

Running Contract Details	
Equipment Name	Ultrasonic Cutting & Coagulation with Radio Frequency Vessel Sealing System
Running Contract Valid Till	30-06-2025
Tender Ref No	KMSCL/EP/T351/972/2019
Tendered Quantity	25
Supplier Name	M/s J S Surgicals
GST No	32DKOPS2430B1ZG
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	
TC NO 8/3031/13 DALLYS APARTMENT CHALAKUZH ROAD PATTOM (PO) TRIVANDRUM - 695004	Contact Person	Satheeshkumar S
	Phone	04712443666
	Mobile No	9995341646,9388227592
	Email	jssurgicals@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Ultrasonic Cutting & Coagulation with Radio Frequency Vessel Sealing System <i>Model & Make : GEN 11</i>	1369460.96 Incl.GST :12%	100997.75	1470458.71
2	Hand Piece for open surgery	160258.56 Incl.GST :12%	11819.07	172077.63
3	Pistol grip curved coagulation shear with ergonomic handle 36cm with advanced hemostasis mode to seal up to and including 7mm diameter vessel	43048.32 Incl.GST :12%	3174.81	46223.13
4	Pistol grip curved coagulation shear with ergonomic handle 45cm with advanced hemostasis mode to seal up to and including 7mm diameter vessel	43835.68 Incl.GST :12%	3232.88	47068.56

Item-wise Price Details							
5	Advanced RF Energy hand instrument of 5mm shaft diameter 45 cm			44800 Incl.GST :12%	3304	48104	
6	Pistol grip curved coagulation shear with ergonomic handle 36cm to seal up to and including 5mm diameter vessel			44800 Incl.GST :12%	3304	48104	
7	Pistol grip curved coagulation shear with ergonomic handle 23cm with 360 degree rotation			46156.32 Incl.GST :12%	3404.03	49560.35	
8	Curved blade having telescopic shaft 4 to 9 cms with intergrated hand activation control button			27871.2 Incl.GST :12%	2055.5	29926.7	
9	Hook blade having telescopic shaft 4 to 9 cms with intergrated hand activation control button			27871.2 Incl.GST :12%	2055.5	29926.7	
10	Coagulation shears with scissors grip 9 cm			40485.76 Incl.GST :12%	2985.82	43471.58	
11	Coagulation shears with scissors grip 17 cm			46652.48 Incl.GST :12%	3440.62	50093.1	
12	RF vessel sealing probe which can coagulate vessels upto 7mm diameter with shaft length 35 cms long			44800 Incl.GST :12%	3304	48104	
13	Advanced RF Energy hand instrument of 5mm shaft diameter Curved jaw 35 cm with 110 degree articulation, 360 degree rotation			50800.96 Incl.GST :12%	3746.57	54547.53	
14	Pistol grip curved coagulation shear with ergonomic handle 36cm, 18mm blade length with advanced hemostasis mode and integrated transducer to seal up to and including 7mm diameter vessel			53644.64 Incl.GST :12%	3956.29	57600.93	
15	Generator cart			131933.76 Incl.GST :12%	9730.11	141663.87	
16	additional lap handpiece			124302.08 Incl.GST :12%	9167.28	133469.36	
17	Advaned RF Energy Band instrument of 5mm shaft diameter straight jaw 35cm with 110 degree articulation, 360 degree rotation			51693.6 Incl.GST :12%	3812.4	55506	
				2352415.52	173490.64	2525906.16	
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
Ultrasonic Cutting & Coagulation with Radio Frequency Vessel Sealing System							
Labour							

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Comprehensive	33,000.00	33,000.00	33,000.00	33,000.00	33,000.00	33,000.00	37,000.00

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 :Ultrasonic Cutting & Coagulation with Radio Frequency Vessel Sealing System

1. System should have a universal connector to connect Ultrasonic energy and Advanced RF energy instruments
2. System should have automatic instrument recognition
3. System should have a touch screen display for fast and setup, operation and on-screen diagnostics
4. System should have a high-resolution display with wide viewing angles.
5. System should have the ability for software updates via USB memory stick.
6. System should be a single generator that provides Ultrasonic energy and advanced RF energy technology for soft tissue dissection and vessel sealing
7. System should have potential equalization terminal for compatibility with other medical systems requiring such connections.
8. System should conform to the following international standards EN (IEC) 60601-1, EN (IEC) 60601-1-2, EN (IEC) 60601-2-2, EN (IEC) 60601-1-8
9. System should provide Class 1 protection against electric shock
10. System should have a single footswitch for operating ultrasonic energy or advanced RF energy instruments
11. System should have the ability to select hand switch or footswitch activation or both for Ultrasonic and advanced RF energy instruments and the ability to change selection during use.
12. System should have 6 international language options with English language as default.
13. System should not have minimal lateral thermal spread more than 1 mm
14. System should not have an auto switch off mechanism
15. System should have standby mode to ensure safety
16. System should come equipped with system diagnostics and troubleshooting guide to pin point any problems in the system
17. System should have onscreen warning display system for generator overheating, generator software upgrade, hand piece errors and instrument errors
18. System should be able to power ultrasonic energy instruments with 55.5 KHz frequency and have the ability to power ultrasonic energy instruments in the frequency range of 30-80KHz in future
19. System should be compatible for open surgery and for laparoscopic surgery
20. System should be compatible with both 5mm and 10mm instruments
21. System should have at least 5 power settings levels with power level display for ultrasonic energy instruments
22. System should be able to power energy instruments with microprocessor controlled bipolar electrosurgical radiofrequency technology with a quasi-sinusoidal forced impedance output.
23. System should be equipped with smart advanced RF energy technology to measure the tissue impedance and control the power delivery.
24. System should be equipped with advanced RF energy technology that can simultaneously seal and transect vessels up to

- including 7mm, large tissue pedicles and vascular bundles
- 25. System should be equipped with advanced RF energy technology that provides temperature controlled energy delivery which should maintain tissue temperature approximately at 100 degree Celsius.
- 26. System should have advanced RF energy hand instruments with a unique electrode configuration to minimize the lateral thermal spread
- 27. System should have Advanced RF energy hand instruments with technology to deliver high compression uniformly across seal area
- 28. System should have advanced RF Energy hand instruments that provide tissue/ vessel seal strength to withstand bursting pressure of 7 times the systolic pressure
- 29. All hand probes for open and lap procedures should be able to simultaneously cut and coagulate tissues.
- 30. System should be able to power advanced RF energy hand instruments of 5mm shaft diameter for both open & laparoscopic procedures in the following shaft length (14cm, 25cm, 35cm & 45cm) and should be both hand & foot activated
- 31. System should be able to power ultrasonic energy hand instruments of 5mm shaft diameter for both open & laparoscopic procedure and should be both hand and foot activated, with the following specifications
 - a. Pistol grip Curved Coagulation Shears with ergonomic handle in the following shaft length (36cm). Can seal blood vessels upto and including 5mm in diameter and should have adaptive tissue technology.
 - b. Pistol grip curved coagulation shear with ergonomic handle with 23 cm with 360 degree rotation.
 - c. Curved blade and hook having telescopic shaft 4 - 9cm
 - d. Coagulation shears with scissors grip of 9cm and 17cm length
 - e. RF Vessel sealing Probe which can coagulate up to 7mm vessel in diameter with Shaft length 35CM Long.
 - i. RF Vessels Sealing Probe with 110 Articulation (55 in each direction), 360 rotation knob
 - ii. Articulation wheel – to help lock in desired angle of approach
- 32. System should comprise of the following
 - A..Hardware
 - i. Generator
 - ii. Footswitch & cable.
 - A. Accessories to be supplied if orders issued
 - a. Hand piece (Transducer)
 - b. Adaptors for ultrasonic and advanced RF energy instruments
 - c. Harmonic lap probe
 - d. Pistol grip curved coagulation shears with ergonomic handle 36cm
 - e. Advanced RF Energy hand instruments of 5mm shaft diameter 35 cm
 - f. Scissor grip coagulation shears 18cm
 - g. Advanced RF Energy hand instruments of 5mm shaft diameter 25 cm
- 33. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / 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