of the machine to the hospital technician and engineers.			
8.	**Up time Service Backup, Warranty/Guarantee**			
8.1.	Should have 1 year replacement of parts & service warranty and another 1 year of free service warranty from the date of complete installation. (Delivery and installation of machine of all the item as per tender.)			
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 quoted equipment with all the listed accessories and consumables to be installed on site and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
10.	**Documentation on site**			
10.1.	User (Operating) manual in English			
10.2.	Service (Technical/ Maintenance) manual in English			
10.3.	Spare parts and consumables price list should be provided in the separate sheet, non-submission leads to the rejection of the bid.			

Technical Specification of OT Light (High End)

S.N.	Purchaser's Technical Specifications		Bidder's Compliance Sheet		
	OT Light (High End)		Yes/No.	Page No. in Catalogue	Remarks
	Manufacturer				
	Brand				
	Type/Model				
	Country of Origin				
1.	**Description of Function**				
1.2.	Surgical lights illuminate the surgical site for optimal visualization of small, low-contrast objects at varying depths in incisions and body cavities.				
2.	**Operational Requirements**				
2.3.	It shall be latest LED technology operating light field with 2 units, one major dome and one satellite dome.				
2.4.	Ceiling mounted LED Surgical Light with complete accessories. Operation Theatre Light, LED with all standard accessories.				
3.	**Technical Specifications**				
3.24.	The light shall adopt LED Technology to create a homogenous light patch without emitting any infrared rays.				
3.25.	Pulse width modulation control LED driving to ensure less heating of LED which increases life of LEDs and no change in Light color Output and light color temperature throughout life.				
3.26.	Lights should have higher watts LEDs to achieve high lumen to watt ratio which leads to lesser energy consumption and low heat at surgical area.				
3.27.	All Dome should have high CRI and get the required shade of light as per different surgical requirements.				
3.28.	Light intensity shall be adjustable between 25% -100%.				
3.29.	Both the dome must have low intensity light for endoscopy mode of 5% dimming or less.				
3.30.	Light Intensity, light field diameter and color temperature should be controlled from light arm control panel and remote-control panel or wall mount control.				
3.31.	Light head shall be of a shape to avoid laminar flow influence by turbulence.				
3.32.	The color temperature shall be synchronized by separate controlled touch panel integrated in the dome.				
3.33.	The light shall be mountable to celling from single center with 360 degree rotation of all arms. Spring arms shall be rotatable at least 360 degrees around its own axis. Each dome head should be rotatable with 360 degree at connecting joint with spring arm and at least 300 degree around its own axis. This feature should be applicable with camera mounted dome also in future upgradability.				
3.34.	The maximum movement angle of the spring arm shall be at least 45 degree down.				
3.35.	Each LED shall be replaceable individually to save cost in case of failure, instead of replacing the module with several LED's.				
3.36.	Must have indicative alarm with failed module no. for easy replacement.				
	Future upgradability				

4.9.	Fixing clamp -1			
4.10.	Mattress – 1			
4.11.	Anesthetic screen -1			
5	**Operational Environment**			
5.1.	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, Humidity, etc.			
5.2.	Power Supply: 220 ±22 VAC, 50 Hz with appropriate power cable and plug.			
5.3.	The internal battery backup must be at least 50-80 operations or about one-week normal operations in case of external electricity failure.			
5.4.	The length of the power cable must be at least 2-3 m.			
6.	**Standards, Medical Device Regulation and Safety Requirements**			
6.1.	Must have product compliance of IEC 60601-1, IEC 60601-2, IEC 60601-2-41			
6.2.	Must submit a valid "Medical devices – Quality management systems – Requirements for regulatory purpose"; EN ISO 13485:2016.			
6.3.	Must submit valid CE certificate (Directive 93/42 EEC on Medical Devices) and/or US-FDA approved.			
7.	**User and Technical Training**			
7.1.	Must provide user training (including how to use and safe handling, keep hygiene the equipment).			
7.2.	Must provide the first step technical training to troubleshooting and maintenance of the machine to the hospital technician and engineers.			
8.	**Up time Service Backup, Warranty/Guarantee**			
8.1.	Should have 1 year replacement of parts & service warranty and another 1 year of free service warranty from the date of complete installation. (Delivery and installation of machine of all the item as per tender.)			
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 quoted equipment with all the listed accessories and consumables to be installed on site and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
10.	**Documentation on site**			
10.1.	User (Operating) manual in English			
10.2.	Service (Technical/ Maintenance) manual in English			
10.3.	Spare parts and consumables price list should be provided in the separate sheet, non-submission leads to the rejection of the bid.			

3.37.	Ready to use HD camera provision.			
3.38.	The detachable HD camera in ready with wireless technology for full HD recording and Live transmission should be available in future provision.			
3.39.	Should have future provision of two-way audio transmission with video conferencing.			
3.40.	Should have obstacle sensing to maintain the intensity without temperature rise.			
	Major Dome			
3.41.	Should have 2 color LED lamps, White & Amber with endoscopic mode.			
3.42.	Central Illuminance should be 160,000 lux			
3.43.	Light field Diameter should be adjustable form 150mm to 300mm.			
3.44.	Color temperature (K), adjustable 3500 – 5000K.			
3.45.	The focal depth should be from 650 mm to 1200 mm.			
3.46.	Color rendering index Ra should be 93 or more and R9 should be 92 or more.			
3.47.	Endoscopy mode illumination should be less than 5% of 160,000 lux.			
3.48.	Number of LED bulbs the light head should not be more than 48.			
3.49.	LED Service life should be more than 60000hrs.			
3.50.	Max. power consumption of all light sources should be less than 100W at maximum setting.			
3.51.	Should have centralized control system and electronic focusing.			
3.52.	The lamp head diameter must be 590mm or more.			
3.53.	Should provide sterilizable and detachable light control handle.			
3.54.	The radiant energy must be less than 3.2 mW/lm^2 so that life of the LED increased.			
3.55.	The temperature rise at the surgeon head level should be less than 2^0C.			
3.56.	It must have a quality LED light and light color outputs should not be changed throughout life cycle.			
3.57.	Should supply either wall mount control or Remote control for each dome.			
	Satellite Dome			
3.58.	Should have single color LED lamps with endoscopic mode.			
3.59.	Central Illuminance should be 160,000 lux			
3.60.	Light field Diameter should be adjustable form 150mm to 300mm.			
3.61.	Color temperature (K): 4000K.			
3.62.	The focal depth should be from 590 mm to 1000 mm.			
3.63.	Color rendering index Ra should be 95 or more and R9 should be 93 or more.			
3.64.	Endoscopy mode illumination should be less than 5% of 160,000 lux.			
3.65.	Number of LED bulbs the light head should not be more than 24.			
3.66.	LED Service life should be more than 60000hrs.			
3.67.	Max. power consumption of all light sources should be less than 80W at maximum setting.			
3.68.	Should have centralized control system and electronic focusing.			
3.69.	The lamp head diameter must be 680mm or more.			
3.70.	Should provide sterilizable and detachable light control handle.			
3.71.	The radiant energy must be less than 3.2 mW/lm^2 so that life of the LED increased.			

3.72.	The temperature rise at the surgeon head level should be less than 2^0C.			
3.73.	It must have a quality LED light and light color outputs should not be changed throughout life cycle.			
3.74.	Should supply either wall mount control or Remote control for each dome.			
4	**Accessories, Spare Parts and Consumables included**			
4.12.	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 not specified above).			
5	**Operational Environment**			
5.5.	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, Humidity, etc.			
5.6.	Power Supply: 220 – 240V AC, 50 Hz with appropriate power cable and plug.			
5.7.	The length of the power cable must be at least 3 m.			
6.	**Standards, Medical Device Regulation and Safety Requirements**			
6.4.	Must have product compliance of IEC 60601-1, IEC 60601-2, IEC 60601-2-41			
6.5.	Must submit a valid "Medical devices – Quality management systems – Requirements for regulatory purpose"; EN ISO 13485:2016.			
6.6.	Must submit valid European CE certificate (Directive 93/42 EEC on Medical Devices) and US-FDA resisted product.			
7.	**User and Technical Training**			
7.3.	Must provide user training (including how to use and safe handling, keep hygiene the equipment).			
7.4.	Must provide the first step technical training to troubleshooting and maintenance of the machine to the hospital technician and engineers.			
8.	**Up time Service Backup, Warranty/Guarantee**			
8.3.	Should have 1 year warranty and 1 year free service.			
8.4.	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
9.	**Installation and commissioning**			
9.2.	The bidder must arrange for the quoted equipment with all the listed accessories and consumables to be installed on site and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
10.	**Documentation on site**			
10.4.	User (Operating) manual in English			
10.5.	Service (Technical/ Maintenance) manual in English			
10.6.	Spare parts and consumables price list should be provided in the separate sheet, non-submission leads to the rejection of the bid.			