

Running Contract Details	
Equipment Name	4K ENT Video imaging System Type II
Running Contract Valid Till	31-10-2025
Tender Ref No	KMSCL/EP/T501(R)/1651B/2023
Tendered Quantity	5
Supplier Name	M/s Lakshmi Surgicals
GST No	32AACFL2603A1ZB
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	
2nd Floor 12/307-C1 KSIE Building CIC Freight Station ICTT Road Anavathil Jn. Udyogamandal Eloor Ernakulam - 683501	Contact Person	Mr. Viji Vijayan
	Phone	0484-2988006
	Mobile No	99466 02090
	Email	lakshmisurgicals2005@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	4K Camera System with processor and camera head <i>Model & Make : TC304, TC201EN, TH120/ Karl Storz GmbH & Co</i>	3657771.08 Incl.GST :18%	256043.98	3913815.06
2	4K Recorder system <i>Model & Make : Karl Storz 4K ENT Video Imaging System Type II / Karl Storz GmbH & Co</i>	9999.99 Incl.GST :18%	700	10699.99
3	LED Light Source <i>Model & Make : TL300/ Karl Storz GmbH & Co</i>	664757.96 Incl.GST :12%	49025.9	713783.86
4	Fibre Optic Light Cable <i>Model & Make : 495TIP/ Karl Storz GmbH & Co</i>	50707 Incl.GST :18%	3549.49	54256.49
5	Imported Trolley <i>Model & Make : WA10007, UG230/ Karl Storz GmbH & Co</i>	214186 Incl.GST :18%	14993.02	229179.02
6	4mm 0 degree 4K Sinoscope <i>Model & Make : 7230AWA/ Karl Storz GmbH & Co</i>	250000 Incl.GST :12%	18437.5	268437.5
7	4mm 30 degree 4K Sinoscope <i>Model & Make : 7230BWA / Karl Storz GmbH & Co</i>	250000 Incl.GST :12%	18437.5	268437.5

Item-wise Price Details							
8	4mm 70 degree 4K Sinoscope <i>Model & Make : 7230CWA/ Karl Storz GmbH & Co</i>			250000 Incl.GST :12%	18437.5	268437.5	
9	Online 3KVA UPS with 30 minutes backup			40000.01 Incl.GST :18%	2800	42800.01	
10	4mm telescope allows the field of view to be set between 15degree and 90degree during endoscopic examinations and interventions (Not taken for evaluation) <i>Model & Make : Karl Storz GmbH & Co</i>			799333.92 Incl.GST :12%	58950.88	858284.8	
11	Camera module to attach 3D Scopes compatible with 4K Camera processor (Not taken for rvaluation) <i>Model & Make : TC302 / Karl Storz GmbH & Co</i>			1173644.52 Incl.GST :18%	82155.12	1255799.64	
12	4mm 0 degree 3D 4K Sinoscope (Not taken for rvaluation) <i>Model & Make : 7230AE/ Karl Storz GmbH & Co</i>			3771874.72 Incl.GST :18%	264031.23	4035905.95	
13	3D Polarized glass (Not taken for rvaluation) <i>Model & Make : TM003 / Karl Storz GmbH & Co</i>			10655.4 Incl.GST :18%	745.88	11401.28	
14	58" 4K Monitor <i>Model & Make : TM440 / Karl Storz GmbH & Co</i>			1731760.54 Incl.GST :28%	111752.67	1843513.21	
15	OR1 Cart for Monitor 42 - 64", Set <i>Model & Make : WA10007 / Karl Storz GmbH & Co</i>			96524.42 Incl.GST :18%	6756.71	103281.13	
16	32 inch 4K monitor <i>Model & Make : TM343 / Karl Storz GmbH & Co</i>			2016720.64 Incl.GST :28%	130141.5	2146862.14	
17	Monitor stand for 32 inch 4K monitor <i>Model & Make : 9832SFH / Karl Storz GmbH & Co</i>			86210.8 Incl.GST :18%	6034.76	92245.56	
18	32 inch 4K/3D monitor <i>Model & Make : TM350 / Karl Storz GmbH & Co</i>			3082256.64 Incl.GST :28%	198901.87	3281158.51	
19	Monitor Stand for 32 inch 4K/ 3D Monitor <i>Model & Make : 9832SFH / Karl Storz GmbH & Co</i>			86210.8 Incl.GST :18%	6034.76	92245.56	
				18242614.44	1247930.26	19490544.7	
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
4K Camera System with processor and camera head							
Labour	1,40,000.00	1,54,000.00	1,69,400.00	1,86,340.00	2,04,974.00	2,25,471.40	2,48,018.54
Comprehens ive	4,89,500.00	5,38,450.00	5,92,295.00	6,51,524.50	7,16,676.95	7,88,344.65	8,67,179.00

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 :4K Camera System with processor and camera head

I. 4K Camera System

- I. The system should be Digital endoscopic video camera with maximum Resolution of 3840 X 2160 pixels, progressive scan to guarantee genuine 4K.
- II. The system should have facility of 3x Digital Zoom or more.
- III. The system should have facility for capturing 4K UHD HD Stills and FULL HD Videos in External USB drive manually with keyboard and from camera head. External hard disk of 2 TB to be provided. If inbuilt recorder is not available, external recorder with the same facility shall be provided and rate shall be quoted separately in BOQ.
- IV. 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.
- V. The system should be upgradable to 3D and should be compatible with 4mm 3D scopes for skull base surgery.
- VI. The system should be compatible with video/ fibre flexible scopes for performing cranial, nasal and laryngeal surgeries.
- VII. Picture in Picture of visualization modes.
- VIII. Automatic adjustment of light intensity of light source and manually light controlled from camera head OFF/ON and light intensity.
- IX. The system should have facility for assigning patient data entry with manual keyboard before surgery.

II. Technical Specifications:

1. Pixels: 3840 X 2160 Pixels
2. AGC: Microprocessor controlled
3. Lens: Integrated Zoom Lens f = 18 mm
4. Color Space: BT.2020 emulation
5. Control buttons: 3 (2 of them freely programmable).
6. Video output: 1 Display Port 1.2 , 1 x DVI-D output, 1 x 12G-SDI output, 1x HDMI, 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.
8. Power Supply: -200-240 VAC 50/60 Hz

III. Certified to :IEC 601-1, 601-2-18, CSA 22.2 No. 601, UL 2601 and CE according to MDD, protection class I/CF

IV. 58 Inch 4K Monitor or more

The monitor should have:

1. Color Space – BT.2020 emulation
2. Aspect ratio: 16:9
3. Contrast Ratio :5000:1
4. Effective Resolution: 3840 X 2160 Pixels
5. Max. Observation angle: 178° vertical / horizontal.
6. Inputs: 1 x DP 1.2 , 2xDVI-D , 1X 12G SDI
7. Outputs: 1 x DVI-D , 12GSDI
8. CE label according to MDD, class I.

V. Power LED Light Source

1. Should have touch display which provides an intuitive & user-friendly interface that directly displays relevant data.
2. Cold Light Fountain LED Light Source
3. Lumens : 2100 and above
4. Color Temperatures 6000K
5. Light Outlets – 1
6. Lamp life of approx. 30,000 hrs
7. Certified To: - IEC 601-1 & UL 544 CE According to MDD, protection class 1/CF

VI. Fiber Optic Cable

1. 4.8mm Fiber Optic Cable and 300cm Long

VII. Imported Endoscopic Trolley

1. Endoscopic Trolley Compatible with the above system from the same manufacturer should be provided.

VIII. TELESCOPES

1. Compatible Telescopes with the 4K system should be quoted with Dimensions as below:
2. 4mm 0 Degree with 18cm or more working Length – 1 QTY.
3. 4mm 30 Degree with 18cm or more working Length – 1 QTY
4. 4mm telescope allows the field of view to be set between 15degree and 90degree during endoscopic examinations and interventions (Not taken for evaluation) -1QTY
5. 32inch 4kmonitor with stand (Not taken for evaluation)-1QTY
6. 32inch 3D4kmonitor with stand (Not taken for evaluation)- 1QTY
7. Camera module for attach 3d scopes compatible with 4k camera processor (Not taken for evaluation) -1 QTY
8. 3D scope 0 degree 4mm diameter (Not taken for evaluation)-1QTY
9. 3D Polarized glasses (Not taken for Evaluation) 5 QTY

IX. All the Above Equipment's are to be supplied by the same manufacturer.

X. Online UPS 3KV with minimum 30 minutes back up.

Note:

1. 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
2. Warranty exclusions if any shall be discussed at the time of prebid meeting else the tender condition as per clause 6.31.20 shall prevail