

**TECHNICAL SPECIFICATIONS**  
**ELECTRO SURGICAL UNIT**

1. Microcontroller/Microprocessor based Digital Electrosurgical Unit 300 - 400 Watt with digital Display Push Switch Control provides Consistent Performance for all general Surgical Procedures & Applications.
2. Unipolar as well as Bipolar facility having operating frequency within 350-700 KHz.
3. Independent Mono-polar & Bipolar Output can be used without any switch over from the machine.
4. Unit should have auto-self test facility.
5. Various Modes in Electro surgical Cautery for Various Surgical Applications:
  - a) Mono-polar Cut - within :
    1. Pure cut: 300-400 W
    2. Low cut: 300-400 W
    3. Blend: 200 - 250 W
  - b) Mono-polar Coagulation:
    1. Spray: 120 W
    2. Fulgurate : 120 W
    3. Desiccate : 120W
  - c) Bipolar Coagulation - within
    1. Cut : 70-120 W
    2. Force : 70 - 100 W
    3. Micro: 70- 100W
    4. Auto Start Coagulation & Auto Stop Coagulation.
6. Standard Accessories to be provided:
  1. Reusable Dual pad Silicon Patient plate with cable - 2 Nos.
  2. Bipolar forceps with Cable - 2 Nos.
  3. Mono-polar hand switch pencil - 10 Nos.
  4. Foot switch for Mono-polar and Bipolar application - 1 No.
  5. Power Cord - 1 No.
7. **Standards & Safety :**
  1. Product should be CE / US FDA certified (Valid documentation should be submitted in technical bid).
  2. The unit should comply with safety requirement of IEC 60601 -1 & IEC 60601-2-2 (test report should be submitted in technical bid)
8. **Guarantee:** Three years on equipment from the **date** of installation.
9. **CMC:** CMC will be given @ 4 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Guarantee period of three years.
10. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue in the Technical bid.
11. Training to operate the equipment & Installation will be done by supplier free of cost.
12. The dealership / service provider should be based in Rajasthan.
13. Four Preventive maintenance services annually during guarantee and CMC period are essential.
14. Demonstration of equipment is must for final technical approval.

  
Executive Director (EPM)

Rajasthan Medical Services Corporation Ltd  
Jaipur