## Technical Specification for Electrosurgery unit cum Vessel sealing

- 1. The unit Should be a Microprocessor controlled 350 KHz output, up to 400 Watts class Electrosurgery unit with TFT single display having Touch Screen(Key Touch).
- 2. The unit should have fixed sockets for monopolar (2 nos.) and Bipolar (2/3 nos.) available. They are positioned of two different sides with proper labeling and different connector shapes, to avoid any error.
- 3. The Unit should have heat dissipation without external air passing inside the unit i.e. Internal Cooling system or Cooling with temperature controlled fan .
- 4. The Unit should have precise Monopolar and bipolar modes for fine μ-surgery applications.
- 5. The unit should have facility to use very less voltage from 40 Volts for precise applications. Possible to use as low wattage as 0.1 W for precise neuro applications
- 6. The unit should have the facility to upgrade with twin coagulation for simultaneous activation of 2 electrodes. available as a standard function
- 7. The unit should have Bipolar Auto start functions.
- 8. Automatic control of output power according to all currently available electrosurgical regulative technologies.
- 11. Should have the facility for preview function to shows the expected target tissue effect on display even prior to activation.
- 12. Should have the facility to be up to date with the upgradable feature on site.
- 13. Should have facility to program more than 300 with procedure or surgeon's name.& locations
- 14. Should have facility of self check of the unit after every On & Off of the unit.
- 15. Should have facility to upgrade with optional Bipolar cut & coagulation up gradation as a standard function
- 16. Possibility for Upgrading to APC, irrigation system, smoke evacuation system.
- 17. Unit should have Type: Protection Class CF, Class 1, llb,
- 18. Should have continuous patient monitoring with return electrode (neutral electrode).
- 19. Neo-Natal safety system and neutral electrode safety system for the pediatric applications.
- 20. Reusable Vessel Sealing instruments for Open Surgery- FDA/European CE approved instruments for 7mm Vessel Sealing with 150 mm -160mm length.
- 20. The unit should have special solution for changing the power settings without touching the equipment through footswitch or handswitch
- 21. The unit should be supplied with nonstick bayonet bipolar forceps of 1mm blunt & 0.4 mm fine top having length of 170mm 200mm with guide pin maintains parallel.

working the house Sold former

- 22. The unit should be supplied with all standard accessories to make the system to work full functional includes (All accessories should be from same manufacturer):
  - a). Two pedal and Single pedal foot switch-1 No.
  - b). Non Stick Bipolar forceps & cable 3 Nos.
  - c). Reusable Monopolar Pencil with cable- 2Nos.
  - c). Disposable Monopolar Pencil 10 Nos.
  - d). Reusable Patient plate with cable 5 Nos.
  - e).Disposable Patient Plate with cable 50 pics
  - e). Reusable vessel sealing for open 1 No.

(western Shares Shares