

To

1. S.M. Enterprises, G 16, Damani Complex, Datta Chowk, Solapur – 413007
2. Universal Electronics, 29-A/2, Ganga Tower, old Akkalkot Naka, Solapur - 413006
3. Quality Treatment & Equipment & Instrument, Pune
4. Kumar Sales Corporation, Mumbai
5. Notice Board, Solapur

Sub:- Quotation of Instruments.

Sealed quotations are invited for the following item from the stockiest for the use in various (Gynac.) department of Dr. V. M. Govt. Medical College, Solapur.

Name of Item	Electro Surgical Generator/Cautery Machine Specifications
<p>Electro Surgical Generator/Cautery Machine</p>	<ol style="list-style-type: none"> 1. Microcontroller based isolated Electrosurgical Generator having both Monopolar and Bipolar outputs designed for all surgical procedures. 2. Smart generator should be able to monitor changes in tissue impedance continuously and adjusts power. 3. Monopolar outputs should have three cutting modes : <ol style="list-style-type: none"> a) Low Cut for delicate tissue or Laparoscopic cases having maximum power of 300W. b) Pure cut for clean, precise cut in general surgery having maximum power of 300 W. c) Blend mode for cutting with homeostasis having maximum power of 200W. All cut modes should be able to adjust output power depending on tissue density by less than 15% or 5W, whichever is greater. 4. It should have three Coag Modes with maximum power of 120 W - <ol style="list-style-type: none"> a) Desiccate mode for low voltage contact coagulation suitable for Laparoscopic and delicate tissue work. b) Fulgurate mode for efficient non-contact coagulation in most applications. c) Spray mode should have randomized spray effect of varying amplitude and frequency for coagulating large tissue areas with minimum depth of necrosis. 5. It should have three bipolar modes with maximum power of 70W - <ol style="list-style-type: none"> a) Precise mode to have fine control of desiccation in delicate tissue. b) Standard mode for applications at low voltage to prevent sparking. c) Macro mode for applications on tissue with high resistance. 6. It should have patient plate monitoring facility and should give audiovisual alarm and deactivate output if contact between patient and patient plate is not proper to eliminate the risk of patient burns. 7. The unit should have two hand switching and two Foot switching Monopolar outputs and One hand switching and foot switching bipolar output. 8. It should have membrane keyboard for power settings. 9. The unit should have individual digital display of power for Bipolar, Monopolar cut and Monopolar Coag. 10. The unit should have temperature sensing cooling fan, which should operate automatically to protect generator from thermal damage. 11. It should have RS232 serial port to interface with computer to reduce the time and effort in problem diagnostics. 12. The unit should be software upgradeable. 13. The unit should be compatible with Argon beam Coagulator and Ultrasonic Surgical Aspirator and Smoke evacuation System. 14. The unit should have RF activation port to tell other equipments like ECG or EEG that RF current is being generated.

15. The unit should not have RF Leakage current more than 150mA.
16. It should be Compact and light weight, weighing less than 10Kg.
17. The unit should be operational between 170V AC to 260V AC, 50Hz (should not require stabilizer).
18. It should be compatible with Tissue Select.
19. It should be compatible with Robotics arm.
20. It should be compatible with Cook's Lead Extraction syste.
21. Accessories -
 - a) Monopolar Footswitch – 1 No.
 - b) Bipolar footswitch – 1 no.
 - c) Reusable Handswitching Pencil – 2 nos.
 - d) Disposable Patient Plate Monitoring System – 50 nos.
 - e) Bipolar Forceps – 2 no.
 - f) Forceps Cord – 2 nos.
 - g) Universal Adaptor – 1 no.
22. Three years comprehensive warranty and 5 years CMC including bulbs should be provided Along with technical support and required spares and consumables for 8 years after warranty period is over.
23. It should follow International Safety Standards and requirement with CE Certification or FDA approval /UL approval.
24. Users' list with the addresses and contact nos. To be provided.
25. Demonstration compulsory
26. Operating and detailed service manual should be supplied.
27. Tropicalization : Operating Temp. Up to 40Deg. C;
Storage Temp. : Up to 60Deg. C;
Relative Humidity upto 90% non-condensing.

The sealed quotations may be sent in the name of the Dean, Dr. V. M. Govt. Medical College, Solapur on or before **due date 16/3/2018**. Quotations are received after due date will not be considered.

Please subscribe the words on the top of envelop "Quotation for Instruments."

Quotation Opening Date 19/3/2018. Venue - College meeting hall.


DEAN,

DR. V. M. GOVT. MEDICAL COLLEGE,
SOLAPUR