

Technical Specifications of Laparoscopic Equipment

Endovision System

3 chip video camera system with PAL/NTSC colour system
3 chip (3 CCD) Camera head
BNC connecting cable at least 175 cms long
S- Video cable at least 175 cms long
Video printer cable
Power cable
Should have digital zoom facility and Automatic white balancing
Fully autoclavable

Light source

Xenon light source 300 watt
Consistent constant colour temperature
Xenon arc Lamp with life of 500 working Hours
One spare Xenon arc lamp
Power supply 100-240 V
Connecting cable

CO₂ insufflator

High quality high flow insufflator with flow rate 20 liters per minute
Should have automatic pressure and flow control
High and low intra abdominal pressure alarm/warning signal
Silicon tubing 2 in number (Autoclavable)
Connecting cable
Sterile filter (1 pack of 10)
Universal wrench (1 in number)



High quality pin type CO₂ cylinders (2 in number)

Power supply 100-240 V

CO₂ regulator

Telescope

High quality distortion free telescope 10 mm diameter 0° fully autoclavable

Incorporated fiber optic light

Fiber optic light cable 300 cm long (autoclavable)

Minimum working length 30 cms

Monitor

Medical grade monitor 19 Inches or above

Flat screen

PAL/NTSC colour system

Resolution 1280x1024 SDI

Should have S-Video RGB

Should have output for video/printer

100-240 V

Mains cord

BNC cable

Wall or stand mount

Hand instruments

- 1 Vaess pneumoperitoneum needle with spring loaded blunt stylet with leur lock length 12 cm or above (1 no.)
- 2 Trocar 11 mm (which can accommodate 10 mm telescope & 10 mm instruments) with pyramidal tip, magnetic ball valve, multiple function valve length 10cms or above, insufflations stop cock (3 in nos.)
- 3 Trocar 11 mm consisting of trocar only with blunt tip without valve with insufflation stopcock with 2 flanges for fixation of sutures (1 no.)

- 4
- 4 Trocar 6 mm (which can accommodate 5 mm telescope & 5 mm instruments) with pyramidal tip with stop cock with multifunction valve length 10 cms or above (3 in nos.)
 - 5 Reducer 11 to 5 mm (1 no.)
 - 6 Reduction sleeve 11 to 5 mm (1 no.)
 - 7 Click line dissecting and grasping forceps 5 mm without ratchet
 - 8 Maryland dissecting and grasping forceps 10 mm heavy jaws double action with ratchet (1 no.)
 - 9 Grasping forceps 5 mm with ratchet (1 no.)
 - 10 Hook scissors single action jaws without ratchet (1 no.)
 - 11 Metzenbaum scissors double action jaws curved blades with length 10 to 12 mm without ratchet (1 no.)
 - 12 Clip applicator 10 mm length 30cms or more for application of ligaclips LT-300 & LT-400 (1 no.)
 - 13 Needle holder 5 mm self aligning with disengagable ratchet with Tungsten Carbide insert (1 no.)
 - 14 Dissecting and coagulating L - hook 5 mm 35 cms long or above (1 no.)
 - 15 Dissecting and coagulating spatula 5 mm (1 no.)
 - 16 Suction and irrigation cannula 5 mm with trumpet valves for suction and irrigation with stop cock (1 no.)
 - 17 Claw forceps 10 mm heavy single action jaws with ratchet (1 no.)
 - 18 Puncture and aspiration needle 5 mm with leur lock connection working length 35 cms or more (1 no.)
 - 19 Bowel grasper Babcock forceps 5 mm (1 no.)
 - 20 Knot pusher 5mm (1 no.)
 - 21 Palpation probe 20 cms long with markings 2 mm (1 no.)
 - 22 Stone extractor 10 mm (1 no.)
 - 23 Bipolar forceps 5 mm with cable (1 no.)
 - 24 Fan shaped liver retractor (1 no.)
 - 25 BERCI Fascial closure instruments for subcutaneous ligature of trocar incisions 2.8 mm length 17 cms. (1 no.)
 - 26 Monopolar high frequency cord with plug for HF-unit 300 cms. Long
 - 27 Voltage stabilizer for the lap. Equipment (1 no.)
 - 28 Trolley to house endovision system, co2 insufflator, light source and monitor (1 no.)

* **Note:**

All the hand operating instruments should be rotatable, insulated, autoclavable having pin for monopolar coagulation.

Vendor to arrange for pre dispatch inspection/demonstration if required

The whole equipment should have warranty of 12 months from the date of commissioning

Dr SK Gupta

1

Pre-Qualifying Conditions for Tender No.- C/7029/11/6271 T

1. The Manufacturer should have standing of manufacturing the equipment for minimum 5 years.
2. The Manufacturer should furnish the list of customers where same model of equipment has been commissioned in last 5 years from the date of opening of the Tender.
3. The vendor should furnish satisfactory performance certificate from one customer where same model has been installed and has been working satisfactorily for last at least 1 year from the date of opening of the Tender. Also furnish the details of customer/company where the equipment has been installed with contact address and telephone no. of the customer.
4. The vendor should ensure regular after sales service including spares for at least five years after expiring of Warranty period.



Dr. S.K. Gupta
AGM (Surgery)