

## **APPENDIX 3u**

### **LOT 21 SPECIFICATION**

#### **EAR, NOSE AND THROAT ENDOSCOPES AND ASSOCIATED OPTIONS AND RELATED SERVICES**

##### **1. Introduction**

- 1.1. This Lot is for the supply of Ear, Nose and Throat (ENT including a Rhinolaryngo Videoscope, and the cameras, light sources, video displays, printers and trolleys associated with their use.
- 1.2. The core product lines within this Lot is a rhinolaryngo videoscope system.
- 1.3. All product line(s) must be supplied with a minimum 7 year expected lifecycle under proper use and maintenance.
- 1.4. Applicants will be expected to work towards the British Society of Gastroenterology (BSG) guidelines for decontamination protocols and recommended cleaning instructions for gastrointestinal endoscopic equipment.

##### **2. Rhinolaryngo Videoscope System**

- 2.1. This is the core technical specification for a rhinolaryngo videoscope system which must include the following:
  - 2.1.1. Camera control unit.
  - 2.1.2. Light source.
  - 2.1.3. Video display.
  - 2.1.4. Colour video printer.
  - 2.1.5. Trolley.
  - 2.1.6. Rhinolaryngo videoscope.
- 2.2. The camera control unit must have the following features:
  - 2.2.1. High definition resolution (e.g. 1920x1080, 1280x1024, 1280x720 mega pixels).
  - 2.2.2. At least one or a combination of DVI, HD-SDI, HDMI or component RGB output.
- 2.3. The light source must have the following features:
  - 2.3.1. The lamp must be halogen, LED or Xenon.
  - 2.3.2. The light intensity must have automatic control with manual override.
- 2.4. The video display must have the following features:
  - 2.4.1. An LCD/LED screen.
  - 2.4.2. A minimum 18" screen (measured diagonally corner to corner).
  - 2.4.3. High definition resolution (e.g., 1920x1080, 1280x1024, 1280x720 mega pixels).

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- 2.4.4. Digital and analogue inputs.
  - 2.4.5. An aspect ratio shall be 16:9 or 16:10.
- 2.5. The colour video printer must as a minimum, have the following features:
- 2.5.1. The capture and print function must be remotely controllable directly from the Rhinolaryngo system or from the camera head.
  - 2.5.2. The ability to provide single and multiple images per sheet of A4 paper.
  - 2.5.3. The colour video printer must interface with the rhinolaryngoscope video system.
- 2.6. The system must be supplied with a trolley to house the equipment securely, allow power to be supplied and to enable the system to be moved as required. The trolley must have easily moveable, full swivel wheels with foot pedal controlled swivel locks available on at least two wheels and foot pedal controlled brakes available on at least two wheels.
- 2.7. All rhinolaryngo videoscopes must not be affected by reprocessing after use including disinfection and high level cleaning.
- 2.8. All rhinolaryngo videoscopes must be compatible with a high definition camera control unit.
- 2.9. The Charged Coupled Device (CCD), Complementary Metal Oxide Semiconductor (CMOS) or equivalent image sensor must be single-chip.
- 2.10. The Rhinolaryngo videoscope must have the following features:
- 2.10.1. Insertion tube outer diameters ranging from at least 2.5 – 4.9mm.
  - 2.10.2. A minimum 80° field of view.
  - 2.10.3. A working length from 30 to 36.5cm.
  - 2.10.4. An up angulation of 130° to 180°.
  - 2.10.5. A down angulation of 90° to 130°.

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