

### Lot 3

#### Technical Specification for Endoscopy Machine

1. It should have Superior image quality with crisp, clear images and true-to-life Color.
2. The scope should have four user-programmable remote switches to improve operability.
3. Should be equipped with special optical image enhancement technology (NBI/BLI/OE/mBLU/iScan/ Equivalent)
4. It Should preferably have a locking mechanism for Holding guide wires during ERCP.
5. It should provide high-resolution vision: 4K/FHD

Direction of View	95° backward oblique
Distal end outer diameter	14.0 mm or less
Insertion tube Outer diameter	11.5 mm or less
Channel Diameter	4.2mm or more
Insertion tube length	1200 mm or more
Field of View	100° or more
Depth of Field	5 – 60mm or better
Angulations	UP-120°, Down-90°, Right-110°, Left-90° or better
Minimum Visible distance	10mm or less.

6. Video Process & Light Source.
  - Integrated or separate unit with light source.
  - Unit should be compact and light weight.
  - Light source –LED with emergency backup facility.
  - Should be equipped with special optical image enhancement technology (NBI/BLI/OE/mBLU/ iScan/ Equivalent) for detailed diagnosis of mucosal and pit pattern.
  - Air pump – Inbuilt air pump with minimum two variable air flow control.
  - Electronic magnification upto 1.5X by a touch of scope remote switches.
  - Video Output: DVI and HD-SDI output must be available.
7. Inbuilt 5 Basic training Module.
8. Monitor: Touch Screen 21" or more High Definition of Medical Grade.
9. Trolley: Good quality Trolley.
10. Accessories (preferably from the same company)
  - Single Use Guide Wire – 5 Nos.
  - Single Use Shpincetrome – 3 Nos.
  - Single use stone extractor balloon – 5 Nos
  - Biopsy Valve – 10 Pkts
  - Air – Water and suction valves – 2 Units Each.
11. Product should have USFDA/EUCE(Notified)
12. Manufacturer should have ISO 9000
13. Warranty- 3 years' onsite warranty.