

Annexure - A

Specifications for URS

1. Uretero-Reno scope - 1 Pc

It should have the following features:

- Direction of view should be 5-12 degree.
 - Distal end outer diameter should be around 6-8 Fr.
 - Working length should be 400-450 mm.
 - Single/dual working channel- Incorporated/Detachable instrument port with sealing system and quick release lock, 2 channels.
 - Working channel diameter should be around 4-6 Fr.
 - Rigid type/Semi-Rigid type
 - Angled eye piece.
 - Autoclavable.
 - 2 lateral irrigation ports.
 - Built -in maintenance free stop cocks.
 - It should be supplied with following items
 - Self sealing cap- 10 no.
 - Autoclavable instrument tray.
2. Grasping forceps for stone fragments, double action jaws, 3Fr-4 Fr, flexible/rigid, autoclavable, length 55-60 cms -2 Pcs.
3. Grasping forceps for large stone fragments, double action jaws, 5 Fr, flexible/Rigid, length 55-60 cms - 2 Pcs.
4. Accessories(for each scope)
- a. Membrane seal(pack of 10)-2
 - b. Membrane retainer, standard-1
 - c. Membrane retainer with luer-1

Stone therapy with laser, ultrasound, electro-hydraulic or ballistic lithotripsy should be feasible. Rigid auxillary instruments should go through the straight instrument channel.

All instruments should be CE and FDA approved

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Specification for Nephroscope and PCNL sets

The system should have following:

- Telescope: QTY 1 No. each
 - 18-22 Fr , autoclavable, with working channel of 12 Fr (4 mm) or more and having working length of more than 220mm.
 - Should have maintenance free stopcocks.
- Sheaths and hand instruments

The system should have quick snap on mechanism. Sheath should have matt finish for staying of lubrication gel to reduce friction trauma to the patient. Maintenance free stopcocks needing no lubrication
- Outer sheath :QTY 1 No. each
 - Should be 24-26 Fr for compatible telescope 18-22Fr, autoclavable, with working channel of 12 Fr (4 mm) or more with standard hollow obturator.
- Hand instrument: QTY 5 Nos. each
 - 380mm-400mm grasping forceps, toothed.
 - 380mm-400mm grasping forceps, with fenestration/lumen/fine serration
 - 380mm-400mm grasping forceps , three nail/PRONG
- The eye piece should be compatible with standard endovision camera head.
- Accessories – standard
- Storage and transportation tray
- All instrument must be CE and FDA certified wherever applicable.

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