



Running Contract Details	
Equipment Name	Video Thoracoscope with HD Camera &Accessories
Running Contract Valid Till	29-05-2025
Tender Ref No	KMSCL/EP/T489/1633/2022
Tendered Quantity	5
Supplier Name	M/s Neoptic Surgicals
GST No	32ACFPK5938G1ZO
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
35/1476 Kripa South Janatha Road Palarivattom Kochi-682025	Contact Person	Mr. K.J Kurian
	Phone	
	Mobile No	9447039805
	Email	neopticsurgicals@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	HD 3 chip Camera System (1688010000, 1688210105, 1688020122- Stryker) - 1 No <i>Model &amp; Make : Stryker</i>	2677498.28 Incl.GST :12%	197465.5	2874963.78
2	High Definition Medical Grade Monitor - 1 No <i>Model &amp; Make : Stryker/02400310201</i>	328427.65 Incl.GST :12%	24221.54	352649.19
3	LED Light Source with Fibe Optic Cable - 1 No <i>Model &amp; Make : Stryker/02202200001,02330650101</i>	597746.4 Incl.GST :12%	44083.8	641830.2
4	Recording System - 1 No <i>Model &amp; Make : UR4MD/Stryker</i>	310260.18 Incl.GST :12%	22881.69	333141.87
5	Hi -Flow CO2 Insufflator - 1 no <i>Model &amp; Make : Stryker/620040610,Z146539,Z146039</i>	502002.78 Incl.GST :12%	37022.71	539025.49
6	Video Thoracoscope 29cm Length & above (10mm, 45 degree) - 1 no <i>Model &amp; Make : Stryker/502103045</i>	219151.06 Incl.GST :12%	16162.39	235313.45

Item-wise Price Details				
7	Video Thoracoscope 29cm & above Length (10mm, 30 degree) - 1 No. <i>Model &amp; Make : Stryker/502103030</i>	219151.06 Incl.GST :12%	16162.39	235313.45
8	Video Thoracoscope 29 cm & above Length (5mm, 30 degree) - 1 No <i>Model &amp; Make : Stryker/502503030</i>	219151.06 Incl.GST :12%	16162.39	235313.45
9	Endoscopic Trolley with Video Cart - 1 No <i>Model &amp; Make : Stryker/MIDIND01110002</i>	150475.72 Incl.GST :12%	11097.58	161573.3
10	Satinsky Vascular grasping forceps left curved jaws, single action 50mm atraumatic jaw, size 5mm, length 330 mm with axial type metal handle with ratchet - 1 No <i>Model &amp; Make : Stryker/300-490-200</i>	74900.96 Incl.GST :12%	5523.95	80424.91
11	0 Trocar and cannula, metal, size 11 mm length 100 mm , with lever lock adapter , reusable and autoclavable silicon valves and blunt obturator - 1 No <i>Model &amp; Make : Stryker OEM/ 300-222-011,300-242-011</i>	60016 Incl.GST :12%	4426.18	64442.18
12	Trocar and cannula, metal, size 5 mm length 100 mm , with lever lock adapter , reusable and autoclavable silicon valves and blunt obturator - 1 No <i>Model &amp; Make : Stryker OEM/300-222-055,300-242-055</i>	58875.2 Incl.GST :12%	4342.05	63217.25
13	Satinsky Vascular grasping forceps left curved jaws, single action 40mm atraumatic jaw, size 5mm, length 330 mm with axial type metal handle with ratchet - 1 No <i>Model &amp; Make : Stryker OEM/300-490-245</i>	71366.96 Incl.GST :12%	5263.31	76630.27
14	Crawford vascular clamp ,35mm atraumatic jaws , single action size 5mm length 330mm , with axial metal handle with ratchet - 1 No <i>Model &amp; Make : Stryker OEM/300-490-204</i>	68700.96 Incl.GST :12%	5066.7	73767.66
15	Bipolar Rotary grasping forceps - 1 No <i>Model &amp; Make : Stryker OEM/300-860-134,300-860-013</i>	193708.96 Incl.GST :12%	14286.04	207995
16	Bipolar Scissors - 1 No. <i>Model &amp; Make : Stryker OEM/300-860-134,300-860-018</i>	203112 Incl.GST :12%	14979.51	218091.51
17	Trocar and cannula, metal, size 11 mm length 100 mm , with lever lock adapter , reusable and autoclavable silicon valves and blunt obturator - 1 No <i>Model &amp; Make : Stryker OEM/300-420-072</i>	57288 Incl.GST :12%	4224.99	61512.99
18	Trocar and cannula, metal, size 11 mm length 100 mm , with lever lock adapter , reusable and autoclavable silicon valves and blunt obturator - 1 No.	60016 Incl.GST :12%	4426.18	64442.18
19	Dissecting and Grasping Forceps - 1 No. <i>Model &amp; Make : Stryker OEM/300-440-021</i>	60760 Incl.GST :12%	4481.05	65241.05
20	Coagulating and Dissecting Forceps - 1 No <i>Model &amp; Make : Stryker OEM/ 300-420-732</i>	54808 Incl.GST :12%	4042.09	58850.09

Item-wise Price Details							
21	Clip Applicator small medium - 1 No <i>Model &amp; Make : Stryker OEM/ 300-803-001,300-803-002</i>			117552 Incl.GST :12%	8669.46	126221.46	
22	Bowel Grasper - 1 No <i>Model &amp; Make : Stryker OEM/300-470-314, 300-470-291</i>			68696.36 Incl.GST :12%	5066.36	73762.72	
23	Palpation Probe - 1 No <i>Model &amp; Make : Stryker OEM/ 300-193-335</i>			7688 Incl.GST :12%	566.99	8254.99	
24	Hook Dissector - 1 No <i>Model &amp; Make : Stryker OEM/300-163-420</i>			20832 Incl.GST :12%	1536.36	22368.36	
				<b>6402185.59</b>	<b>472161.19</b>	<b>6874346.78</b>	
Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
<b>HD 3 chip Camera System (1688010000, 1688210105, 1688020122- Stryker) - 1 No</b>							
Labour	76,329.00	76,329.00	76,329.00	76,329.00	76,329.00	76,329.00	76,329.00
Comprehensive	1,52,658.00	1,52,658.00	1,52,658.00	1,52,658.00	1,52,658.00	1,52,658.00	1,52,658.00

### Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

### Technical Specification

#### Equipment :HD 3 chip Camera System (1688010000, 1688210105, 1688020122- Stryker) - 1 No

##### 1. High Definition Camera System

- a. Three chip high definition camera system
- b. The system should be truly Digital HDTV endoscopic video camera. The system should have the maximum Resolution of 1920 X 1080 pixels, progressive scan and the consistent use of 16: 9 formats for Input & Output to guarantee genuine HDTV.
- c. The system should have facility of Optical / Digital Zoom lens to enhance the quality of Image size & cross specialty usage of the camera system, regardless of the telescope used.
- d. USB Port for Capturing FULL HD Videos/ HD Stills in External USB drive and direct interface of USB to facilitate direct printouts or external recording
- e. System should have facility of controlling additional equipments like light source/ insufflators and recording device from the camera head.
- f. System should have facility to offer various visualization modes for surgery and diagnosis by shifting the color spectrum like

- BLUE / GREEN light for recognition of the finest tissue Structures and their differentiation.
- g. Parallel live display of visualization modes besides white light mode (picture-in-picture).
- h. Modular design: Digital FULL HD camera module should be compatible for use with video flexible endoscopes.
- i. Image sensor: 3X1/3'' CMOS/CCD
- j. Pixels: 1920 x 1080
- k. AGC: Microprocessor controlled
- l. Lens: Integrated Zoom Lens  $f = 15-31$  mm (2x optical zoom)
- m. Minimum light sensitivity: 1.17 Lux ( $f = 1.4$  mm).
- n. Control buttons: at least 3 (2 of them freely programmable).
- o. Video output: 2 x DVI-D output, 1 x 3G-SDI output, 3 x camera input for communication with compatible camera modules, LAN connection, 4 x USB connection (2 x front, 2 x back).
- p. Input: Keyboard input for character generator. 5- pole DIN socket.
- q. Power Supply: 100-240 VAC 50/60 Hz

## 2.High Definition Medical Grade Monitor

- a. HDTV display in original 16: 9 HDTV format.
- b. 1080 p/ 50 & 1080 p/60 displays possible.
- c. LED crystal display.
- d. Max. Resolution of 1920X1080.
- e. Screen diagonal – 26".
- f. Desk top with pedestal and wall swivel mounts one each
- g. Should have the facility of PIP mode.
- h. Aspect Ratio 16:9 HD format
- i. Brightness: 500 cd/m<sup>2</sup>
- j. Maximum viewing angle: 178°vertical
- k. Contrast ratio: 1400: 1
- l. Reaction Time- 8m s
- m. Rated power: 115 watts
- n. Power Supply 100-240 VAC
- o. Screen Dimensions: 643 x 396 x 87mm
- p. Video Inputs: 2x DVI-D , 2x 3G SDI, 1x S Video, Composite 1x RGB/VGA, 1xRS 232, 1x RJ 45 Interface.
- q. Output: 1x DVI, 1x3G SDI, 1x S-Video
- r. Accessories External 24VDC Power Supply, Mains Cord, Pedestal
- s. Certified to: EN 60601-1, protection class IPX 1
- t. DVI Cable: 10 mtrs for interconnecting the monitors

## 3 .LED Light Source with Fiber Optic Cable

- a. Lamp type : LED Type , Intensity should be equivalent to Xenon 300W
- b. Color temperature should be range of 6000K to 6400K
- c. Light Outlet -1
- d. Light intensity adjustment: Continuously adjustable either manually of automatically by camera video output signal
- e. Should be supplied with diameter 4.8mm, length 300 cm
- f. Certified to: IEC 601-1 & UL 544 CE according to MDD, protection class 1/CF
- g. LED light source shall be replaced in the warranty or CAMC period, if intensity deviates by 30%

## 4. Endoscopic Trolley with video Cart –

- a. Trolley to accommodate all the above equipment
- b. Should have movable arm to mount monitor for easy height adjustments
- c. Pedestal monitor stand with adequate weight bearing capacity to be supplied for carrying slave monitor. The rate shall be quoted along with the rate of trolley in BoQ
- d. Should provide one each of video thoracoscope 29 cm length & above (10mm, 45 deg, 10 mm 30 deg, and 5mm, 30 deg) with aspherical lens
- e. Should have safety certificate from a competent authority CE/FDA (US). Other equivalent certificates will not be accepted
- f. Should have valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/test report shall be produced along with the technical bid
- g. HD telescope with aspherical lens technology ICG/IR Compatible for 10mm 45 degree Telescope – Qty 01 each
- h. The telescope should be HD Telescopes, Compatible with advanced HD camera systems and should have better light

transmission to provide high quality images and videos with increased edge brightness when compared to standard scopes

- i. The telescopes should have aspherical rod lens technology for minimized optical distortion better centre to edge resolution and reduced fish-bowl effect. The telescopes should enable visualization of infrared wavelength when connected to IR system. Should have triple tube medical grade stainless steel design and laser welded enclosures for increased quality and durability over standard scopes. The telescopes should be fully autoclavable, ETO & plasma sterilizable

#### 5.HD Image and Video Management System

1.The system should be a full HD 1920 X 1080 Video & Image Recording System with 3.5” live view, playback or GUI for quick set-up and ease of use. Network capable & file transfer via Ethernet. Three simultaneous recording possible (up to 2 external USB drives & 1 external HD). Internal /External storage of 500GB. Auto sensing video connections and automatic in & out video resolution detection. Share & playback of video possible. Multiple HD/SD and inputs/outputs. Remote control, foot-switch, card/barcode reader and keyboard (optional). Safe auto shut down in case of power interruptions

#### 6. High flow 45 ltrs or above Co2 gas insufflations unit with heated gas

- a. High flow 45 ltrs with LCD display with touch interface
- b. Soft approach pressure control for safe recovery of abdominal pressure
- c. Should have touch screen control and visual and audible alarms with min 0.1 L flow rate
- d. Dedicated modes for endoscopic vein harvesting & high flow mode for advanced procedures
- e. Integrated gas heating for controlled & heated Co2
- f. Internal leakage detection capability
- g. Unit should include hose, yoke, heated tubing, tube set adaptor
- h. Should be US FDA approved

#### 7. VAT Instruments

- a. Satinsky vascular grasping forceps left curved jaws, single action 50 mm atraumatic jaw, size 5mm, length: 330 mm with axial type metal handle with ratchet-1
- b. Trocar and cannula, metal, size 11 mm length 100 mm, with lever lock adapter, reusable and autoclavable silicon valves and blunt obturator-2
- c. Trocar and cannula, metal, size 5 mm length 100 mm, with lever lock adapter, reusable and autoclavable silicon valves and blunt obturator-2
- d. Satinsky vascular grasping forceps left curved jaws, single action 40 mm atraumatic jaw, size 5mm, length: 330 mm with axial type metal handle with ratchet-1
- e. Crawford vascular clamp, 35mm atraumatic jaws, single action size 5mm, length 330 mm, with axial metal handle with ratchet-1
- f. Bipolar rotary grasping forceps-1
- g. bipolar scissors-1
- h. Metzenbaum scissors, curved, doubleaction 15mm blade size 5mm, length 330mm, rotatable with peek polymer handle without ratchet-1
- i. Trocar and cannula, metal, size 11 mm length 100mm, with lever lock adapter, reusable and autoclavable silicon valves and blunt obturator-1
- j. Dissecting and grasping forceps-2
- k. Coagulating and dissecting forceps-2
- l. Clip applicator small medium 2
- m. Bowel Grasper 2
- n. Palpation Prome 1
- o. Hook Dissector 1
- p. All equipments should be compatible with instruments mentioned for system compatibility
- q. All items should be USFDA certified, certificate should be submitted with tender documents

**Note:** If CDSCO (Central Drugs Standard Control Organization) certification is required for the import and marketing of the equipment, then the same shall be submitted along with the technical bid