

Running Contract Details	
Equipment Name	Advanced High End Electrosurgical Unit (Cautery) Type B
Running Contract Valid Till	08-01-2026
Tender Ref No	KMSCL/EP/T517(R)/1032C/2023
Tendered Quantity	25
Supplier Name	M/s Axis Medical Systems
GST No	32AARFA4092K1Z7
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	
65/285 2nd Floor Chirakkal Building East Nadakkavu Eranhipalam PO Kozhikode-673006	Contact Person	Jagdeesh.T.S/K.P.Santhosh
	Phone	
	Mobile No	9526600078/9349114142
	Email	axismedical@mail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Advanced High End Electrosurgical Unit (Cautery) Type B <i>Model & Make : VLFX8/ COVIDIEN LLC(MEDTRONIC) USA</i>	850980.05 Incl.GST :12%	62759.78	913739.83
		850980.05	62759.78	913739.83

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
Advanced High End Electrosurgical Unit (Cautery) Type B							
Labour	26,500.00	28,355.00	30,339.85	32,463.64	34,736.09	36,472.90	38,296.54
Comprehensive	35,000.00	37,450.00	40,071.50	42,876.51	45,877.86	48,171.75	50,580.34

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 :Advanced High End Electrosurgical Unit (Cautery) Type B

1. Instant response technology ensures that the power delivered remains virtually constant, regardless of the tissue type.
2. The system should identify the tissue type with feedback of at least 430000 times/second on real time basis, and adjust the power to get the desired surgical effect on the tissue. System should have 2 monopolar output, 1 Bipolar output.
3. Improved performance at lower power setting minimizes the risk of tissue damage and neuromuscular stimulation.
4. Three-section touch screen with enhanced ease of use, Simple controls and intuitive information displays.
5. Unit should have Advance mode for a unique combination of monopolar hemostasis and dissection while using a lower power setting resulting in less char, less thermal spread and less arcing than a traditional coagulation mode
6. Closed loop coagulation for all the monopolar and bipolar modes.
7. Three cut modes, all controlled by instant response technology.
 - a. Low cut for delicate tissue or endoscopic cases.
 - b. Pure cut for clean, precise cut
 - c. Blend for cutting with homeostasis.
8. Coagulation modes:
 - a. Desiccate/ Soft for low Voltage contact coagulation suitable in endoscopic and Delicate tissue work
 - b. Shared coagulation for two monopolar simultaneous usage
 - c. Spray for coagulating large tissue areas with superficial depth of necrosis.
 - d. Fulgurate
9. Three Bipolar modes:
 - a. Different setting in bipolar are controlled by the instant response System.
 - b. Precise, Standard, Macro setting utilize low voltage to prevent sparking.
10. Unit should have Auto Bipolar Mode.
11. System compatible with other devices, including:
 - a. Argon coagulation system.
 - b. Ultrasonic surgical aspirators.
 - c. Smoke evacuator
 - d. Pacemaker lead extraction system
12. Unit should be advanced – microcontroller-based Technology
13. Unit should perform self-test During Power ON.
14. Unit should have Digital Wattage Indications for Bipolar, Monopolar Cut and Coagulation.

15. Unit should have isolated Monopolar and bipolar outputs.
16. Unit should have Patient Plate contact monitoring System.
17. Unit should have Audio Visual Patient Plate Error Monitoring System.
18. Unit should have at least Three Bipolar Mode including Precise, Standard and macro. And auto bipolar mode
19. Unit should Have Facility to use monopolar and bipolar function without Switchover.
20. Unit should be compactable with three button monopolar pencil which can use to adjust the power output of the machine from the sterile field.
21. System should have bipolar current meter
22. System should have auto bipolar with time delay options
23. There should be soft coagulation mode to do precise surgeries in soft organs like Liver
24. Surgeon should have the facility to control the power from the sterile zone with a sliding control 3- button hand switching device.
25. OUTPUT WAVEFORMS: Bipolar
 - a. Precise - more than 300 kHz sinusoid
 - b. Standard - more than 300 kHz sinusoid
 - c. Macro - more than 300 kHz sinusoid
26. Monopolar Cut
 - a. Low - more than 300 kHz sinusoid.
 - b. Pure - more than 300 kHz sinusoid
 - c. Blend - more than 300 kHz sinusoid bursts of sinusoid, recurring at 27 kHz intervals.50% duty cycle envelope.
27. Monopolar Coagulation
 - a. Desiccate - more than 300 kHz sinusoid repeated at 39 kHz, 8% duty cycle
 - b. Fulgurate - more than 300 kHz sinusoid damped sinusoidal bursts with a repletion frequency of 30 or 57 kHz into 500 ohms.
 - c. Spray - more than 300 kHz sinusoid damped sinusoidal bursts with a randomized repetition centered at 28 KHz Frequencies include 21 kHz <35 kHz.
28. Should have an option to enable and disable auto bipolar as per the requirement from the surgeon
29. Unit Should have US FDA and European CE Approved
30. The system should be upgradable.
31. Accessories
 - a. Three Button Hand switching pencils -5 no
 - b. Contact quality monitoring return electrode -5 no
 - c. Bayonet Bipolar forceps with cord - 2no
 - d. Universal adaptor -1 no

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

