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ANX D TO
DGDP TENDER NUMBER 216.07.472.24
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DESCRIPTION OF ITEMS & TECHNICAL SPECIFICATION FOR ARTHROSCOPY SURGERY
EQUIPMENT'S QUANTITY-01, (DP-5)

(Tenderer must fill up this format without changing its basic structure)

Ser no	Description	Technical specification	To be filled up by the Principal/Manufacturer
(a)	(b)	(c)	(d)
1.	General Specification: General specifications are as under :		
	a. Nomenclature	Arthroscopy Surgery Equipment, PVMS-130001(e), Qty-01	
	b. Brand	To be mentioned.	
	c. Model	To be mentioned. Model should be latest.	
	d. Name of Manufacture with Complete Address	To be mentioned.	
	e. Name of Principal with Complete Address	To be mentioned.	
	f. Name of Local Agent with Complete Address	To be mentioned.	
	g. Year of Production	Not before the calendar year of contract.	
	h. Country of Origin & Manufacturer	Group-A (Bangladesh, Australia, Austria, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, Indonesia, Ireland, Italy, Japan, Luxemburg, Netherlands, Norway, Singapore, South Korea, Spain, Sweden, Switzerland, Turkey, UK and USA).	
	i. Port of shipment	Same country of manufacture for main system. Other Items/ Equipment/ Accessories and local supplied item to be mentioned specifically.	
2.	Function/ Capability: a. Function: Arthroscopy Imaging System and Arthroscopic Surgical accessories. b. Capabilities : Knee – ACL Reconstruction, PCL Reconstruction, Meniscus Repair, Shoulder – Labrum, Rotator Cuff Repair and Ankle Joint Ligament Repair and Reconstructive Surgery and other sports injury.		
3	Features/ Facilities: Following technical specifications/ features/ facilities are to be available. a. 4K (3840X2160 Pixel) or latest 3-Chip CMOS camera technology combined with a LED minimum 32" monitor, autoclavable camera head, electronic light guide (ELG) integrated with LED light source, HD image management (HD video recording & stillcapture) system with printer and video trolley system. b. Arthroscopy autoclavable shaver and drill system. c. Knee arthroscopy instruments with accessories. d. Shoulder arthroscopy instruments with accessories. e. Small joint (ankle & wrist) arthroscopy instruments with accessories. f. Hip arthroscopy instruments and standard accessories. g. Arthroscopy irrigation pump system. h. Bi-polar and mono polar arthroscopic radio frequency energy system. j. Assist arm limb (knee, shoulder and ankle) positioner. k. Mosaic Plasty/ OCD (Osteo Chondral Defect) repair system– set with all accessories.		



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4	<p>Technical Specification</p> <p>a. 4K (3840X2160P) or latest 3-Chip CMOS camera technology combined with a LED minimum 32" monitor, auto clavable camera head, electronic light guide (ELG) integrated with LED light source, HD image management (HD video recording & still capture) system with printer and video trolley system consist of: camera head - 4K or latest 3 chip CMOS Qty: 01</p>	<p>(1) Feature and Specification: 4K Camera Head Design or latest, w/ 5 buttons, Autoclavable.</p> <p>(2) Crisp 4K or latest Technology 4K or latest: delivers precise, detailed imaging for multi-specialty visualization.</p> <p>(3) Innovative 3 chip-CMOS Color Imaging: 3 chip CMOS offers a dedicated chip for each color spectrum (red, green, blue), while a single CMOS chip works to blend all colors.</p> <p>(4) Customizable 5-Button Design: Unique 5-button design allows you to customize the system to your preferences so you can easily make adjustments from the or sterile field.</p> <p>(5) Autoclavable to Keep Costs Down: Autoclavable camera heads eliminate the need for expensive sterilization methods. This improves efficiency while maintaining maximum performance.</p> <p>(6) In addition to image clarity and picture, this reliable system has been engineered to withstand mishaps in the or –with features intended to reduce set up time and repair costs to fiber optic cables and camera heads:</p> <p>(a) Prism mounting on camera heads protect against drops up to nearly 4 feet.</p> <p>(b) Gorilla Glass on monitor provides high resistance to accidental scratches from pointed edges on gas columns, or lights or entry doors.</p> <p>(c) Gorilla Glass mitigates the need for protective plexi glass screen covers that could potentially affect the colors of the image new body design allows surgeon to comfortably hold camera head in various positions.</p> <p>(7) Low profile coupler no locking screws required to holds cope in coupler allows surgeon asierind exing with finger operation.</p> <p>(8) Tactiles cope coupler User can feel when the Scope is correctly seated and locked in the other coupler and can then adjust friction to prevent unwanted scope rotation.</p> <p>(9) Multi-function Camera buttons Customizable button functionality. button for CH button configuration, graphical image on monitor, intuitive interface Surgeon access to menu settings program Individual surgeon settings, 8 potential commands.</p> <p>(10) 4K Chip Sensor, CMOS 3Chip Sensor, CMOS improve damage quality and color accuracy.</p>	



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	<p>b. <u>Cable Connector Interface, Qty: 01</u></p> <p>(1) <u>Feature and Specification:</u> Cable Connector Interface (CCI): Designed for flexibility and convenience during both installation and clinical use, the CCI replaces traditional bulky camera boxes with a compact console where the looking glass™ camera head and light cables connect.</p> <p>(2) <u>Easy Connection:</u> Easily connect and disconnect camera heads and light cables.</p> <p>(3) <u>Integration:</u> Integrated USB port connects to image capture to simplify transferring images and video to external memory devices.</p> <p>(4) <u>LED Indicator Lights:</u> LED indicators show when the CCI is powered (green) and when the camera head and light cables are plugged in and initialized (blue).</p> <p>c. <u>4k or latest Integrated Visualization System, Qty: 01</u></p> <p>(1) <u>Feature and Specification:</u> 4K or latest Integrated Visualization System: Has a new look and feel compared to traditional monitors. Remember this is not just a monitor, it's an integrated system housing the camera controller and power source for ELG.</p> <p>(2) Classification: Class1, Type CF Applied Parts.</p> <p>(3) Mains power: 100-240 VAC, 50-60Hz, 0.8 Amp.</p> <p>(4) Image Sensor: 3 CMOS sensors 1/3 inch.</p> <p>(5) Display Resolution: 4K(17:9) (for image resolution of 4096 x 2160).</p> <p>(6) Video Outputs: UHD 3840 x 2160p, 16x9, 50Hz or 60Hz.</p> <p>(7) Weight (console): 32.3 lbs (12.1 kg) (Approximately).</p> <p>d. Cover for minimum 32" 4k monitor, Qty: 01</p> <p>e. Electronic Light Guide (ELG) with Adapter</p> <p>f. <u>Electronic Light Guide (ELG) Qty: 01</u></p> <p>(1) <u>Feature & Benefits:</u> A Bright Future with the Electronic Light Guide (ELG) Say goodbye to fragile fiber optic cables that degrade with handling over time. To help optimize your visualization, the ELG puts the light source directly where you need it - at the scope. The ELG is a reliable, lightweight cable delivering natural lighting realistic color reproduction by achieving consistent and reliable output throughout their lifetime. ELG combines a traditional light source and light cable into one integrated design. Saves valuable space in the or designed reduce cost of compared to sources and fiber optic light guides.</p> <p>(2) Threaded Adapter, Qty: 01</p> <p>(3) Scope Threaded Adapter, Qty: 01</p>		



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	<p>g. <u>Image Capture System - Standard Image Capture System, Qty: 01</u></p> <p>(1) <u>Feature & Benefits:</u></p> <p>(a) Standard Image Capture and Content Management System are the next generation of high definition image capture system that are designed to improve how hospitals manage surgical footage both in and out of the or Featuring an all-in-one integrated design and easy-to-use touch screen interface, this system puts state-of-the-art image capture at your fingertips</p> <p>(b) Dual High Definition Video Inputs: Dual-HDMI video inputs capture surgical footage with crisp, clear image quality which can be later up scaled to 2560 x 1440 resolution</p> <p>(c) Easy-To-Use Touch Screen Interface : minimum 12.5" touch screen provides a familiar smart phone - like user interface. An optional keyboard and mouse are available as well.</p> <p>(d). Wireless Connectivity and Automatic Archiving: System can connect to hospital ASC networks to share files and automatically archive copies of media files to network drives using the MedXStream/ Equivalent App.</p> <p>(e). Convenient Access from Outside the Sterile Field: System can be attached to the Secondary articulating arm of the camera head Video Cart located away from the Sterile field – allowing easy access for nurses.</p> <p>(f). Additional Feature: Capture still images from play back to live stream video and audio for educational applications.</p> <p>h. <u>Technical Specifications:</u></p> <p>(1) Still Capture: Up to 1920 x 1080, Hard Drive Capacity: 1TB or more.</p> <p>(2) Operating System: Windows 10 or latest, (LTSC) "Long Term Service Branch.</p> <p>(3) Power Input: 12 VDC.</p> <p>(4) Overall Dimensions: 415mm (W) x 266mm (H) x 87mm (D) (Approximately).</p> <p>(5) Weight: 3.63 kg (8 lbs) (Approximately).</p> <p>j. <u>30 Deg-157 mm WL, Qty: 01</u></p> <p>(1) The UHD 4 mm scope is intended for customers, such as orthopedic surgeons, who could benefit from a shorter working length and better clarity, such as arthroscopic knee & shoulder procedures.</p> <p>(2) Shorter working length of 157 mm helps; this helps compete with other competitors who also have a similar working length.</p> <p>(3) Increase of the optical quality, to increase the clarity and view.</p> <p>(4) Noticeable improvements in light transmission and vignetting for better clarity and brightness.</p> <p>(5) New sheath system allows for lavaging, which is key for many Arthroscopic cases post operatively to flush out loose debridement.</p> <p>(6) The UHD scopes are compatible with all standard DI eyecup camera heads, i.e., IM8120, 81-10-2100, 81-10-4100.</p> <p>(7) Improved resolution and depth of field bring attention to critical details perception of the working cavity.</p>		



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	<p>k. <u>5.9 mm, Dual Arthroscope Sheath With Obturator System Qty:01</u></p> <p>(1) Features : The updated Bridge design increases durability and provides excellent distal tip protection. Tangent position of the scope and proprietary stopcock design provide excellent flow rates in both the 5.5 mm and 5.9 mm sizes.</p> <p>(2) The Bridge for 4 mm scopes are available in both single and double arthroscope sheath. Two-Connect adapter allows for "bridging" with pressure sensing pumps (4.6 mm Cannulas are not compatible). As with our previous scopes, we offer a standard and retaining bridge cannula; in multiple sizes for multiple requirements. Cannulated obturators are compatible with 3.175 mm switching sticks and partial rods.</p> <p>l. <u>Video Tray Single Level Qty:01</u></p> <p>(1) Camera heads, Scopes, Sheaths, Cannula's and Bridge Systems Scopes, Sheaths, Cannulas and Bridge Systems with internal diameters no less than 2.3mm, outer diameter not less than 2.3mm or greater than 10mm, and with lengths no greater than 404mm may be sterilized in this tray.</p> <p>m. <u>All-in-One Ink Tank Color Printer with Ink Qty: 01-(Printer will be supplied from local source)</u></p> <p>(1) Brand: To be mentioned, (2) Model: To be mentioned (latest version) (3) Year of production : Not before the year of contract (4) Type: Print/Scan/Copy, print Speed Up to 33 ppm, Resolution:5760 x 1440 dpi, Spill-free, error-free refilling</p>		
	n. <u>A4 Size, 100 Sheets, Qty: 01 - (Papers will be supplied from local source)</u>		
	<p>p. <u>Endoscopic Video Trolley/ Cart, Qty: 01</u></p> <p>(1) <u>Specification:</u></p> <p>(a) Upgraded with new articulating arm and new stabilizer and irrigation stand. Video Cart 230 V Same Company Brand as Quoted/ Offered Arthroscopy Equipments. Power Out Let Quantity minimum 10 (ten), Wheels 4.5" Twin Casters, Five adjustable 14" shelves Stainless Steel arms Built in isolation transformer and cord reel Lockable rear doors H: 79.3 / 201.4 W: 22.5 / 57.2 D: 22.5 / 57.2 (Approximately)</p> <p>Note: Dimensions listed are only for the cart; additional equipment or accessories may increase the overall dimensions. Wheels: Quantity 4, 5" twin casters (2 with locks) Power outlets: Qty-10</p> <p>(2) <u>Articulating Arm that supports upto 32" Monitor</u></p> <p>(a) Articulating Arm for Secondary Monitor Folded up Key Board Tray Adjustable Pump Mount</p> <p>(b) Power Cord: minimum 15 ft. with Plug</p> <p>(c) Electrical Ratings 100-240 VAC, 60Hz, 10.6 Amps.</p>		
	q. Primary articulating arm, Qty:01		
	r. Secondary arm with keyboard tray, Qty:01		



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s.	Pump holder,Qty:01		
t.	<p><u>Arthroscopy Auto Clavable Shaver and Drill System Consisting of:</u></p> <p>(1) <u>2-Button Shaver Hand piece, Qty: 01</u></p> <p>(a) <u>Specification:</u></p> <p>i. 2-Button Shaver Hand piece Shaver Hand piece is the ultimate device for Arthroscopic Powered Resection.</p> <p>ii. Best-In-Class Torque 12,000 Rpm for Aggressive Bone Removal</p> <p>iii. Ergonomic Design</p> <p>iv. Directional Blade Insertion</p> <p>v. Forward & Reverse Speed 500 - 12000 Rpm</p> <p>vi. Oscillated Speed 500 - 2500 Cpm</p> <p>vii. Single and Multi Turn Oscillation</p> <p>viii. 4.5mm sterl vortex hooded high speed, Qty: 06</p> <p>ix. 4.2mm full radius resector Qty: 06</p> <p>x. 4.2mm great white Qty: 6</p> <p>(2) <u>Console Drive System with Irrigation 230V, Qty: 01</u></p> <p>(a) <u>Specification</u> (Touch-Screen Electric Console for Shaver and Drill/ Saw): The Powered Instrument Console Drives Powered Instruments and accessories used in the Cutting of Soft Tissue and</p> <p>(3) The Consoles Provide two Hand piece Drive Ports That are used with a Variety of Handpieces. Hand piece Functionality can be Controlled Directly by Surgeon/Doctor to the Hand piece, and/ or by a Corded Footswitch or Wireless Footswitch or OT staff.</p> <p>(4) <u>Single Trigger Electric II Modular Saw Drill HP ,Qty: 01</u></p> <p>(a) <u>Specification:</u></p> <p>i. Small and Light Weight,</p> <p>ii. Powerful Enough to Perform Total Joint / Arthroscopy</p> <p>iii. High Speed for Small Bone and Trauma Applications</p> <p>iv. Variable speed Control Trigger for Maximum Control,</p> <p>v. Constant Unlimited Power Supply,</p> <p>vi. Single Handed Operation of Forward/Reverse Mode Switch,</p> <p>vii. Drill/Ream Mode With Drill Attachment,</p> <p>viii. Speed Range (Forward & Reverse) : 0~1275 Rpm,</p> <p>ix. Torque : 25 In Lbs,</p> <p>x. 5.6 in, L: 3.8 in (Approximately)</p> <p>xi. Weight: 590 g (Approximately).,</p> <p>xii. 1/4 Jacobs chuck Qty: 01 No</p>		
u.	<p><u>Small Joint Saw & Acl Saw Attachment System Consisting of:</u></p> <p>(1) Sagittal saw attachment, Qty: 01</p> <p>(2) UNIVERSAL CABLE 12 FT/3.6 METERS, Qty: 01</p> <p>(3) 9.5 x 25.5 x 0.4mm acl blade, fine, Qty: 05</p>		
v..	<p><u>Knee Arthroscopy Instruments with Accessories Consisting of:</u></p> <p>(1) Acl tibial footprint guide, Qty: 01</p> <p>(2) Pcl tibial guide, Qty:01</p> <p>(3) Guide sleeve straight, 2.4mm, Qty: 01</p> <p>(4) Guide body, Qty:01</p> <p>(5) Graft passing guide pin, 2.4nn x 43cm, Qty: 01</p> <p>(6) 3.5mm dia. Tip, Arthroscopic probe, straight, blue handle, Qty: 01</p> <p>(7) Extended length depth probe / gauge, Qty: 01</p> <p>(8) Tunnel notcher , Qty: 01</p>		



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	(9) Anteromedial Guides		
	(a) Anteromedial guide left, 7/8mm, qty: 01		
	(b) Anteromedial guide right, 7/8mm, qty: 01		
	(10) Constant Diameter Spiral Reamer		
	(a) Cannulated bit 5mm, qty:01		
	(b) Spiral reamer -6.0mm x178.0mm, qty:01		
	(ci) Spiral reamer - 7.0mm x 178.0mm , qty:01		
	(d) Spiral reamer - 8.0mm x 178.0mm, qty:01		
	(e) Spiral reamer - 9.0mm x 178.0mm, qty:01		
	(f) Spiral reamer - 10.0mm x 178.0mm, qty:01		
	(11) Tendon stripper: Open loop tendon stripper 6.6 mm opening, qty:01		
	(12) Curette: (a) 3.0 mm open curette (closed), qty:01		
	(b) 4mm pcl curved curette (closed), qty:01		
	(13) RASP 4.0mm straight rasp, qty:01		
	(14) Microfracturing awl (ii) Awl 30 degree, qty: 01		
	<p>(a) Graft preparation table system. This fully modular system plays a key role during ACL and PCL reconstructive surgeries to prepare soft tissue and bone-tendon-bone autografts or allografts. The system allows the surgeon to interchange the various components to clean, whipstitch, measure, pre-tension, or add a fixation device. The sizing block, sold separately, can accommodate grafts from 3.0mm to 13mm, in 0.5mm increments. The universal slide locks allow for any of the graft preparation table components to be changed intraoperatively, easily and quickly. The slide locks are also fully adjustable via the spring loaded locking button, for one handed adjustments. The Tension Clamp is etched in both Pounds (30 lbs. max) and Newtons (120 N max) for quick referencing during pre-tensioning of the graft for those surgeons who feel it is necessary for satisfactory post-op results. The Graft Clamps are designed to act as an extra set of hands and incorporate atraumatic teeth to prevent damage to the graft:</p>		
	i.	Graft preparation table, qty:01	
	ii.	Prep table slide lock, qty:02	
	iii.	Prep table graft clamp, qty:01	
	iv.	Prep table suture holder, qty:01	
	v.	Prep table tension clamp, qty:01	
	vi.	Prep table scraping board, qty:01	
	vii.	Sizing block grafix, qty:01	
	<p>(b) Meniscal Repair System. This complete system specifically designed for inside-out meniscal repair procedures features cannulas, needles and rasps. Six pre-bent cannulas provide optimum access to all zones of the meniscus with funnel ends that make the loading of needles safe and easy, and fluid venting ports direct fluid away from the surgeon. Double-arm meniscal repair needles are made of stainless steel, and are ultrathin and strong, yet flexible for easy passage. They have #2/0 high strength suture conveniently pre-attached. Meniscal repair needles are made of flexible nitinol, and have a large eyelet at one end to permit easy threading of suture material:</p>		



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	i.	Right anterior cannula, qty:01	
	ii.	Right middle cannula, qty:01	
	iii.	Right posterior cannula, qty:01	
	iv.	Left posterior cannula, qty:01	
	v.	Left middle cannula, qty:01	
	vi.	Left anterior cannula, qty: 01	
	(c)	Arthroscopy Manual/hand Instruments	
	i.	Linear wide bite punch 3.3mm dia., 130mm straight, qty: 01	
	ii.	Linear wide bite oblique punch 3.3mm dia., 130mm 25° left, qty: 01	
	iii.	Linear wide bite oblique punch 3.3mm dia., 130mm 25° right, qty: 01	
	iv	Concept linear alligator grasper, qty: 01	
	v.	Standard scissor 3.4 straight, qty: 01	
	(d)	Instrument Organization and Sterilization System: Sterilization container 3/4 size, 8 inch or more height, Qty: 01	
W.	Shoulder Arthroscopy Instruments with Accessories Consisting of:		
	(1)	Ultra hd 4 mm, 70o scope, 157 mm wl, qty: 01	
	(2)	Soft tissue repair system: >> Designed for arthroscopic or open suturing of shoulder soft tissue >> Large roller wheels increase traction with Shuttle Relay™ and suture material >> Disposable and Limited Reuse interchangeable suture hooks allow precise suture placement in otherwise hard-to-reach areas >> Ergonomic handle design provides ease of maneuverability and handling >> Unique key-lock insertion method allows for simple and reliable suture hook attachment >> For use with #2/0 to #1 monofilament suture, Shuttle Relay or with Super Shuttle Suture Passer	
	(a)	Suture hook handle spectrum ii, qty: 01	
	(b)	Suture hook 60 deg right limited reuse, qty: 01	
	(c)	Suture hook 60 deg left limited reuse, qty: 01	
	(d)	Suture hook straight limited reuse, qty: 01	
	(e)	Super shuttle suture passer, qty: 01	
	(3)	Suture Passer (a) Consistent performance in thick tissue. (b) Two suture passers in one, All-inside suture passing eliminates a step. (c) 18mm bite, Fits down 5.5mm cannula. (d) Updated needle with optimized piercing tip, strong PEEK tab, and polymer coating for smooth actuation. (e) Stiff shaft for durability. (f) Anatomic depth markings on jaw in 5mm increments. (g) Auto pass suture passer, qty: 01 (h) Auto pass disposable needle, qty: 20	
	(4)	Necessary Instruments and Accessories	
	(a)	Looped handled knot pusher, qty: 01	
	(b)	Crochet hook, qty: 01	



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	(c)	Suture retrieval forceps, 3.4mm dia, qty: 01	
	(d)	High strength suture cutter, qty: 01	
	(e)	Rasp liberator knife ii, qty: 01	
	(f)	Arthro. Switching sticks 2 ea, qty: 02	
	(g)	Dry-doc cannula, 7.0mm x 95mm, translucent blue w/ blackcap, packaged sterile, with a disposable obturator, qty: 06	
	(h)	Cannulated obturator (7.0mm x 95mm), black for use with blue-black dry- doc (c7369), qty: 01	
	(j)	Obturator. Cannulated. Ss. Fits 8.4x75mm, qty: 01	
	x.	<u>Small Joint (Ankle & Wrist) Arthroscopy Instruments with Accessories</u>	
		<u>Consisting of:</u>	
	(1)	2.9mm, 30 degree envision auto clavable eyecup scope (for, ankle), qty: 01	
	(2)	4.0mm small joint double stopcock sheath (for, ankle) , qty:01	
	(3)	Standard grasper 2.75 x 90, qty: 01	
	y.	<u>Hip Arthroscopy Instrument and Standard Accessories: Not available</u>	
	z.	<u>Arthroscopy Irrigation Pump System Consisting of:</u> Irrigation Console,	
	(1)	<u>Specification:</u>	
		(a) Features & Benefits:	
		(b) Intuitive One-Step/ One-Hand Cassette Loading	
		(c) Flow Maximum: 2000ml/Min	
		(d) Set Pressure: 150mmhg, Set Pressure: Maximum 150 mmHg	
	(2)	Arthroscopy in/out flow tube set, qty:10	
	aa.	<u>Bi-polar arthroscopic radio frequency energy system</u>	
	(1)	<u>Bi-polar arthroscopic radio frequency energy system</u>	
	(a)	<u>Feature:</u> The RF System is designed for performance, simplicity and safety. In addition to having all the features surgeons want in an arthroscopic RF system, like an intuitive touch-screen interface, the ergonomic hand-piece and choice of hand or foot controls make Edge the most user-friendly RF system available. To improve patient safety, the system provides real-time measurement of the joint fluid temperature and will automatically shut off if a probe comes into close contact with any metal instruments. The single piece electrode design promotes probe integrity throughout the entire procedure.	
	(2)	Arthroscopy energy generator, qty:01	
	(3)	Bipolar rf probe 50 degrees with suction, qty:02	
	(4)	Bipolar rf probe 90 degrees with suction Qty:02	
	bb.	<u>Limb (Knee, Shoulder and Ankle) Positioned Consisting of:</u>	
	(1)	<u>Assistarm limb (knee, shoulder and ankle) Positioner</u>	
	(a)	<u>Specification:</u> Orthopaedic procedures: The unique approach to limb positioning for a widerange of orthopaedic procedures.	
	(2)	<u>Powered Kinetically</u>	
	(a)	A simple push on the foot pedal unlocks the positioned for easy maneuvering	
	(b)	No external power dependencies, resulting in low maintenance costs and minimal downtime,	
	(c)	No pressurized-air conduits to maneuver.	



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	<p>(3) <u>Unparalleled Ease of Use</u> (a) Universal clamp attaches easily and securely to the rail of all types of surgical tables (b) Lightweight carbon fiber construction for easy handling (c) Easy installation ensures rapid or set-up and dismantle (d) Customized disposable sterile kits accelerate or prep and clean-up</p> <p>(4) <u>Limb Stability</u> (a) Limb is positioned by hand for greater tactile feel (b) Reach clinically-relevant limb positions without compromising sterile zone</p>		
	<p>(5) <u>Knee – Ensures Precise Positioning for Full Site Exposure:</u> It can be used in knee arthroscopy (ACL, meniscus, trauma), unicondylar knee replacement, total knee replacement. The ambidextrous knee attachment gives surgical teams the single-handed ability to (a) Easily maintain desired distraction to access operative compartment (b) Achieve hyperflexion, full extension and figure-4 positioning without requiring assistance to manipulate and hold the limb in position.</p> <p>(6) <u>Shoulder – Beach Chair and Lateral Decubitus :</u> Tactile feel during arm movement is essential to assess ligament and muscle tension, as well as validate range of motion. It delivers unparalleled precision for beach chair and lateral decubitus shoulder procedures. (a) Using traction unit in lateral decubitus, the surgeon is able to apply precise traction and rotation when and where needed (b) Surgical assist team does not need to hold limb and can focus on other critical tasks (c) Used in shoulder arthroscopic & open shoulder surgeries, upper-limb trauma, and total shoulder arthroplasty.</p> <p>(7) <u>Ankle – Single-Handed Precision Positioning and Traction :</u> Ankle procedures often require extensive traction to fully access the operating site. The ankle attachment and traction unit gives surgical teams single-handed precision positioning and traction control to streamline efforts and allow surgical staff to focus on core skills</p>		
	(a) Surgical positioner, Qty:01		
	(b) Arm support for shoulder (beach chair) , Qty:01		
	(c) Connector, Qty:01		
	(d) Traction unit, Qty:01		
	(e) Arm support for lateral decubitus, Qty:01		
	(f) Sterile kit for shoulder and knee, Qty:10		
	cc. <u>Mosaicplasty / OCD Repair System and Accessories:</u> The SmartNail implant is a bioabsorbable bone fixation nail intended for use in the fixation of fracture fragments resulting from trauma or osteochondritis dissecans lesions. The self-reinforced manufacturing process preserves high initial mechanical strength and stiffness of the implants. In the presence of adequate immobilization, the SmartNail implant maintains accurate alignment of small bone fractures and apex fragments, osteochondral fragments (OCD Repair), and cancellous non load-bearing fragments after an arthroscopic or open surgery.		
	(1) Handle qty: 01		
	(2) Wrench, qty:01		



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	(3) K-Wire 1.5mm x 170mm, qty:01							
	(4) Arthroscopic Tip 121 mm, qty:01							
	(5) Arthroscopic Piston 190mm, qty:01							
	(6) Drill Bit, 2.4mm x 205mm, qty:01							
	(7) Smart Nail Diameter 2.4 x 16mm, qty:05							
	(8) Smart Nail Diameter 2.4 x 25mm, qty:05							
5.	Standard Accessories: To be mentioned.							
6.	Power Supply: Auto stabilized 220 VAC ± 10%, 50 Hz							
7.	Complete BOQ/BOM. All Foreign & Local supplied items to be listed separately for full range of operation of the equipment as per following table:							
	Ser	Name of item	Qty	Brand	Model	Country of Origin	Country of Manufacturer	Remarks
8.	Local Training							
	a. Operational Training	02x Orthopedic Surgeon for 01 week.						
	b. Repair/Maintenance Training	02x EM Technician for 01 Week.						
9.	Warranty	05 (Five) years from the date of issuance of Inspection Note(I/Note)						
10.	After Sales Service	10 (Ten) years from the date of including warranty period						
11.	Certificate of Quality	FDA/CE/JIS Certificate must be submitted with offer.						
12.	Books and Publication	Following books and publication will be supplied in English along with the stores free of cost (As per requirement of EME Dte).						
	a. Owners/ Operators Manual in English (Book type): 01 x Hard copy original (Book type) for each equipment and 01x CD/DVD (Soft copy) to be provided with the supply of							
	b. Workshop/ Repair Manual in English (Book type):							
	(1) 06 x Hard copies original (Book type) and 01x CD/DVD(Soft copy) to be provided with supply of the equipment.							
	(2) Online workshop/repair software to be mentioned.							
	(3) 03 copies (01 x Original and 02 x photocopies) operation and maintenance manual of all components and accessories to be supplied with main equipment.							
	c. 100% Updated Master Spare Parts Catalogue in English (Book type): 06 x Hard copies original (Book type) and 01x CD/DVD (soft copy) to be provided with supply of the equipment.							
	d. Complete and Updated Master Spare Parts Price Catalogue/ list in English (Book Type): 01 x Hard copy original (Book type) and 01x CD/DVD (soft copy) to be provided with the supply of the equipment.							
13.	If any other feature/items not listed above but required for full range of operation of the offered equipment to be supplied without extra cost with main equipment.							

