



Running Contract Details	
Equipment Name	HD Laproscopic System
Running Contract Valid Till	10-11-2021
Tender Ref No	KMSCL/EP/T328/619S/2019(R)
Tendered Quantity	50
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 Laproscopic System Camera Control Unit & Camera Head <i>Model & Make : 1488(1588) /Stryker</i>	1073898.97 Incl.GST :12%	79200.05	1153099.02
2	Teac Recorder <i>Model & Make : TEAC UR-4MD Full HD1920*1080,Video Recording System</i>	296776.03 Incl.GST :28%	19151.33	315927.36
3	Light Source <i>Model & Make : PKG, PRECISION LED LIGHT SOURCE - INTERNATIONAL KIT</i>	333598.05 Incl.GST :12%	24602.86	358200.91
4	Medical Monitor <i>Model & Make : 26 LED Monitor - strker vision Pro26"LED Display</i>	332646 Incl.GST :12%	24532.64	357178.64
5	Light Cable <i>Model & Make : 5mm*10Ft Fiber optic Light cable</i>	17656.97 Incl.GST :28%	1139.43	18796.4
6	Electronic Insufflator <i>Model & Make : Stryker 20 Ltr High Flow Insufflator</i>	222323 Incl.GST :12%	16396.32	238719.32

Item-wise Price Details				
7	Telescope 0 Degree <i>Model & Make : 10mm,0 Deg,33 CMs AIM HD Laparoscope,ICG & IR Compatible, A/c</i>	223937 Incl.GST :12%	16515.35	240452.35
8	Telescope 30 Degree <i>Model & Make : 10mm,30 Deg,33 CMs AIM HD Laparoscope,ICG & IR Compatible, A/c</i>	223937 Incl.GST :12%	16515.35	240452.35
9	Telescope 45 Degree <i>Model & Make : 10mm,45 Deg,33 CMs AIM HD Laparoscope with IR compatibility, A/c</i>	223937 Incl.GST :12%	16515.35	240452.35
10	Trolley <i>Model & Make : Video Trolley with cylinder Brackets & 6 power Sockets(Indian)</i>	83760.01 Incl.GST :18%	5863.2	89623.21
11	Stabilizer <i>Model & Make : Stabilizer (Indian)</i>	14160 Incl.GST :18%	991.2	15151.2
12	CO2 cylinder <i>Model & Make : CO2 cylinder (Indian)</i>	10030 Incl.GST :18%	702.1	10732.1
13	HD 3 chip camera head and control unit with recording and ICG facility HD 3 chip Camera head and control unit <i>Model & Make : Model 1588 Three Chip HD Camera CCU, Model 1588 HD 3 Chip Camera Head with 18 mm Coupler</i>	1655047 Incl.GST :12%	122059.72	1777106.72
14	TEAC Recorder - ICG facility <i>Model & Make : TEAC UR -4MD Full HD 1920*1080 Video Recording System</i>	296776.03 Incl.GST :28%	19151.33	315927.36
15	Light Source for ICG System <i>Model & Make : Model L 10 LED Light Source, 400 Watts</i>	445593.01 Incl.GST :12%	32862.48	478455.49
16	Light Cable & Adaptor <i>Model & Make : AIM Safelight Fiber Optic Light cable 5 mm*10Ft AIM safe Light cable Adaptor</i>	44517.99 Incl.GST :28%	2872.8	47390.79
17	Hi-Flow Insufflator - Electronic Insufflator <i>Model & Make : Strykers 45Ltr pneumoSure XL Co2 Insufflator</i>	445746 Incl.GST :12%	32873.77	478619.77
18	Hi-Flow Insufflator - Tube set Adaptor <i>Model & Make : Tube Set F114 Reusable with Heating, Tube Set Adaptor for Pneumosure For Heating Tube</i>	10812.01 Incl.GST :28%	697.71	11509.72
		5955152.07	432643	6387795.07

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
HD Laproscopic System							
Labour	76,416.68	76,416.68	1,06,983.35	1,06,983.35	1,37,550.02	2,29,250.03	2,29,250.03
Comprehensive	1,37,550.02	1,37,550.02	1,68,116.69	1,68,116.69	1,98,683.36	2,59,816.70	2,59,816.70

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% 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 Laproscopic System

I. HD 3 chip High definition Camera System with recording facility (External or Internal)

1. The system should be truly Digital HDTV endoscopic video camera.
2. The system should have the minimum Resolution of 1920 x 1080 pixels, progressive scan and the consistent use of 16:9 format for Input & Output to guarantee genuine HD TV.

II. HD 3 chip High definition Camera Head

1. 3 chip HD Camera Head resolution 1920 x 1080 pixel, 3x1/3" CCD/CMOS Progressive Scan 60HZ at least with 2 freely programmable Camera Head buttons and optical zoom lens of 2x dynamic optical / digital zoom range.
2. The system should have special features:
 - a) Should optimize image quality & Digital Source Sampling thus maximizing hi-fidelity image transmission.
 - b) The system should have Optical Zoom/ digital Zoom to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of the telescope used
 - c) The system should automatically optimize all settings. The system should be ready to-use as soon as it is connected to the camera control unit.

III. HD 3 chip High definition Camera Control Unit

1. AGC: Microprocessor controlled
2. The system should have the following features:
 - a) Camera system should have at least two camera buttons to control the various functions of the camera from the camera head.
 - b) Should have the facility to add fiberoptic filter
3. All the camera head button functions can be also controlled by the keyboard/touch screen from a non sterile field.
4. Video Outputs – DVI,HD SDI,S-Video/ S-Video Converter
5. DVI Connecting Cable
6. Power supply — 220-240 VAC 50/60 HZ

7. Should have safety certificate from a competent authority CE issued by a notified body registered in European Commission / FDA (US).

IV. Medical Monitor

1. Medical grade 26" or more FULL HD TFT/LCD/LED flat panel Monitor with color systems PAL, NTSC.
2. Maximum screen resolution 1920 x 1080 pixels, Image format 16:9
3. Video inputs: DVI, HD-SDI, VGA, S-Video, Composite
4. Video outputs: DVI, HD-SDI, S-Video
5. Power supply 220 - 240 VAC, 50/60 Hz
6. Monitor Stand, with integrated cable channel, for use with Monitor.

V. Recording Device

1. HD Image capture facility with External/ Inbuilt recording; Should supply the necessary storage hardware-External or Internal hard disk / USB drive of at least 250GB capacity- along with. In case of external recording device it should be from the same manufacturer.
2. Should be able to take video and still images during surgeries.
3. The system should support to take still images from recorded video footages

VI. Cold Light Source:

1. LED light source equivalent to 300 W
2. Standby mode
3. Universal jaw assembly to adapt any make of fibre optic cable
4. Fibre optic light cable with straight connector size 4.8mm or above, length 300 cm or above. heat resistant
5. Heat Resistant
6. Adjustable brightness control
7. Should have Light intensity indicator.
8. In case of integrated light source, rate for separate light source as per specification to be offered.

VII. Electronic Insufflator

1. Electronic insufflator of 20 litres of high flow/minute with warmer.
2. Soft approach pressure control for safe recovery of abdominal pressure.

3. Audio visual alarms

4. Should be supplied with in-let and out-let gas tubings, Universal Wrench and tools required, Sterile Filter package of 10 pieces.

5. Should have display for pressure, flow rate and total flow

6. Should have Co2 cylinder level indicator.

7. Should work with input 200 to 240Vac 50 Hz supply.

8. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.

VIII. Telescope 0° – High definition

Straight forward Telescope 0o, Enlarged view, Diameter 10mm, length at least 31 cm, Autoclavable, Fiber optic light transmission incorporated.

IX. Forward – Oblique Telescope 30o High definition

Enlarged view, diameter 10mm, length at least 31 cm, Autoclavable, fiber optic light transmission incorporated.

X. Forward – Oblique Telescope 45 / 50 degree High definition

Enlarged view, diameter 10mm, length at least 31 cm, Autoclavable, fiber optic light transmission incorporated.

XI. Trolley & CO2 cylinder

1. Should be supplied with suitable trolley.

2. Trolley should have provision to hold gas cylinders.

3. Trolley should have at least 6 power sockets to connect the camera, insufflator, light source, monitor etc.

4. CO2 cylinder B type –filled

XII. The Camera, Monitor, Light Source and electronic Insufflator should be from the same manufacturer.

XIII. If ICG fluorescent image facility is available with the tenderer, then the rate for the Camera Unit and Light source for the ICG shall be offered separately – which will not be taken for evaluation.

XIV. Hi-Flow Insufflator (if available shall be quoted separately. Rate will not be taken for evaluation)

1. Electronic insufflator of 40 litres of high flow/minute with warmer adjustable from 0 to 40 litres
2. Soft approach pressure control for safe recovery of abdominal pressure.
3. Audio visual alarms
4. Should be supplied with in-let and out-let gas tubings, Universal Wrench and tools required, Sterile Filter package of 10 pieces.
5. Should have display for pressure, flow rate and total flow
6. Should have Co2 cylinder level indicator.
7. Should work with input 200 to 240Vac 50 Hz supply.
8. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.