



Running Contract Details	
Equipment Name	HD Camera System for ENT- HD 3 chip camera head and control unit with recording facility
Running Contract Valid Till	07-05-2020
Tender Ref No	KMSCL/EP/T271/619C/2018(R)
Tendered Quantity	25
Supplier Name	M/s Lakshmi Surgicals
GST No	32AACFL2603A1ZB
Model & Make	Karl Storz HD Camera System for ENT Karl Storz GmbH & Co Germany
Unit rate (Rs)	16,05,138.00
CGST 9.00%	1,44,462.42
SGST 9.00%	1,44,462.42
IGST 0.00%	0.00
Total Cost(Exl.KMSCL S.C) Rs.	18,94,062.84
Flood Cess (1%) Rs.	16,051.38
Service Charges 7% + GST 18%	1,32,584.40 (Applicable for purchase through KMSCL only)
Total Cost(Incl. KMSCL S.C) Rs.	20,42,698.62
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	
203XIX -City Towers Bank Jn -Market Road Aluva -Ernakulam - 683101 Kerala	Contact Person	Mr. Praveen
	Phone	
	Mobile No	9995271784
	Email	lakshmisurgicals2005@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>HD Camera System for ENT- HD 3 chip camera head and control unit with recording facility</b>	1910114.22	132584.4	2042698.62
2	<b>HD Medical Monitor</b>	479098.76	33255.09	512353.85

Item-wise Price Details				
3	Trolley & Stabilizer	48790	3386.6	52176.6
4	6.5 mm 30 degree HD telescope for laproscopic surgery	226000	16520	242520
5	Xenon Light Source with fiber optic cable	330250.41	24140.43	354390.84
6	Electronic Insufflator	599079.67	43791.13	642870.8
7	Telescope 0 Degree, 10 mm	313719.64	22932.07	336651.71
8	Telescope 30 Degree, 10 mm	319743.67	23372.41	343116.08
9	Telescope 45 Degree, 10 mm	319743.67	23372.41	343116.08
10	External Recording Device	694071.07	48176.7	742247.77
		<b>5240611.11</b>	<b>371531.25</b>	<b>5612142.36</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 Camera System for ENT- HD 3 chip camera head and control unit with recording facility</b>							
Labour	36,960.00	40,656.00	44,721.60	49,193.76	54,113.13	59,524.61	65,477.00
Comprehensive	73,920.00	81,312.00	89,443.00	98,387.52	1,08,226.00	1,19,048.89	1,30,953.00

### **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% 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 Camera System for ENT- HD 3 chip camera head and control unit with recording facility**

##### I. Three Chip High definition Camera System

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.

1. 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.
2. USB Port for Capturing FULL HD Videos/ HD Stills in External USB drive and direct interface of USB Printer to facilitate direct printouts.
3. System should have facility of controlling additional equipments like light source/ insufflators and recording device from the camera head.
4. 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.
5. Parallel live display of visualization modes besides white light mode (picture-in-picture).
6. Modular design: Digital FULL HD camera module should be compatible for use with video flexible GI endoscopes.
7. System should have the upgradable facility to 3D.

#### I.A Technical Specifications

1. Image sensor: 3X1/3'' CCD-Chip.
2. Pixels: 1920 x 1080
3. AGC: Microprocessor controlled
4. Lens: Integrated Zoom Lens f = 15-31 mm (2x optical zoom)
5. Control buttons: 3 (2 of them freely programmable).
6. 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)
7. Input: Keyboard input for character generator. 5-pole DIN socket.
8. Power Supply: 100-240 VAC 50/60 Hz
9. Certified to: IEC 601-1, 601-2-18, CSA 22.2 No. 601, UL 2601 and CE according to MDD, protection class I/CF

II.

#### III. High Definition Medical Grade Monitor

The monitor should have:

1. Screen diagonal – 26''.
2. HDTV display in original 16: 9 HDTV format.
3. 1080 p/ 50 & 1080 p/60 displays possible.
4. LED crystal display.

5. Max. Resolution of 1920X1080.
6. Desk top with pedestal.
7. Should have the facility of PIP mode.

## II.A Specifications

1. Maximum viewing angle : 178° vertical
2. Contrast ratio: 1400 : 1
3. Reaction Time – 8ms
4. Rated power : 115 watts
5. Power Supply 100-240 VAC
6. Screen Dimensions : 643 x 396 x 87mm
7. Video Inputs : 2\* DVI-D , 2\* 3G SDI, 1\* S Video , Composite 1\* RGB/VGA , 1\* RS 232 , 1\* RJ 45 Interface.
8. Output: 1\* DVI , 1\* 3G SDI, 1\* S-Video
9. Accessories External 24VDC Power Supply, Mains Cord, Pedestal.
10. Certified to : EN 60601-1, protection class IPX 1

## III. Xenon Light Source with Fiber optic cable

1. Lamp type:- Xenon 15V, 300 Watt
2. Color Temperatures 6000K
3. Light Outlets – 1
4. Light Intensity Adjustment :- Continuously adjustable either manually or automatically by cameras video output signal.
5. Should be supplied with Diameter 4.8mm, Length 300cm.
6. Certified To :- IEC 601-1 & UL 544 CE According to MDD , protection class 1/CF

## IV. 6.5 mm 30 degree HD telescope for laproscopic surgery