

Annexure – III

Specification for CO2 Insufflator and Cold Light Source for S. P & D. P. Laparoscopes

Sr. No.	Description of Item/Accessory	Proposed specifications	Quantity
1	Carbon Dioxide Insufflators	Electronic CO2 insufflator with pin index connection Should have an adjustable flow rate of 0 to 10 ltr. Per minute and a pressure range adjustable between 0-30 mm Hg. Pressure and flow rate should be displayed on the front panel Provided with Silicon autoclavable tubing with luer attachment. Instrument should work on a supply of 220-240 V, with a frequency of 50 Hz single phase. Fit for purpose	1
2	High Pressure Hose	High Pressure Hose suitable to connect the insufflator with pin indexed CO2 cylinder	1
3	Wrench Kit	Suitable for connecting the insufflator to CO2 cylinder	1
4	Carbon Dioxide Bottle	5 as well as 20 Ltr capacity Carbon Dioxide bottle with pin index connection	2
5	Cold Light Source	Cold light source with dual control having 2 halogen lamps of 250 watts ratings each; operatable on a 220-240 V and 50 Hz supply. Back up light source compatible with SP and DP laparoscope is also to be provided. Fit for purpose	1
6	Fibre Optic Light Cable	4.5 – 10.0 mm in diameter, 180-200 cm in length compatible with the cold light source and the commonly available telescopes (necessary adaptors may be provided)	1
7	UPS	UPS – 1.0 KVA with one hour backup time	1
8	<u>Essential Parts</u>		
	i) Mains Cord	Compatible with insufflator and cold light source	2
	ii) Halogen Spare Lamps	Halogen spare lamps of 250 watts	12
	iii) Manuals	Operation manual (for insufflator & source) Service manual (“ “ “ “) Spare parts list (with part nos.) (“ “)	2 2 2
9	Formaline Chamber (for Sterilisation of Laparoscopes)	Of appropriate size for sterilizing the laparoscope	1
10	Tray for sterilization of Laparoscopes	Of appropriate size for sterilizing the laparoscope	2

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