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ANX D TO
DGDP TENDER NUMBER 216.07.491.25
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DESCRIPTION OF TECHNICAL SPECIFICATION FOR GYNAE LAPAROSCOPY SET
COMPLETE WITH 4K CAMERA SYSTEM, 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/ Manufacture
(a)	(b)	(c)	(d)
1.	<u>General Specification:</u> General specifications are as under :		
	a. Nomenclature	Gynae Laparoscopy set complete with 4k Camera System, PVMS-NIV, 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, Japan, Luxemburg, Netherlands, Norway, Singapore, Spain, Sweden, Switzerland, Turkey, UK, USA, South Korea & Italy.	
	j. Port of shipment	Same country of manufacture for Main System. Other Items/ Equipments/ Accessories and Local supplied item to be mentioned specifically.	
2.	<u>Technical Specification:</u>		
	<u>a. Gynecological Laparoscopy set with 4K Camera system with fluorescence supported perfusion evaluation facility (ICG) consisting of:</u>	1 set	
	(1) Veress Pneumoperitoneum Needle, with Spring-Loaded Blunt Inner Cannula, Luer-Lock, Autoclavable, Diameter 2.1 mm, Length 15-16 cm	1 pc	
	(2) Trocar with pyramidal tip, size 6mm, cannula with multifunctional valve and insufflation stop-cock, length 10-12cm	3 pc	
	(3) Trocar with pyramidal tip, size 11mm, cannula with multifunctional valve and insufflation stop-cock, length 10-12 cm	2 pc	
	(4) Reducer 11/ 5 mm for use with 11mm trocar cannula	1 pc	
	(5) Reduction sleeve, reusable, instrument diameter 5mm, trocar cannula O.D. 11mm	1 pc	
	(6) Forward oblique telescope 30°, enlarged view, diameter 10 mm, length 31 cm, autoclavable, for indocyanine green (ICG), fiber optic light transmission should be incorporated	1 pc	
	(7) Straight Forward telescope 0°, enlarged view, diameter 5 mm, length 29 cm, autoclavable, for indocyanine green (ICG), fiber optic light transmission should be incorporated	1 pc	

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	(8) Forward-oblique telescope 30°, enlarged view, diameter 5 mm, length 29 cm, autoclavable, for indocyanine green (ICG), fiber optic light transmission should incorporated	1 pc	
	(9) Dissecting and Grasping Forceps (Dolphin tip), rotating, dismantling, insulated, size 5mm, length 34-36cm, double action jaws, length of jaw 18mm, plastic handle without ratchet, with connector pin for unipolar coagulation	1 pc	
	(10) Dissecting and Grasping Forceps (Marryland tip), rotating, dismantling, insulated, size 5mm, length 34-36cm, double action jaws, length of jaw 22mm, plastic handle without ratchet, with connector pin for unipolar coagulation	1 pc	
	(11) Dissecting and Grasping Forceps, alligator jaws, rotating, dismantling, insulated, size 5mm, length 34-36cm, double action jaws, length of jaw 18mm, plastic handle with ratchet, with connector pin for unipolar coagulation	1 pc	
	(12) Dissecting and Grasping Forceps, 2x4 teeth, rotating, dismantling, insulated, size 5mm, length 34-36cm, double action jaws, length of jaw 14mm, plastic handle with ratchet, with connector pin for unipolar coagulation	1 pc	
	(13) Scissors, serrated blades, spoon shaped, curved, rotating, dismantling, insulated, size 5mm, length 34-36cm, double action jaws, length of jaw 20mm, plastic handle without ratchet, with connector pin for unipolar coagulation	1 pc	
	(14) Blakesley Dissecting and Biopsy Forceps, rotating, dismantling, with connector pin for unipolar coagulation, with Luer-Lock connector for cleaning, single action jaws, size 5 mm, length 35-43 cm, Plastic Handle without ratchet	1 pc	
	(15) Coagulating and Dissecting Electrode, L-shaped, size 5mm, length 34-37 cm, with trumpet valve	1 pc	
	(16) Suction Coagulator, size 5mm, length 34-37cm, with trumpet valve	1 pc	
	(17) Injection Needle, Luer-lock, diameter 1.2 mm, size 5mm, length 35-43 cm	1 pc	
	(18) Babcock Grasping Forceps, atraumatic, fenestrated, length of jaw 18mm, rotating, dismantling, insulated, size 5mm, length 34-36cm, double action jaws, plastic handle without ratchet, with connector pin for unipolar coagulation	1 pc	
	(19) Bowel Grasping Forceps, fenestrated, length of jaw 37mm, rotating, dismantling, insulated, size 5 mm, length 35-43cm, Plastic Handle with ratchet, with connector pin for unipolar coagulation	1 pc	
	(20) Koh Macro Needle Holder, with tungsten carbide insert, ergonomic handle with ratchet, left curved jaws, size 5 mm, length 32-34cm	1 pc	
	(21) Bipolar Dissecting and Grasping Forceps, rotating, dismantling, Clermont-Ferrand model, size 5 mm, length 34-36cm, with especially fine atraumatic serration, fenestrated jaws, double-action jaws, length of jaw 18mm, plastic handle with connector pin for bipolar coagulation	1 pc	
	(22) Robi Bipolar Dissecting & Grasping Forceps, Clermont-Ferrand model, rotating, dismantling, with connector pin for bipolar coagulation, especially suitable for dissection, double action jaws, length of jaw 19mm, size 5mm, length 34-36cm	1 pc	



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	(23) RoBi Metzenbaum Scissors, Clermont-Ferrand model, rotating, dismantling, with connector pin for bipolar coagulation, curved slender blades, double action jaws, size 5 mm, length 35-37 cm, Plastic Handle without ratchet	1 pc	
	(24) Suction and Irrigation Tube anti-reflex surface, with two-way stopcock, for single hand control, length 36-43cm	1 pc	
	(25) Olsen Suction or Irrigation Tube, with protection basket, with trumpet valve, size 10 mm, length 34-36 cm	1 pc	
	b. Mangeshkar Uterine Manipulator, consisting of : Handle- 01 Pc Outer Sheath- 01 Pc Forceps Attachment- 01Pc Cap, diameter 28 mm, length 66 mm- 01pc Cap, diameter 33 mm, length 66 mm- 01pc Cap, diameter 38 mm, length 66 mm – 01pc Working Insert, diameter 8 mm, length 50 mm -01pc Working Insert, diameter 8 mm, length 60 mm -01pc Working Insert, diameter 8 mm, length 70 mm -01pc Working Insert, diameter 8 mm, length 80 mm -01pc Working Insert, diameter 8 mm, length 90 mm -01pc Working Insert, diameter 8 mm, length 100 mm -01p Working Insert, diameter 8 mm, length 110 mm -01pc Working Insert, diameter 8 mm, length 120 mm-01pc Manipulator Sheath 5x 6808995 Seal 5x Silicone Leaflet Washer -01pc	1 pc	
	c. Monopolar High Frequency Cord with 4 mm plug for HF-unit, length approx. 300cm	2 pc	
	d. Bipolar High Frequency Cord, length approx. 300cm	2 pc	
	e. Instruments disinfectant (cocospropylene diamine) for surgical instruments, approx. 5L bottle	2 pc	
	f. Disinfection System for cleaning and disinfection solutions, Plastic basin with lid and filter, size approx. 705x220x95 mm	2 pc	
	g. High Flow Electronic CO ₂ -Endoflator, with pin-index connection. Offered system should have following features & benefits: (1) Should have touch screen control for ease of use (2) Flow rate up to 50L/min- (3) Gas heating to body temperature (4) Two insufflation moded for High flow and pediatric applications (5) Can be combined with smoke gas evacuation system for surgical smoke management (6) Small adjustment increments in the lower output range as well as safety (7) limits for pressure and flow	1 pc	
	h. Should have safety system for reducing any intracavitary overpressure <u>Technical Specifications:</u> (1) Gas flow: 1 - 50 L/min (2) Pressure: 1 - 30 mmHg (3) Operating mode: Pediatric & High Flow (4) Gas: CO ₂		



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	(5) Measuring/Control system: Electronic (6) Parameter Displays: Set pressure, Actual pressure, Gas flow, Gas consumption, Status display gas consumption (7) Power supply: 220VAC, 50Hz (8) Certified to IEC 60601-1		
	j. Smoke gas suction/evacuation system, power supply 220VAC, 50Hz (from same source) <u>Offered system should have following features & benefits:</u> (1) Regulated suction and filtering of surgical plume during procedures (2) Can be combined with existing suction pump (3) Individual adjustment of suction power from the sterile field (4) Activation via footswitch or the unit itself (5) Touch key enables smooth insertion of the tubes (6) Compatible with the insufflation unit	1 pc	
	k. 4KUHD Camera system with Inbuilt USB base recording facility, signal output min. 3840x2160 & 1920x1080 pixels, with digital Image Processing Module, progressive scan, freely programmable, soakable, Video outputs- 2xDisplay port, 1x12G/3G-SDI, 1xDVI-D, 4xUSB interface, power supply 220VAC, 50Hz <u>Offered system should have following features/benefits:</u> (1) Integrated documentation unit via USB. (2) Still image capturing in 4K/FULL HD quality (3) Still image capturing can be adjusted by different, timewise variable image freeze selections including picture-in-picture mode. (4) Video capturing in 4K/FULL HD quality (5) Still image and video capturing in 4K/FULL HD quality in picture-in-picture mode for both signal sources simultaneously (6) Should be on screen menu and all units (Insufflator, Light source, monitor etc.) must be controllable from buttons on the camera head.	1 pc	
	l. Cold Light Fountain LED 300 light source with mains cord <u>Features of the system:</u> (1) High performance LED light source (2) Average lamp life of approx. 30000 hours (3) Adjustable brightness control <u>Technical Specifications:</u> (1) Lamp type: High performance LED (2) Color temperature: Approx. 6400K (3) Light outlets: 1 (4) Power supply: 220VAC, 50Hz	1 pc	
	m. Fiber Optic Light Cable, with straight connector, extremely heat-resistant, diameter 4.8 mm, length 240-250cm n. 4K Medical Grade Monitor, size 32inch, screen resolution 3840x2160pixels, image format 16:9, (1) Power supply 220VAC, 50Hz, VESA 100 and VESA 200 mounts (2) Video inputs: 1x Display Port 1.2 1x DVI-D, 1x 12G-SDI, 1x HDMI 2.0 ,1x 3G-SDI (3) Video outputs: 1x Display Port 1.2 1x DVI-D 1x 12G-SDI (4) SDMI 2.01 x 3G – SDI Video outputs: 1x Display port 1.21 x DVI – D 1 x 12G-SDI (5) Additional interfaces: 1x USB Type B ,1x RS-232C, 1x Ethernet 1x DC output,	1 pc	



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	including: 1x External 48 VDC Power Supply, 1x Mains Cord 1x Cable Cover 2x Screws for Cable Cover , 4x Clamping Screws M4, 4x Clamping Screws M6, 1x User Manual	1 pc						
	p. Equipment Cart, narrow, tall, rides on 4 antistatic dual wheels equipped with locking brakes, mains switch on cover, energy beam with integrated electrical subdistributors with: (1) 12 sockets, grounding plugs, approx. (2) Dimensions in mm (wxhxd): Equipment cart: 660x1474x730, Shelf: 450 x 25 x 510, Caster diameter: 150 mm (from same source)	1 pc						
	q. Monitor Swivel Arm (1) height and side adjustable, can be mounted on the left or on the right side, swivel range 180° (2) Reach 780 mm, from center 1170 mm, (3) Loading capacity max. 15 kg, for use with Equipment Carts (from same source)	1 pc						
3.	Standard accessories: To be mentioned							
4.	Optional accessories (if any): To be mentioned							
5.	Power Supply	Auto stabilized 220VAC $\pm$ 10% , 50/60 Hz						
6.	<u>Complete BOQ/BOM.</u> 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
7.	Local Training							
	a. Operational Training	02x Operator for 01 week.						
	b. Repair/Maintenance Training	Not Required						
8.	Warranty	03 (Three) years warranty from the date of issuance Inspection Note (I/Note)						
9.	After sales service	10 (Ten) years from the date of installation.						
10.	Certificate of quality	US-FDA & EU-CE / US-FDA & JIS certificate to be submitted with the offer.						
11.	Books and Publication	Following books and publication will be supplied in English along with the stores free of cost. a. Operational manual – 03 Copies (01x Original & 02x Photocopies) b. Repair/Maint/Service manual including details circuit/Schematic diagrams– 03 Copies (01x Original & 02x Photocopies) c. Parts Catalogue/Master Parts list– 03 Copies (01x Original & 02x Photocopies) d. 100% Spare Parts list with price – 02 x Original copies Note: In addition to hard copy, a soft copy CD/DVD containing all books and publications will be supplied by the supplier free of cost.						
12.	If any other feature/items not listed above but required for full range of operation of the offered equipment to be mentioned and to be supplied free of cost with main equipment.							

