TECHNICAL SPECIFICATION FOR BRONCHO FIBERSCOPE

1. **Broncho Fiberscope: Adult: features/ specifications:**

   - Light weight, high resolution bronchoscope with integral (non detachable) light cable.
   - Fully immersible in liquid disinfectant solution.
   - Leak testing facility with regulated (flow & pressure) air feeding (non-pressure gauge system) system through light source.
   - Autoclavable suction valve to avoid risk of cross-contamination.
   - Telescopic eyepiece for direct compatibility to CCTV system in future.
   - It should be compatible with Olympus OES video system Model OTVSC,AR-T 10 which is already installed in the hospital.
   - Field of view  
     Minimum 110 degree
   - Depth of field  
     3 mm to 50 mm or better
   - Distal end outer diameter  
     5.8-6.0 mm
   - Insertion tube diameter  
     5.8-6.0 mm
   - Bending range  
     up 180 degree & down 130 degree
   - Working length  
     550 mm (minimum)
   - Total length  
     850 mm (minimum)
   - Channel diameter  
     2.8 mm or more
   - Standard set should have biopsy forceps, cleaning/maintenance kit, cytology Brush (Ten), Mouthpiece, suction valves, semi disposable Aspiration transtracheal needle (one).

2. **Broncho Fiberscope: Paediatric: features/ specifications:**

   - Light weight, high resolution bronchoscope with integral (non detachable) light cable.
   - Fully immersible in liquid disinfectant solution.
   - Leak testing facility with regulated (flow & pressure) air feeding (non-pressure gauge system) system through light source.
   - Autoclavable suction valve to avoid risk of cross-contamination.
   - Telescopic eyepiece for direct compatibility to CCTV system in future.
   - It should be compatible with Olympus OES video system Model OTVSC,AR-T 10 which is already installed in the hospital.
   - Field of view  
     Minimum 110 degree
   - Depth of field  
     3 mm to 50 mm or better
   - Distal end outer diameter  
     Maximum 5 mm
   - Insertion tube outer diameter  
     Maximum 5 mm
   - Bending range  
     up 180 degree & down 130 degree
   - Working length  
     550 mm (minimum)
   - Total length  
     850 mm (minimum)
   - Channel diameter  
     Upto 2.4 mm
   - Standard set should have biopsy forceps, cleaning/maintenance kit, cytology Brush (Ten), Mouthpiece, suction valves, semi disposable Aspiration transtracheal needle (one).
3. **Halogen Light Source**

- It should be compact and light weight around 5-6 kg or less for easier transportability
- Should have 150 watts halogen lamp with stand by lamp option.
- Should have built in pump for distension & leakage testing.

4. **Bronchoscopy Software**

- Still & live images recording and report Generation.
- Direct opening of report on to power point.
- Auto masking
- Movie Merger facility for different patients.
- Album presentation.
- Export of images (bitmap)
- Template for Bronchoscope procedure.
- User friendly
- Provision for still images retrieval from recorded live movies.
- Audio merger (optional)

5. **Essential Conditions:**

- All equipment quoted must meet ISO/CE/FDA or ISI standards with certification proof.
- Only authorized representatives of reputed manufactures who have supplied and installed similar equipments in reputed institutions including Government/Municipal Hospitals for at least 10 years need apply,
- The manufacturer must submit performance report the last 5 years from reputed institutions including Government/ Municipal Hospitals.

6. **Other Conditions:**

- The equipment should be up gradeable.
- Spare parts including servicing (major and minor) should be available in Delhi for atleast next 10 years.
- Firm should quote AMC rates cost of spares for next 5 years after expiry of warranty period.
- All rates should be quoted in Indian currency only.
- F.O.R. destination is Dr. SPM Chest Hospital, Patparganj, Delhi 110091

******************************************
*