



Running Contract Details	
Equipment Name	3D Laproscopic set with instruments
Running Contract Valid Till	09-10-2020
Tender Ref No	KMSCL/EP/T282/1131/2018(R)
Tendered Quantity	10
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	
203XIX -City Towers Bank Jn -Market Road Aluva -Ernakulam - 683101 Kerala	Contact Person	Mr. Viji Vijayan
	Phone	
	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	<b>3D Laproscopic set with instruments</b> High definition 3D Scope tip <i>Model &amp; Make : Karl Storz 3D Laproscopic set with Instruments / Karl Storz GmbH &amp; Co Germany</i>	1640373.28 Incl.GST :12%	120977.53	1761350.81
2	<b>Rotating bipolar grasping forceps - 1 no</b> <i>Model &amp; Make : 38651MD</i>	75430.88 Incl.GST :12%	5563.03	80993.91
3	<b>Bipolar Scissors working insert - 1 no</b> <i>Model &amp; Make : 26176LV</i>	17928.96 Incl.GST :12%	1322.26	19251.22
4	<b>Palpation probe - 1 no</b> <i>Model &amp; Make : 26175T</i>	5055.68 Incl.GST :12%	372.86	5428.54
5	<b>Knot pusher - 1 no</b> <i>Model &amp; Make : 26596CA</i>	26639.2 Incl.GST :12%	1964.64	28603.84
6	<b>Bowel grasper - 1 no</b> <i>Model &amp; Make : 33351C</i>	32685.97 Incl.GST :12%	2410.59	35096.56
7	<b>Verees pneumoperitoneum needle - 1 no</b> <i>Model &amp; Make : 26120JL</i>	6567.46 Incl.GST :12%	484.35	7051.81

Item-wise Price Details				
8	<b>KOH Macro Needle Holder - 1 no</b> <i>Model &amp; Make : 26173KPL</i>	68709.76 Incl.GST :12%	5067.34	73777.1
9	<b>Clip Applicator - 1 no</b> <i>Model &amp; Make : 30444ET</i>	60309.76 Incl.GST :12%	4447.84	64757.6
10	<b>Suction Irrigation Tube - 1 no</b> <i>Model &amp; Make : 26173BN</i>	20657.28 Incl.GST :12%	1523.47	22180.75
11	<b>Claw Forceps - 1 no</b> <i>Model &amp; Make : 33352FM</i>	34651.68 Incl.GST :12%	2555.56	37207.24
12	<b>Scissors - 1 no</b> <i>Model &amp; Make : 34351MS</i>	34585.6 Incl.GST :12%	2550.69	37136.29
13	<b>Grasping Forceps - 1 no</b> <i>Model &amp; Make : 33352ME</i>	34651.68 Incl.GST :12%	2555.56	37207.24
14	<b>Dissecting and Grasping Forceps - 1 no</b> <i>Model &amp; Make : 33351MD</i>	32686.05 Incl.GST :12%	2410.6	35096.65
15	<b>Reducer 10/5 mm - 1 no</b> <i>Model &amp; Make : 30141DB</i>	5141.92 Incl.GST :12%	379.22	5521.14
16	<b>Reducer 13/10 mm - 1 no</b> <i>Model &amp; Make : 30141DB</i>	6160 Incl.GST :12%	454.3	6614.3
17	<b>Trocar set, 6mm - 1 no</b> <i>Model &amp; Make : 30160MP</i>	27608 Incl.GST :12%	2036.09	29644.09
18	<b>Trocar set , 13mm - 1 no</b> <i>Model &amp; Make : 30107MP</i>	30380 Incl.GST :12%	2240.53	32620.53
19	<b>Trocar set , 11mm - 1 no</b> <i>Model &amp; Make : 30103MP</i>	30380 Incl.GST :12%	2240.53	32620.53
20	<b>3D Polarized glass (quote rate for 1 no)</b> <i>Model &amp; Make : TM330</i>	15910 Incl.GST :12%	1173.36	17083.36
21	<b>3D High Definition Monitor</b> <i>Model &amp; Make : TM330</i>	829655.68 Incl.GST :12%	61187.11	890842.79
22	<b>High Definition Camera Processors 2 nos with necessary cables (quote rate for 2 nos)</b> <i>Model &amp; Make : 26605BA</i>	1027581.97 Incl.GST :12%	75784.17	1103366.14
23	<b>Xenon Light Source ( 300 watts)</b> <i>Model &amp; Make : 20133101-1</i>	1039988.99 Incl.GST :12%	76699.19	1116688.18
24	<b>Co2 Cylinder, stabilizer, Cidex tray &amp; Formalin Chamber</b> <i>Model &amp; Make : UG609</i>	95200 Incl.GST :12%	7021	102221
25	<b>Coagulating &amp; dissecting forceps - 1 no</b> <i>Model &amp; Make : 33351MD</i>	10545.92 Incl.GST :12%	777.76	11323.68
26	<b>Imported trolley to house all equipments</b>	181252.72 Incl.GST :18%	12687.69	193940.41
27	<b>Dual channel image recording device</b> <i>Model &amp; Make : UG230</i>	782949.89 Incl.GST :12%	57742.55	840692.44

Item-wise Price Details				
28	<b>3D Laproscopic set with instruments , High Definition Camera Processors 2 nos with necessary cables, 3D Mixer, 3D High Definition Monitor, Xenon Light Source ( 300 watts), Dual channel image recording device, Imported trolley to house all equipments &amp; 3D Polarized glass</b>	5508496 Incl.GST :12%	406251.58	5914747.58
		<b>11682184.33</b>	<b>860881.4</b>	<b>12543065.73</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>3D Laproscopic set with instruments</b>							
Labour	61,737.00	61,737.00	61,737.00	61,737.00	61,737.00	61,737.00	61,737.00
Comprehensive	1,54,342.00	1,54,342.00	1,54,342.00	1,54,342.00	1,54,342.00	1,54,342.00	1,54,342.00

### **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 :3D Laproscopic set with instruments**

1. Should have Dual Lens technology for Left &Right image Signals
2. Should provide Full HD Imaging
3. Should have 2 High Definition Camera processors for left &right image signals or single module with integrated processor & mixer
4. Should have powerful 300 W Xenon Light source with Emergency standby LED Light source equivalent to 300 W.Rate shall be quoted accordingly in the BOQ.
5. Should have a mixer for synchronizing &processing of both Left &Right Image signals from camera processors to transmit 3D image or advanced module with integrated processor &mixer
6. Should adopt polarizing system for image Reproduction, for using economical eye-ware for flicker-free and bright image
7. Should have provision for switch over between 3D/2D observation mode, from the 3 D telescope.

8. 3D telescope design should eliminate the image rotation distortion associated with 3 D vision.
9. Should be capable of processing the video imaging using Optically filtered light of green and blue wavelengths, to delineate the capillary structures better, in 3 D as well as 2 D mode OR Spectral colour shift & colour exchange should be incorporate in camera processor
10. Should also have a facility to connect routine camera heads for general surgery and urology for use with non video telescopes.
11. 12. Should be capable of providing following 3D transmission outputs-3G-SDI, Line by line & side by side by DVI-D
12. Should have facility for automatic brightness control for best distribution of light evenly over the image field
13. Should have facility for capturing & storing 3D/2D Images & videos in USB provided with system.
14. The 3D scope should be of 10 mm in diameter with High Resolution Dual Lens chip on tip Technology.
15. The 3D scope with DOV 0/30 deg
16. The 3 D scope should have Integrated/External Light cable and camera connectors
17. The 3D scope should be focus free with Depth of Field of at least 20-90mm with a wide field of view of at least 75-80 degree
18. The 3D Scope should be light weight & easy to handle
19. The 3D scope should have effective working length of 310 mm or above
20. The 3D scope should be Compatible with ETO & Plasma sterilizer. If disposable sheath is used for sterilization, the same shall be provided at free of cost during the life time of the equipment. An undertaking shall be provided by the manufacturer. 100 nos of sheath shall be supplied along with the equipment initially and at least 50 nos of sheath shall be provided every month. Additional numbers shall be supplied within one week from the date of demand from the user institution.
21. The 3D monitor should be full HD with 24 inch or above in screen size.
22. The 3D monitor should have 3G/HD-SDI, DVI- D inputs for 3D image display
23. The 3D monitor should have 3D/HD-SDI Output for 3D Image Transmission
24. The 3D monitor should have brightness adjustment feature when switch between 2D/3D image.
25. The system should be supplied with 10 no's of light weight polarized glasses
26. The system should be supplied with dual channel High Definition video recording device with memory of 500 GB or more to record, store & transmit 3 D Videos & images. The recording system should have facility to overlay the voice of surgeon on the video, for teaching purposes.
27. The system should be supplied with;
  - a. High Definition camera processors-2 no's
  - b. 300W Xenon Light source-1 no's
  - c. 3D mixer-1 no
  - d. High Definition 3D chip on tip scope-1 no
  - e. 3D High definition monitor -1 no
  - f. 3D polarized Glasses -10 no's
  - g. Dual channel Image Recording device-1 no

h. Necessary cables to connect all equipment

i. Imported Trolley to house all equipment-1 nos

## 28. Instruments.

a. Trocar, size 11mm, consisting of Trocar only, with pyramidal tip cannula without valve, with insufflations stop-cock, length 8 cm or more , multifunctional valve, reducer 10/5mm - 2 Nos.

b. Trocar, size 13mm, consisting of: Trocar only, with pyramidal tip. Cannula without valve, connection for 13mm Reducer 13/10mm - 2 Nos.

c. Trocar, Size 6mm consisting of : Trocar only, with pyramidal tip, cannula without valve, with insufflations stop cock, length 8 cm or more , Multifunctional Valve - 6 Nos.

d. Dissecting and Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5mm, length at least 33cm double action jaws, consisting of: Plastic Handle, without ratchet Outer Tube, insulated Forceps Inset.

e. Grasping Forceps, rotating, with connector pin for unipolar coagulation, size 5mm, length at least 36cm, atraumatic fenestrated single action jaws, consisting of: Plastic Handle, with ratchet Outer Tube, insulated Forceps Inset.

f. Scissors, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock connector for cleaning, double action jaws, curved, length of blades 15mm, size 5mm, length atleast 33 cm consisting of Plastic Handle, insulated, without ratchet Metal Outer sheath, insulated Scissors Insert for use with trocars size 6mm.

g. Claw Forceps, 2x3 teeth, rotating, with connector pin for unipolar coagulation, size 5mm, length atleast 33cm, single action jaws, consisting of Plastic Handle with style ratchet Outer Tube, insulated Forceps Inset.

h. Suction and Irrigation Tube, anti-reflex surface with two-way stopcock, for single hand control size 5mm, length 36cm

i. Needle Holder, ergonomic handle with ratchet, left curved jaws, with tungsten carbide inserts, Ø 5mm, length 33cm for use with suture material 0/0-7/0.

j. Clip Applicator, for use with Titanium-Clips (medium large), rotating, size 10mm, length 36cm, consisting of: Metal Handle

k. Coagulating electrode L-shaped and spatula size 5mm, working length at least 33 cm, with connector pin for coagulation and cord.

l. Verees pneumoperitoneum needle, with spring action blunt stylet, length should be atleast 10 cm and 15 cm, should have a luer -lock connector for insufflation.

m. Bowel grasper, fenestrated at least 2cm long beak, size 5mm can be dismantled for better cleaning and disinfection. Should be fully rotational 360 degree and autoclavable. Should have insulated outer tube, plastic handle, luer-lock connector and connector pin for unipolar coagulation.

n. Knot pusher, 5mm diameter

o. Palpation probe, 5mm diameter, length atleast 33 cm.

p. Rotating bipolar grasping forceps, size 5mm. can be dismantled to three pieces for better cleaning and disinfection, autoclavable. Length should be minimum 33 cm with connector pin for bipolar coagulation and cord should be supplied. And one additional bipolar scissers working insert/one complete set of bipolar scissers should be supplied.

q. Should supply the following accessories

i. CO2 cylinder B type –filled

ii. Cidex tray – 1nos.

iii. Formalin chamber – 1 nos

29. Trolley

a. Should be supplied with suitable trolley.

b. Trolley should have provision to hold gas cylinders.

c. Trolley should have at least 6 power sockets

30. 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 camera system.

31. All items quoted and supplied shall be from the same manufacturer