

Specifications of the Laparoscopic Set

1. Laparoscopic LED/Backlit LED Video Monitor of 16:9 aspect ratio (3840X2160) 4K: 1 Nos 32”.
2. Laparoscopic Camera with control unit, zoom facility, sterilizable camera head with excellent low light performance: 4Kcamera, CMOS/CCD image sensor: 1 Nos
3. Light source Xenon (≥ 300 watt): 1 Nos
 - a. It should have high intensity for sufficient illumination of whole abdomen and compatible with HD Camera.
4. Documentation system: recording via USB or Pen drive.
5. Lapproflattor : 1 Nos
 - a. Electronic CO₂ laproflattor with tubings. High degree of safety, large display for status checking. Flow rate setting 1-20 ltr/min
6. Fibre optic cable: 1 No
7. Laproscopic table
 - a. Trolley should be specially designed and organize and transport laparoscopic instruments and equipment.
 - b. Should be made up of powder coated GI material
 - c. Spacious storage for instruments, cameras and monitors
 - d. Should have retractable four shelves with one lockable drawer
 - e. Trolley should have two handles
 - f. Electric Panel with 6 Nos. of 15/5 Amp. ISI marked Plugs-Switches on the side of Unit
 - g. 4” Swiveling Castors, two of the with brake
 - h. Provision of holding CO₂ Cylinder on the back of unit ensuring stability
8. Jumbo CO₂ cylinder with stand: 2 No
9. 3KVA UPS for use of Laparoscopic set
10. Electro-surgical unit with vessel sealar:
 - a. Machine should be combination of Veterinary Surgical Cautery & Vessel sealingsystem.
 - b. System should offer low Lateral Spread
 - c. Machine should offer best performance with superior sealing quality at lower and optimum power and thermal levels.
 - d. Machine should have real time impedance measurement with auto stop.
 - e. Three modes of coagulation i.e. Spread, Fulgurate and Desiccate and have four modes in Cut.
 - f. Separates Monopolar and Bipolar mode with foot-switches.
 - g. User settable program mode.
 - h. All accessories for Cautery and Vessel Sealer..

Hand instruments for Laparoscopy:

1. Veress needle: It should be with spring action blunt style
 - 12cm : 1 No
 - 10cm : 1 No

- 8cm : 1 No
- 2. Trocar and cannula:
- 10mm : 2 Nos
- 5mm : 6 Nos

It should consist of trocar, cannula with insufflations stopcock and multifunctional valve and must have pyramidal tip.

- 3. Reducer/reduction sleeve 5 mm: 1 Nos
- 4. Telescopes:
 - 10mm - 0° 1 nos
 - 5mm - 0° 1 nos
- 5. Suction Cannula:
 - 10mm - 1 nos
 - 5mm - 1 nos
- 6. Laparoscopic scissors:
 - Curved (Monopolar Metzenbaum dissector 5mm diameter) : 1 Nos
 - Straight (Bipolar) : 1 Nos
 - Peritoneal scissor : 1 Nos
- 7. Unipolar forceps (Hook & spatula) : 2 Nos
- 8. Bipolar forceps : 2 Nos
- 9. Atraumatic forceps: Maryland Dissector forceps : 2 Nos
 - Fenestrated forceps : 2 Nos
- 10. Needle Holder (Flat Jaw) with handle : 2 Nos
- 11. Monopolar cable (reusable) : 1 Nos
- 12. Bipolar cable (reusable) : 1 Nos
- 13. Allis (double row of teeth) grasper : 1 Nos
- 14. Aspiration needle : 1 Nos
- 15. Grasping forceps (toothed & ratchet 5mm) : 2 Nos
- 16. Laparoscopic knot pusher : 1 Nos
- 17. Clip applicator (reusable) : 5mm- : 1 Nos
 - : 10mm : 1 Nos
- 18. Uterine Manipulator : 1 Nos
- 19. Clips (medium & large) : 2 each
- 20. Drilling needle : 1 Nos
- 21. Infiltration Needle : 1 Nos
- 22. Biopsy forceps (toothed punch hiopsy) : 1 Nos
- 23. Tissue morcellator with base unit & accessories : 1 Nos
- 24. Vessel sealing : Enseal
- 25. Formaline chamber : 1 Nos