



Running Contract Details	
Equipment Name	3D Laproscopic Set with Instruments Type B
Running Contract Valid Till	11-02-2024
Tender Ref No	KMSCL/EP/T356(R)/1131B/2019
Tendered Quantity	10
Supplier Name	M/s Serumbiologicals
GST No	32FKIPS9153R2Z4
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	
Rajagiri Southgat Thirunakkara Kottayam	Contact Person	Sunilkumar
	Phone	4812563636
	Mobile No	9745163636
	Email	serumbiologicals@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	3D Scope with all accessories mentioned in the specifications <i>Model & Make : Various items/Olympus</i>	1568147 Incl.GST :12%	115650.84	1683797.84
2	3D Central Processing Unit with Camera head and all accessories mentioned in the specifications <i>Model & Make : WA50082A</i>	1402052.74 Incl.GST :12%	103401.39	1505454.13
3	Light Source LED with 300 W Xenon Standby with all accessories mentioned in the specifications <i>Model & Make : OTVS 300/Olympus</i>	269885 Incl.GST :12%	19904.02	289789.02
4	Monitor 3D with 4K (50 to 55 inch) with all accessories mentioned in the specifications <i>Model & Make : LMDX5505T</i>	2836638.72 Incl.GST :28%	183051.84	3019690.56
5	Dual channel Image Recorder with all accessories mentioned in the specifications	743299.2 Incl.GST :12%	54818.32	798117.52

Item-wise Price Details							
6	Electronic Insufflator 40 L with all accessories mentioned in the specifications			428051.9 Incl.GST :12%	31568.83	459620.73	
7	Full HD 2D camera Head IR compatible as mentioned in the specifications <i>Model & Make : CH-S-200-XZ-EB</i>			884276.66 Incl.GST :18%	61899.37	946176.03	
8	Light Guide Cable <i>Model & Make : WA03310A</i>			79253.23 Incl.GST :18%	5547.73	84800.96	
9	Light weight Polarized Glass (Quote rate for 1 no)			666.7 Incl.GST :18%	46.67	713.37	
10	Cidex Tray as mentioned in the specifications (Quote rate for 1 no)			5900 Incl.GST :18%	413	6313	
11	Trolley as mentioned in the specifications <i>Model & Make : TC-C4</i>			249043.43 Incl.GST :18%	17433.04	266476.47	
12	Formalin Chamber as mentioned in the specifications (Quote rate for 1 no)			3540 Incl.GST :18%	247.8	3787.8	
13	Sterile Camera Cover as mentioned in the specifications (Quoterate for 1 no)			1180 Incl.GST :18%	82.6	1262.6	
14	One 3D monitor, full HD with 24 inch or above in screen size -			1385153 Incl.GST :28%	89385.65	1474538.65	
15	One 2D Scope IR compatible 30 degree scope			327787.99 Incl.GST :12%	24174.36	351962.35	
16	Monitor 3D with 4K (30 to 35 inch) with all accessories mentioned in the specifications			1775230.99 Incl.GST :28%	114557.87	1889788.86	
				11960106.56	822183.33	12782289.89	
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
3D Scope with all accessories mentioned in the specifications							
Labour	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comprehensive	2,37,411.00	2,37,411.00	2,37,411.00	2,37,411.00	2,37,411.00	2,37,411.00	2,37,411.00

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 :3D Scope with all accessories mentioned in the specifications

A. 3D SCOPE

1. The 3D scope should be of 10 mm diameter, with High Resolution, Dual Lens, chip on tip technology
2. Should have Dual Lens technology for Left and Right image signals
3. The 3D scope should have Degree of Vision (DOV) of 30 degree
4. The 3D scope should provide Full HD native resolution 1920 X 1080 p
5. The 3D scope should be focus free with minimum Depth of Field 20 mm, and a wide field of view of at least 60 degree
6. The 3D scope should have an effective working length of 290 mm or more
7. The 3D telescope design should seamlessly eliminate the image rotation distortion, associated with 3D vision
8. The 3D scope should have integrated cable and camera connectors
9. Should have provision for switch over between 3D and 2D observation modes, from the 3D telescope
10. Should be possible to autoclave the 3D scope or use sterile camera cover. The rate for the sterile camera cover should be offered separately which will be taken for evaluation. For evaluation rate of 10 Nos cover shall be taken.

B. Central Processing Unit

1. Should have a single module with integrated processor and mixer
2. Should have an advanced module with integrated processor & mixer to process both Left and Right image signals and to transmit the 3D image
3. Should adopt polarizing system for image reproduction, for using economical eye-ware for flicker-free and bright image
4. Should be capable of processing the video imaging using optically filtered light of green and blue wavelengths, to better delineate the capillary structures, in both 3D and 2D modes
5. Should have the facility to connect routine camera heads for use with non video telescopes
6. Should have the facility to connect video scopes like Flexible Cystoscope and Ureteroscope
7. Should be capable of providing the following 3D transmission outputs - 3G-SDI Line by line and side by side HD-SDI

C. Light Source

1. Should have an LED light source equivalent to 300 W Xenon light
2. Should have facility for automatic brightness control for distribution of light, evenly over the image field
3. There should be a standby 300W Xenon light source

D. Monitor 3D with 4K

1. The monitor should be 3D with 4K
2. The monitor should upscale the High Definition (HD) image from the Central Processing Unit (CPU) to 4K, both in 3D and 2D modes
3. The 3D with 4K monitor should be in the following screen sizes
 - a. 30 to 35 inch (Resolution 4096 X 2160 p) – Optional only. The rate will not be taken for L1 calculation
 - b. 50 to 55 inch (Resolution 3840 X 2160 p) with suitable trolley

These two monitors should be quoted separately in the BOQ.

4. The 3D with 4K monitor should have Opti Contrast panel, for more contrast and to avoid reflection from external light.
5. The 3D with 4K monitor should have 3G/HD-SDI, DVI-D inputs for 3D and 2D image display
6. The 3D with 4K monitor should have 3D/HD-SDI, DVI-D Output for 3D and 2D image transmission
7. The 3D with 4K monitor should have brightness adjustment feature when switching between 2D and 3D images

E. Image Recorder

1. Should be supplied with dual channel High Definition video recording device with memory of 4 TB or more
2. Should have the facility for capture, store and transmit 3D and 2D images and videos
3. Should have the facility to overlay the voice of surgeon on the video, for teaching purposes

F. Electronic insufflator of 40 litres or above of high flow per minute

1. Electronic insufflator of 45 litres of high flow per minute
2. Soft approach pressure control for safe recovery of abdominal pressure
3. Should have audio visual alarms
4. Should be supplied with inlet and outlet gas tubing, Universal Wrench and tools
5. Should work with input 200 to 240V AC, 50 Hz supply

G. Accessories

1. Should be supplied with 10 numbers of light weight polarized glasses
2. Should be supplied with a Full HD 2D camera head; 3 CMOS/3CCD technology; Resolution 1920 X 1080 p; Optical zoom from 0.8X to 1.8X, which can be seamlessly varied; IR compatible camera for use with Indocyanine Green; Light weight, less than 250 gms
3. Should be supplied with a suitable light cord cable
4. Necessary cables to connect all the equipment
5. Should be supplied with a suitable trolley, which should have at least 6 power sockets and the provision to hold carbon dioxide gas cylinder
6. Cidex tray – 4 numbers
7. Formalin chamber – 2 numbers

H. Certifications

1. Should have safety certificate from a competent authority CE issued by a notified body registered in European Commission / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL for this camera system.
2. All items should be quoted and supplied shall be from the same manufacturer except Cidex tray and Formalin chamber.