

# Section VII. Technical Specifications

## Technical Specifications

| Item | Specification | Statement of Compliance  |
|------|---------------|--|
|      |               | <i>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i> |

| ITEM NO. | ITEMS                          | SPECIFICATIONS   | UNIT  | STATEMENT OF COMPLIANCE |
|----------|--------------------------------|--|-------|-------------------------|
| 1        | Anti-retropulsion stone device | Length: 150-200cm<br>Diameter: 3Fr 10mm<br>Cone or basket type         | piece |                         |
| 2        | Bladder Evacuator              | with adaptors compatible to existing resectoscopes (Storz and Olympus) | box   |                         |
| 3        | Bulldog clamp                  | 3 inches, Straight   | piece |                         |
| 4        | Bulldog clamp                  | 3 inches, Curved   | piece |                         |
| 5        | Bulldog clamp                  | 2 inches, Straight   | piece |                         |

|    |  |   |       |  |
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| 6  | Bulldog clamp                              | 2 inches, Curved  | piece |  |
| 7  | De Pezzer or Malecot-type Urinary Catheter | Diameter: 18Fr<br>Length: 40cm-60cm   | piece |  |
| 8  | De Pezzer or Malecot-type Urinary Catheter | Diameter: 20Fr<br>Length: 40cm-60cm   | piece |  |
| 9  | Disposable flexible ureterorenoscope       | View: 90 degrees. Direction of view: Zero degrees. Depth of field: 2-50mm. Image quality: at least 10000 pixels. Movement: 270 degrees superiorly and inferiorly. Outer diameter: 2.0-3.0mm. Length: 600-700mm. Working channel 1.2mm.  | piece |  |
| 10 | Double-J Tumor Ureteral Stent Set          | All items shall be sterile.<br><br>Included in the set:<br>(1 pc) Guidewire with 0.035 inch or 0.038 inch in diameter, length of 145-155cm that should fit inside the lumen of the included double-J stent and the included open ended stent;<br>(1 pc) Double-J Stent Pusher that should be radioopaque or should have a portion detectable by fluoroscopy;<br>(1 pc) Open End Stent. Diameter: 6Fr<br>(1 pc) Double-J Ureteral Stent. Diameter: 6Fr. Length: 24 cm  | sets  |  |
| 11 | Double-J Ureteral Stent Set                | All items shall be sterile.<br><br>Included in the set:<br>(1 pc) Guidewire with 0.035 inch or 0.038 inch in diameter, length of 145-155cm that should fit inside the lumen of the included double-J stent and the included open ended stent;<br>(1 pc) Double-J Stent Pusher that should be radioopaque or should have a portion detectable by fluoroscopy;<br>(1 pc) Open End Stent. Diameter: 6Fr<br>(1 pc) Double-J Ureteral Stent. Diameter: 6Fr. Length: 24 cm. | sets  |  |
| 12 | Double-J Ureteral Stent Set                | All items shall be sterile.<br><br>Included in the set:<br>(1 pc) Guidewire with 0.035 inch or 0.038 inch in diameter, length of 145-155cm that should fit inside the lumen of the included double-J stent and the included open ended stent;<br>(1 pc) Double-J Stent Pusher that should be radioopaque or should have a portion detectable by fluoroscopy;<br>(1 pc) Open End Stent. Diameter: 6Fr<br>(1 pc) Double-J Ureteral Stent. Diameter: 6Fr. Length: 26 cm. | sets  |  |
| 13 | Double-J Ureteral Stent Set                | All items shall be sterile.<br><br>Included in the set:   | sets  |  |

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|----|---|---|--------|--|
|    |   | (1 pc) Guidewire with 0.035 inch or 0.038 inch in diameter, length of 145-155cm that should fit inside the lumen of the included double-J stent and the included open ended stent;<br>(1 pc) Double-J Stent Pusher that should be radioopaque or should have a portion detectable by fluoroscopy;<br>(1 pc) Open End Stent. Diameter: 6Fr<br>(1 pc) Double-J Ureteral Stent. Diameter: 8Fr. Length: 24 cm |        |  |
| 14 | EL-080 0.8MM X 668MM PNEUMATIC PROBE            | compatible with the existing pneumatic lithotripter machine (EMS).  | piece  |  |
| 15 | EL-081 1.6MM X 453MM PNEUMATIC PROBE            | compatible with the existing pneumatic lithotripter machine (EMS).  | piece  |  |
| 16 | EL-220 1.0MM X 570MM PNEUMATIC PROBE            | compatible with the existing pneumatic lithotripter machine (EMS).  | piece  |  |
| 17 | EL-254 0.89MM X 940MM FLEXIBLE PNEUMATIC PROBE  | (SET OF 3) compatible with the existing pneumatic lithotripter machine (EMS).   | piece  |  |
| 18 | EL-276 1.0MM X 497MM PNEUMATIC PROBE            | compatible with the existing pneumatic lithotripter machine (EMS).  | piece  |  |
| 19 | EL-304B 0.89MM X 940MM FLEXIBLE PNEUMATIC PROBE | (SET OF 3) compatible with the existing pneumatic lithotripter machine (EMS).   | piece  |  |
| 20 | EP-029 ACTIVATED CARBON FILTER                  | compatible with the existing compressor of the 3-in-1 lithotripsy machine (EMS)   | piece  |  |
| 21 | EP-030 GREEN COMPRESSOR FILTER                  | compatible with the existing compressor of the 3-in-1 lithotripsy machine (EMS)   | piece  |  |
| 22 | EP-031 WHITE COMPRESSOR FILTER                  | compatible with the existing compressor of the 3-in-1 lithotripsy machine (EMS)   | piece  |  |
| 23 | Guide Wire Introducer Needle                    | Gauge: 18<br>Length: 18-25cm for use in accessing the kidney's pelvocalyceal system.<br>The access needle should have an outer sheath which can accommodate urological guidewires up to 0.038 inch in diameter.   | piece  |  |
| 24 | Open ended Ureteral Catheter                    | Diameter: 6Fr<br>Length: 70cm<br>Tip: Soft/Open Tip   | pieces |  |
| 25 | Open ended Ureteral                             | Diameter: 8Fr Length: 70cm<br>Tip: Soft/Open Tip  | pieces |  |

|    | Catheter                    |   |       |  |
|----|-----------------------------|---|-------|--|
| 26 | Renal Dilators              | Plastic Amplatz Renal Dilators (8Fr, 10Fr, 12Fr, 14Fr, 16Fr, 18Fr, 20Fr, 22Fr, 24Fr, 26Fr, 28Fr, 30F)<br>Plastic Amplatz Type Renal Sheaths (24Fr, 26Fr, 28Fr, 30Fr),<br>8/10 Dilator/Sheath Set  | piece |  |
| 27 | Renal tract balloon dilator | 24Fr Renal Sheath<br>Balloon dilator, high pressure<br>Balloon length: 12 to 15 cm<br>Handheld balloon inflator<br>Catheter size: 7Fr   | piece |  |
| 28 | Renal tract balloon dilator | 30Fr Renal Sheath<br>Balloon dilator, high pressure<br>Balloon length: 12 to 15 cm<br>Handheld balloon inflator<br>Catheter size: 7Fr   | piece |  |
| 29 | SILICONE PROBE GUIDES       | compatible with the existing pneumatic lithotripter machine probe. (EMS)  | piece |  |
| 30 | Sterile Collins Knife       | compatible with the existing Olympus resectoscope   | piece |  |
| 31 | Sterile cutting loop        | compatible with the existing Olympus resectoscope   | piece |  |
| 32 | Sterile Foley Catheter      | Silicon elastomere coated<br>Disposable<br>Three-way<br>Fr. 24<br>Needleless<br>Balloon should have high tensile strength and can withstand up to 100mL without bursting<br>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa<br>The tip should not easily kink on manipulation and insertion<br>The lumen should withstand manual and repetitive suctioning without collapsing<br>The body should be easy to handle and should not be slippery to manipulate.<br>The item should have only one round atraumatic inlet and one round atraumatic outlet at the tip. | piece |  |
| 33 | Sterile Foley Catheter      | Silicon elastomere coated<br>Disposable<br>Two-way<br>Fr. 14<br>Needleless<br>Balloon should have high tensile strength<br>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa<br>The tip should not easily kink on manipulation and insertion<br>The lumen should withstand manual and repetitive suctioning without collapsing<br>The body should be easy to handle and should not be slippery to manipulate.  | piece |  |

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|----|------------------------|---|-------|--|
|    |                        | The item should have only one round atraumatic inlet  |       |  |
| 34 | Sterile Foley Catheter | <p>Silicon elastomere coated</p> <p>Disposable</p> <p>Two-way</p> <p>Fr. 16</p> <p>Needleless</p> <p>Balloon should have high tensile strength</p> <p>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa</p> <p>The tip should not easily kink on manipulation and insertion</p> <p>The lumen should withstand manual and repetitive suctioning without collapsing</p> <p>The body should be easy to handle and should not be slippery to manipulate.</p> <p>The item should have only one round atraumatic inlet</p> | piece |  |
| 35 | Sterile Foley Catheter | <p>Silicon elastomere coated</p> <p>Disposable</p> <p>Two-way</p> <p>Fr. 18</p> <p>Needleless</p> <p>Balloon should have high tensile strength</p> <p>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa</p> <p>The tip should not easily kink on manipulation and insertion</p> <p>The lumen should withstand manual and repetitive suctioning without collapsing</p> <p>The body should be easy to handle and should not be slippery to manipulate.</p> <p>The item should have only one round atraumatic inlet</p> | piece |  |
| 36 | Sterile Foley Catheter | <p>Silicon elastomere coated</p> <p>Disposable</p> <p>Two-way</p> <p>Fr. 20</p> <p>Needleless</p> <p>Balloon should have high tensile strength</p> <p>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa</p> <p>The tip should not easily kink on manipulation and insertion</p> <p>The lumen should withstand manual and repetitive suctioning without collapsing</p> <p>The body should be easy to handle and should not be slippery to manipulate.</p> <p>The item should have only one round atraumatic inlet</p> | piece |  |
| 37 | Sterile Foley Catheter | <p>All-silicon</p> <p>Disposable</p> <p>Two-way</p> <p>Fr. 8</p> <p>Needleless</p> <p>Balloon should have high tensile strength</p> <p>Inflow and outflow eyelets should be</p>   | piece |  |

|    |                        |  |       |  |
|----|------------------------|--|-------|--|
|    |                        | atraumatic to the urethral and bladder mucosa<br>The tip should not easily kink on manipulation and insertion<br>The lumen should withstand manual and repetitive suctioning without collapsing<br>The body should be easy to handle and should not be slippery to manipulate.<br>The item should have only one round atraumatic inlet   |       |  |
| 38 | Sterile Foley Catheter | All-silicon<br>Disposable<br>Two-way<br>Fr. 10<br>Needleless<br>Balloon should have high tensile strength<br>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa<br>The tip should not easily kink on manipulation and insertion<br>The lumen should withstand manual and repetitive suctioning without collapsing<br>The body should be easy to handle and should not be slippery to manipulate.<br>The item should have only one round atraumatic inlet | piece |  |
| 39 | Sterile Foley Catheter | All-silicon<br>Disposable<br>Two-way<br>Fr. 12<br>Needleless<br>Balloon should have high tensile strength<br>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa<br>The tip should not easily kink on manipulation and insertion<br>The lumen should withstand manual and repetitive suctioning without collapsing<br>The body should be easy to handle and should not be slippery to manipulate.<br>The item should have only one round atraumatic inlet | piece |  |
| 40 | Sterile Foley Catheter | All-silicon<br>Disposable<br>Two-way<br>Fr. 14<br>Needleless<br>Balloon should have high tensile strength<br>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa<br>The tip should not easily kink on manipulation and insertion<br>The lumen should withstand manual and repetitive suctioning without collapsing<br>The body should be easy to handle and should not be slippery to manipulate.<br>The item should have only one round                  | piece |  |

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|----|------------------------|--|-------|--|
|    |                        | atraumatic inlet   |       |  |
| 41 | Sterile Foley Catheter | <p>All-silicon<br/>Disposable<br/>Two-way<br/>Fr. 16<br/>Needleless<br/>Balloon should have high tensile strength<br/>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa<br/>The tip should not easily kink on manipulation and insertion<br/>The lumen should withstand manual and repetitive suctioning without collapsing<br/>The body should be easy to handle and should not be slippery to manipulate.<br/>The item should have only one round atraumatic inlet</p>  | piece |  |
| 42 | Sterile Foley Catheter | <p>All-silicon<br/>Disposable<br/>Two-way<br/>Fr. 18<br/>Needleless<br/>Balloon should have high tensile strength<br/>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa<br/>The tip should not easily kink on manipulation and insertion<br/>The lumen should withstand manual and repetitive suctioning without collapsing<br/>The body should be easy to handle and should not be slippery to manipulate.<br/>The item should have only one round atraumatic inlet</p>  | piece |  |
| 43 | Sterile Foley Catheter | <p>Silicon elastomere coated<br/>Disposable<br/>Three-way<br/>Fr. 22<br/>Needleless<br/>Balloon should have high tensile strength and can withstand up to 100mL without bursting<br/>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa<br/>The tip should not easily kink on manipulation and insertion<br/>The lumen should withstand manual and repetitive suctioning without collapsing<br/>The body should be easy to handle and should not be slippery to manipulate.<br/>The item should have only one round atraumatic inlet and one round atraumatic outlet at the tip.</p> | piece |  |
| 44 | Sterile Foley Catheter | <p>Silicon elastomere coated<br/>Disposable<br/>Two-way<br/>Fr. 12<br/>Needleless</p>  | piece |  |

|    |   |   |       |  |
|----|---|---|-------|--|
|    |   | <p>Balloon should have high tensile strength<br/>Inflow and outflow eyelets should be atraumatic to the urethral and bladder mucosa<br/>The tip should not easily kink on manipulation and insertion<br/>The lumen should withstand manual and repetitive suctioning without collapsing<br/>The body should be easy to handle and should not be slippery to manipulate.<br/>The item should have only one round atraumatic inlet</p>  |       |  |
| 45 | Sterile methylene blue for injection      | Preparation: 10mL to 20mL   | piece |  |
| 46 | Sterile Percutaneous Nephrostomy Tube Set | <p>Set includes: (1 pc) 10Fr nephrostomy tube, Length: at least 30cm;<br/>(1 pc) Metallic probe to straighten cannula;<br/>(1 pc) Flexible probe to straighten cannula;<br/>(1 pc) Gauge 18, 20 cm, introducer needle with hollow outer sheath;<br/>(1 pc) J-tip guide wire with a 0.035 inch diameter, length of 90cm-150cm;<br/>(4 pcs) tract dilators — 6Fr, 8Fr, 10Fr, 11Fr;</p> <p>(1 pc) Contrasting needle;<br/>(1 pc) Connecting Tube from Nephrostomy to Urine Bag;<br/>(1 pc) Blade 11 Scalpel;<br/>(1 pc) Stopcock</p> | piece |  |
| 47 | Sterile Percutaneous Nephrostomy Tube Set | <p>Set includes: (1 pc) 8Fr nephrostomy tube, Length: at least 30cm;<br/>(1 pc) Metallic probe to straighten cannula;<br/>(1 pc) Flexible probe to straighten cannula;<br/>(1 pc) Gauge 18, 20 cm, introducer needle with hollow outer sheath;<br/>(1 pc) J-tip guide wire with a 0.035 inch diameter, length of 90cm-150cm;<br/>(4 pcs) tract dilators — 6Fr, 8Fr, 10Fr, 11Fr;</p> <p>(1 pc) Contrasting needle;<br/>(1 pc) Connecting Tube from Nephrostomy to Urine Bag;<br/>(1 pc) Blade 11 Scalpel;<br/>(1 pc) Stopcock</p>  | piece |  |
| 48 | Sterile Percutaneous Nephrostomy Tube Set | <p>Set includes:<br/>(1 pc) 12Fr nephrostomy tube, Length 30cm;<br/>(1 pc) Metallic probe to straighten cannula;<br/>(1 pc) Flexible probe to straighten cannula;<br/>(1 pc) Gauge 18, 20 cm, introducer needle with hollow outer sheath;<br/>(1 pc) J-tip guide wire with a 0.035 inch diameter, length of 90cm-150cm;<br/>(5 pcs) tract dilators — 6F, 8F, 10F, 12F, 13F<br/>(1 pc) Contrasting needle;<br/>(1 pc) Connecting Tube from Nephrostomy to Urine Bag;<br/>(1 pc) Blade 11 Scalpel;</p>                              | piece |  |



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|----|---|---|-------|--|
|    |   | (1 pc) Stopcock   |       |  |
| 49 | Sterile Percutaneous Nephrostomy Tube Set | (1 pc) 14Fr nephrostomy tube, Length: at least 30cm;<br>(1 pc) Metallic probe to straighten cannula;<br>(1 pc) Flexible probe to straighten cannula;<br>(1 pc) Gauge 18, 20 cm, introducer needle with hollow outer sheath;<br>(1 pc) J-tip guide wire with a 0.035 inch diameter, length of 90cm-150cm;<br>(6 pcs) tract dilators — 6F, 8F, 10F, 12F, 14F, 15F<br>(1 pc) Contrasting needle;<br>(1 pc) Connecting Tube from Nephrostomy to Urine Bag;<br>(1 pc) Blade 11 Scalpel;<br>(1 pc) Stopcock | piece |  |
| 50 | Sterile roller ball                       | compatible with the existing Olympus resectoscope   | piece |  |
| 51 | Sterile Urinary Drainage Bag              | for specific use for postoperative irrigation and drainage of bladder<br>With universal connector compatible with most indwelling foley catheters<br>With hooks/cords to secure the bag at bedside<br>With anti-reflux valve to help prevent ascending infections<br>Capacity: 4000mL-5000mL<br>T-type outlet<br>Latex-free<br>Single-use   | piece |  |
| 52 | Stone retrieval basket                    | for use in ureteroscopy<br>Material: nitinol<br>Kink resistant<br>Straight tip<br>Helical (4-wire)<br>Diameter: 2.5-3Fr<br>Length: 120-140cm  | piece |  |
| 53 | Stone retrieval basket                    | for use in ureteroscopy<br>Material: nitinol<br>Kink resistant<br>Zero tip<br>Helical (4-wire)<br>Diameter: 2.5-3Fr<br>Length: 120-140cm  | piece |  |
| 54 | Suprapubic Cystostomy Set                 | 15Fr or 16Fr or 18Fr Malecot type or Foley type suprapubic catheter<br>Catheter should have an open end where a guidewire may be passed thru<br>Balloon of catheter: 5-10mL<br>Introducer needle<br>Drainage tube   | sets  |  |
| 55 | Telescoping bougie set                    | for renal tract dilation. 9Fr, 12Fr, 15Fr, 18Fr, 21Fr, 24Fr, 27Fr, 30Fr. Material: metallic or alloy.   | set   |  |
| 56 | Transrectal ultrasound probe condom cover | compatible with existing ultrasound machine in the renal lithotripsy center. Sterile. Individually packed.  | piece |  |
| 57 | ULTRASONIC PROBE                          | 1.5 MM LENGTH 573MM compatible with the existing ultrasonic machine handpiece   | piece |  |

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|    |                                | (EMS)  |        |  |
| 58 | ULTRASONIC PROBE               | 3.3 MM LENGTH 403MM compatible with the existing ultrasonic machine handpiece (EMS)  | piece  |  |
| 59 | Ultrasound probe sterile cover | for handheld transducers   | pieces |  |
| 60 | Ureteral Dilator Set           | Length: 30 cm<br>Diameter: 6Fr, 8Fr, 9Fr, 10Fr, 11Fr, 12Fr, 14Fr, 16Fr, 18Fr   | sets   |  |
| 61 | Urological Guidewire           | Sterile<br>Polytetrafluoroethylene coated shaft<br>Very Stiff-bodied<br>Diameter: 0.038in<br>For general urologic procedures<br>Tip: straight, atraumatic, 3-7cm flexible<br>Length: 140cm-200cm | piece  |  |
| 62 | Urological Guidewire           | Sterile<br>Polytetrafluoroethylene coated shaft<br>Nitinol core<br>Hydrophilic, atraumatic, flexible tip (3-5cm)<br>Diameter: .035 inch<br>Length: 150-200 cm<br>Tip Shape: Straight             | piece  |  |
| 63 | Urological Guidewire           | Sterile<br>Bentson-Type<br>Diameter: 0.035 inch<br>Length: 140cm-200cm<br>Tip: Straight 5-7cm flexible.  | piece  |  |
| 64 | Urological Guidewire           | Sterile<br>Nitinol-core guidewire<br>Polytetrafluoroethylene coating<br>Striped pattern for better visualization<br>Flexible distal tip 3-7 cm.<br>Diameter: 0.035in.<br>Length: 150-200cm.      | piece  |  |
| 65 | Urological Guidewire           | Sterile<br>Nitinol-core guidewire<br>Polytetrafluoroethylene coating<br>Striped pattern for better visualization<br>Flexible distal tip 3-7 cm.<br>Diameter: 0.032in.<br>Length: 150-200cm.      | piece  |  |
| 66 | Urological Guidewire           | Sterile<br>Stainless Steel body<br>J-tip<br>The tip is atraumatic and flexible by 3-5cm<br>The tip is ball type<br>Body should be stiff.<br>Length: 90cm-150cm.<br>Diameter: 0.038 inch          | piece  |  |
| 67 | Urostomy bags with wafer       | Diameter: 40-50mm  | piece  |  |

**TERMS & CONDITIONS:**

1. The quantities specified are the estimated quantities only and may be decreased based on the actual need of the hospital and availability of fund. It is understood that EAMC is not bound to purchase all of the quantities/items called for in Invitation to Bid (ITB).
2. Deliveries shall have at least eighteen (18) months expiration date/shelf-life. For items with shorter expiration date, the Supplier shall submit an assurance letter prior to deliver for approval of the Head of the Procuring Entity (HOPE) or his authorized representative.

|   |
|---|
| <i>Conforme:</i>  |
| <i>Company/Bidder's Name:</i>                           |
| <i>Name and Signature of Authorized Representative:</i> |
| <i>Date:</i>  |