

TECHNICAL SPECIFICATIONS

Important Instructions for Technical Specifications

1. The bidders shall NOT write the word “As per specifications”, “specifications compliance” or any other related terms.
2. The bidder shall prepare the bid specifications in an **annotated for ease of comparison & evaluation**. The specifications will also be supported with **brochures of quoted equipment**, reference **picture/design / website link of the product**. The relevant brochures having complete specification must be attached with the technical bid otherwise bids shall be declared as non-responsive

C	Annexure C ENDOSCOPY		
1	Pediatric Cystoscopy		<p>TELESCOPE 0° Ø 1.9MM WL 178MM rigid, TL 243mm, rod lens system TELESCOPE 0° Ø 2.7MM WL 178MM rigid, TL 243mm, rod lens system Operating cysto-urethroscope 12° 8/9.8fr for reflux therapy in small children.(Qty 02) SHEATH FOR CYSTOSCOPE 7.5FR SHEATH FOR CYSTOSCOPE 8.5FR SHEATH" (9.5 Fr.) CYSTO-URETHROSCOPE INJECTION CANNULA BIOPSY FORCEPS 3 FR. flexible Rigid grasping forcep 5fr CYSTOSCOPE ADAPTOR/BRIDGE COAG ELECTRODE MONO 4FR WL 400MM for cystoscopy, electrode shape: button, PACK=1 PC, reusable FLEX. BIOPSY FORCEPS 3FR WL 230MM double action, TL 380mm, non-dismantling, Reusable FOREIGN BODY FORCEPS, 3 FR. Flexible COAG ELECTRODE MONO 4FR WL 400MM for cystoscopy, electrode shape: button. PACK=1 PC, reusable BUTTON ELECTRODE 3 FR., HF MONOP HF CONNECTION CABLE MONO L 3M reusable</p> <p>NOTE: Similar values are acceptable</p>
2	Pediatric Resectoscopy with Pediatric straight forward telescope		<p>TELESCOPE 30° Ø 2.7MM WL 178MM rigid, TL 243mm, rod lens system (Qty 02) SHEATH / OBTURATOR / LUER LOCK TUBE PART 9fr and 11.5fr WORKING ELEMENT " passive cutting action for resectoscope with telescope 1.9 mm, for neonates and small children ATTACHMENT with 1 instrument port for resectoscope with telescope 1.9 mm for neonates and small children CUTTING ELECTRODE (Qty 30) HOOK ELECTRODE 1,9 MM, HF MONOP (Qty 15) COAGULATING ELECTRODE (Qty 20) for resectoscope, telescope Ø 1.9mm, electrode shape: ball, PACK=1 PC, for E- Line resectoscope, unsterile, reusable HF CONNECTION CABLE MONO L 3M reusable Bladder syringe</p> <p>NOTE: Similar values are acceptable</p>
3	Optical Urethrotome for treatment of structures. Pediatric		<p style="text-align: center;">PAEDS URETHROTOME</p> <p>TELESCOPE 0° Ø 1.9MM WL 178MM rigid, TL 243mm, rod lens system 1</p> <p>1- SHEATH / OBTURATOR / LUER LOCK TUBE PART 8.5fr 1</p> <p>2- ATTACHMENT with 1 instrument port for resectoscope with 1</p>

			<p>telescope 1.9 mm for neonates and small children</p> <p>4- WORKING ELEMENT 1</p> <p>passive cutting action, with closed handle for optical urethrotome with telescope 1.9 mm for neonates and small children</p> <p>5- STRICTURE SCALPEL for the cold cutting of urethral strictures, lanzet blade cutting edge on both sides 15</p> <p>6- STRICTURE SCALPEL half-moon shaped 5</p> <p>7- SCALPEL 8.5FR SICKLE SHAPED 5</p> <p>8- SCALPEL 8.5FR HOOK-SHAPED 5</p> <p>for optical urethrotome, telescope \varnothing 1.9mm, cutting position 12 O'clock, for cutting urethral strictures, reusable</p> <p>NOTE: Similar values are acceptable</p>
4	Pediatric Laparoscope with telescope, double approach		<p>LAPAROSCOPE FOR SMALL CHILDREN Sizes of scopes and instruments should be 3mm to 3.5mm Length 180-300mm (MANDATORY)</p> <p>TELESCOPE Diameter 3,5mm, Lap. 0°,WL 180-250 mm, 2</p> <p>TELESCOPE Diameter 3,5mm, Lap. 30°,WL 180-250 mm, 2</p> <p>TROCAR SLEEVE 2 with magnetic-ball-valve, plastic sleeve with retaining thread, straight distal tip, capacity 3,5mm, working length 50-60 mm 2</p> <p>TROCAR pyramidal tip, capacity 3,5 mm, working length 50-60 mm</p> <p>TROCAR SLEEVE 2 with magnetic-ball-valve, plastic sleeve with retaining thread, straight distal tip, capacity 3.5mm, working length 50-60 mm 2</p> <p>TROCAR pyramidal tip, capacity 3.5 mm, working length 50-60 mm</p> <p>MODULAR ATRAUMATIC FORCEPS 2 FORCEPS JAW INSERT \varnothing 3.5MM /MODULAR HANDLE /MODULAR SHEATH TUBE 240-300mm 2</p> <p>MODULAR MONOPOLAR DISECTING FORCEPS 2 FORCEPS JAW INSERT \varnothing 3.5MM /MODULAR MONOPOLAR HANDLE /MODULAR SHEATH TUBE, MONOPOLAR 240-300mm 2</p> <p>MODULAR TOOTHED FORCEPS 2 FORCEPS JAW INSERT \varnothing 3.5MM /MODULAR SHEATH TUBE /MODULAR HANDLE 240-300mm 2</p> <p>MODULAR FORCEPS (INTESTINAL) 2 MODULAR SHEATH TUBE / FORCEPS JAW INSERT \varnothing 3.5MM /MODULAR HANDLE 240-300mm 2</p>

			MODULAR MONOPOLAR MEETZEBAUM SCISSORS	2
			SCISSOR INSERT Ø 3.5MM /MODULAR SHEATH TUBE, MONOPOLAR /MODULAR MONOPOLAR HANDLE	2
			MODULAR MONOPOLAR HOOK SCISSORS	2
			SCISSOR INSERT Ø 3.5MM /MODULAR SHEATH TUBE, MONOPOLAR / MODULAR MONOPOLAR HANDLE /	2
			MODULAR UNIVERSAL FORCEPS	2
			MODULAR SHEATH TUBE / FORCEPS JAW INSERT Ø 3.5MM / MODULAR HANDLE /	2
			MODULAR DISECTING & GRASPING FORCEPS	2
			FORCEPS JAW INSERT Ø 3.5MM /MODULAR HANDLE / MODULAR SHEATH TUBE /	2
			MODULAR NEEDLE HOLDER	2
			INNER SECTION Ø 3,5 MM / AXIAL HANDLE / LABELING	2
			PROBE GRADUATED, Ø 3,5 MM working length 310 mm	2
			GRASPING FORCEPS, BIPOLAR, Ø 5 MM	2
			SPRING HANDLE / SCREW CAP / OUTER TUBE / JAW INSERT, BIPOLAR, Ø 3,5 MM /	2
			BIPOLAR-FORCEPS, 3,5MM, CPL.	2
			FORCEPS-INSERT, 3,5MM, BIPOLAR / OUTER TUBE / SPRING HANDLE / SCREW CAP /	2
			SCISSORS, BIPOLAR, Ø 3.5 MM	2
			JAW INSERT, BIPOLAR, Ø 3,5 MM / SHEATH ERAGON / HANDLE, BIPOLAR	2
			HOOK ELECTRODE 3.5 MM, HF MONOP.	2
			with partly insulated hook tip, diameter 3,5 mm, WL 240 mm	2
			HF-MONOPOLAR CONNECTING CABLE 3 M	2
			Unit connecting ESCHMANN and other devices with 4 mm connectors	2
			HF BIPOLAR CONNECTING CABLE 3 M for WOLF / MARTIN / BERCHTOLD/AESCLAP	2
				2
			MODULAR BABCOCK FORCEPS	2
			FORCEPS JAW INSERT Ø 3.5MM /MODULAR HANDLE /MODULAR SHEATH TUBE /	2

			MODULAR BABCOCK FORCEPS	2
			FORCEPS JAW INSERT Ø 3.5MM /MODULAR HANDLE /MODULAR SHEATH TUBE /	2
			EXTRACORPOREAL KNOTPUSHER, Ø 5 MM	2
			by Bueß, with distal notch and lateral opening for optimal knot pushing, extremely atraumatic tip for use as probe, WL 330 mm	2
			STERILIZATION-TRAY	2
			complete outer measures: 766x186x92, Inner measures: 700x120x75	2
			Suction tube compatible	
			Combine Suction-irrigation tube compatible	
			Smoke evacuation filter	
			Veres Cannulas	
			TISSUE RETRACTOR	
			REDUCING SLEEVES	
			Multifunctional Suction Irrigation system	
			Laparoscopy retrieval bag	
			Suction irrigation reusable tubes PVC	
			1x FIBER LIGHT CABLE BND	
			1x DISSECTION FORCEPS MONO Ø 3.5MM BNDL	
			1x UNIV. GRASPING FORCEPS Ø 3.5MM BNDL	
			1x METZENBAUM SCISSORS MONO Ø 3.5MM BNDL	
			1x DISSECTION FORCEPS MONO Ø 3.5MM BNDL	
			1x HOOK ELECTRODE MONO Ø 3.5MM WL	
			1x HANDLE AXIAL MONO	
			1x ROTATABLE WHEEL CONNECTOR	
			1x GRASPING FORCEPS BIPO Ø 3.5MM BNDL	
			1x SUCT./IRRIG. TUBE Ø 3.5MM WL	
			1x SUCTION-IRRIGATION HANDLE	
			1x SEALING CAP	
			1x SUCT./IRRIG.TUBE SET SPIKE L 3M	
			1x NEEDLE HOLDER Ø 3,5MM BNDL	
			1x HF CONNECTION CABLE MONO L 3M	
			1x HF CONNECTION CABLE BIPO L 3M	
			<u>4K Camera Control Unit with built in recording system</u>	
			<u>CAMERA SYSTEM SHOULD BE 4K UHD (MANDATORY) QTY 01</u>	
			UHD Resolution 3840 x 2160 Pixel for live display, progressive scan	
			Built in Recording system, storage of high-resolution images and Videos on USB storage media	
			Intergraded special imaging modes for easier tissue differentiation	
			Aspect ratio 16: 9	
			Touch screen, remote control, USB 1TB	
			Special imaging modes	
			1 TB hard drive	
			<u>4K Camera Head (MANDATORY) QTY 01</u>	
			Progressive Scan, 50 Hz, with 2 freely programmable Camera Head buttons	
			Each button with two functions Autoclavable	
			3x1/3-inch CMOS image sensor	
			Lens, C-mount 24mm	
			Cable length 3.0 m	
			Light sensitivity (max. gain) < 0,7 Lux	
			Weight of camera head (without cable) min 130 g	
			<u>LED MONITOR (Should be 4K) MANDATORY (QTY02)</u>	
			31-32" LCD 4K Flat Screen Monitor from same manufacture	
			Resolution Max: 3840 x 2160	

		<p>Light intense, anti-glare for vibrant and high contrast images</p> <p>ARM For Monitor(Monitor should be ARM Mounted) QTY 02</p> <p>LED Light source (QTY 01) LED Light source 300 watts LED lamp life: 30,000 hours approximately Fiber light cable diameter 5.0 mm,TL 5M</p> <p>Trolley (QTY 01)</p> <p>Should be from the same manufacturer (MANDATORY)</p> <p>Mobile and integrated</p> <p>INSUFFLATOR High flow 45LTR EVAC+HEAT with complete QTY 01</p> <p>Accessories and reusable tubing</p> <p>FLUID CONTROL SYSTEM FOR LAPAROSCOPY With complete accessories and reusable tubing</p> <p>UPS 10 KVA LOCAL SUPPLY (QTY 01)</p> <p>NOTE: Similar values are acceptable</p>																																																																		
5	Pediatric Bronchoscopes	<p>RIGID BRONCHOSCOPY IN CHILDREN</p> <table border="1"> <thead> <tr> <th>Telescopes</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>2.7 mm, 0°, WL 185 mm</td> <td>2</td> </tr> <tr> <td>3.4 mm, 0°, WL 380 mm</td> <td>2</td> </tr> <tr> <td colspan="2">Bronchoscope tube for infants</td> </tr> <tr> <td>4.4 mm, WL 210 mm</td> <td>2</td> </tr> <tr> <td>4.4 mm, WL 210 mm</td> <td>2</td> </tr> <tr> <td colspan="2">Bronchoscope tube for small children's</td> </tr> <tr> <td>4.7 mm, WL 260 mm</td> <td>2</td> </tr> <tr> <td>5.2 mm, WL 210 mm</td> <td>2</td> </tr> <tr> <td>5.2 mm, WL 260 mm</td> <td>2</td> </tr> <tr> <td colspan="2">Bronchoscope tube for small children under 10 years</td> </tr> <tr> <td>6.2 mm, WL 260 mm</td> <td>2</td> </tr> <tr> <td colspan="2">Accessories for bronchoscope tubes</td> </tr> <tr> <td>Universal sealing cap including 2 telescope sealing capes</td> <td>1</td> </tr> <tr> <td>Sealing cap for telescopes Ø 4 mm, 3.4 mm and 2.7 mm</td> <td>1</td> </tr> <tr> <td>Sealing cap</td> <td>1</td> </tr> <tr> <td>Nozzle for jet ventilation</td> <td>1</td> </tr> <tr> <td>Adjustable telescope magnifier</td> <td>1</td> </tr> <tr> <td colspan="2">Optical forceps</td> </tr> <tr> <td>Foreign body forceps</td> <td>2</td> </tr> <tr> <td>Foreign body forceps, alligator jaws</td> <td>2</td> </tr> <tr> <td>Universal forceps</td> <td>2</td> </tr> <tr> <td>Grasping forceps for soft foreign bodies</td> <td>2</td> </tr> <tr> <td>Hooked scissors, 3.5 mm, WL 310 mm</td> <td>2</td> </tr> <tr> <td colspan="2">Forceps and accessories</td> </tr> <tr> <td>Magnetic extractor</td> <td>1</td> </tr> <tr> <td>Magnetic extractor for the removal of magnetizable foreign bodies</td> <td>1</td> </tr> <tr> <td>Sponger, 350 mm long</td> <td>1</td> </tr> <tr> <td>Cotton applicator, 500 mm long</td> <td>1</td> </tr> <tr> <td>Sponger, 500 mm long</td> <td>1</td> </tr> <tr> <td>Suction tube, WL 500 mm, Ø 4.0 mm</td> <td>2</td> </tr> <tr> <td>Suction tube, WL 350 mm, Ø 3.0 mm</td> <td>2</td> </tr> <tr> <td>Cytology brus</td> <td>2</td> </tr> </tbody> </table>	Telescopes	QTY	2.7 mm, 0°, WL 185 mm	2	3.4 mm, 0°, WL 380 mm	2	Bronchoscope tube for infants		4.4 mm, WL 210 mm	2	4.4 mm, WL 210 mm	2	Bronchoscope tube for small children's		4.7 mm, WL 260 mm	2	5.2 mm, WL 210 mm	2	5.2 mm, WL 260 mm	2	Bronchoscope tube for small children under 10 years		6.2 mm, WL 260 mm	2	Accessories for bronchoscope tubes		Universal sealing cap including 2 telescope sealing capes	1	Sealing cap for telescopes Ø 4 mm, 3.4 mm and 2.7 mm	1	Sealing cap	1	Nozzle for jet ventilation	1	Adjustable telescope magnifier	1	Optical forceps		Foreign body forceps	2	Foreign body forceps, alligator jaws	2	Universal forceps	2	Grasping forceps for soft foreign bodies	2	Hooked scissors, 3.5 mm, WL 310 mm	2	Forceps and accessories		Magnetic extractor	1	Magnetic extractor for the removal of magnetizable foreign bodies	1	Sponger, 350 mm long	1	Cotton applicator, 500 mm long	1	Sponger, 500 mm long	1	Suction tube, WL 500 mm, Ø 4.0 mm	2	Suction tube, WL 350 mm, Ø 3.0 mm	2	Cytology brus	2
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06	Video Gastro Colonoscope	HIGH DEFINITION VIDEO GASTROSCOPE (SLIM)																																																																		

TECHNICAL SPECIFICATIONS

~~Ultra Slim Design~~

Advanced Suction capability
Wide viewing angle
Narrow Band Imaging Capability (NBI)(ISCAN)(FIEST)
Waterproof Connector

SPECIFICATION

Field of view: 140°
Depth of field: 3-100mm
Distal End O.D: 5.4 mm (Size should be 5.4 or less) **(MANDATORY)**
insertion Tube O.D: 5.8 mm
Working Length: 1030 mm
Channel inner diameter: 2.2 mm
Angulation range: Up 210° Down 90°
Right 100°, Left 100°
Total Length: 1100 mm

HIGH DEFINITION VIDEO PROCESSOR (HD)

TECHNICAL SPECIFICATIONS

Integrated LED Light Source
High Definition Video System having following features:
HD-SDI & DVI outputs
HD Image Quality with 1920 x 1080 Resolution
Programmable functions through remote buttons / endoscope
Switches
Iris Mode / Light Exposure Peak
Pre-Freeze / Freeze Scan / Anti Blur Function / Shake Reduction Mode / Peak Detection
Freeze Mode
Color Adjustments: Red, Blue: -4 to +4 (± 4) Steps or more
Contrast – 3 Steps
Structure Enhancement / Emphasis
Electronic Magnification / Digital Zoom
45 or more Patients data
Image storage facility (internal / external device)
Keyboard for data handling
Capable for visual enhancement and differentiation of vessels and Capillaries

LCD MONITOR 27"

Full High Definition
HD-SDI and DVI input and Output

16:9 Aspect ratio

Picture in Picture and Picture out Picture function

COMPACT VIDEO TROLLEY (LOCAL MADE)

VIDEOCOLONOSCOPE PEADS

New ultra-slim colonoscope design

NBI (Narrow Band Imaging)

HDTV Image Quality

SPECIFICATION

Field of View	140°
Direction of View	Forward viewing
Depth of Field	2-100 mm
Distal End Outer Diameter	9.7 mm (Size should be 9.7 or less)(MANDATORY)
Insertion Tube O.D	9.5 mm
Working Length	1680 mm
Channel Inner Diameter	3.2 mm
Angulation Range	UP 180° DOWN 180° RIGHT 160° LEFT 160°
Total Length	2000 mm

DISINFECTOR LOCAL

NOTE: Similar values are acceptable

07

Laparoscope

PEDIATRIC LAPAROSCOPE

Sizes of scopes and instruments should be 5mm to 5.5mm (MANDATORY)

Please quote of (QTY02) Of each instrument only

TELESCOPE Diameter 5.5mm, 0°,WL180-250 mm (02)

TELESCOPE Diameter 5.5mm, 30°,WL 180-250 mm (02)

TROCAR SLEEVE

with magnetic-ball-valve,sleeve with retaining thread, straight distal tip, capacity 5.5mm, working length 50-60 mm

TROCAR pyramidal tip, capacity 5,5 mm, working length 50-60 mm

TROCAR COMPLETE SET 5.5MM

with magnetic-ball-valve, sleeve with retaining thread, straight distal tip, capacity 5.5mm, working length 50-60 mm

MODULAR ATRAUMATIC FORCEPS

FORCEPS JAW INSERT Ø 5.5MM /MODULAR HANDLE /MODULAR SHEATH TUBE

MODULAR MONOPOLAR DISECTING FORCEPS

FORCEPS JAW INSERT Ø 5.5MM /MODULAR MONOPOLAR HANDLE /MODULAR SHEATH TUBE, MONOPOLAR

MODULAR TOOTHED FORCEPS

FORCEPS JAW INSERT Ø 5.5MM /MODULAR SHEATH TUBE /MODULAR HANDLE

MODULAR FORCEPS (INTESTINAL)

MODULAR SHEATH TUBE / FORCEPS JAW INSERT Ø 5.5MM /MODULAR HANDLE

MODULAR MONOPOLAR MEETZBAUM SCISSORS

SCISSOR INSERT Ø 5.5MM /MODULAR SHEATH TUBE, MONOPOLAR /MODULAR MONOPOLAR HANDLE

MODULAR MONOPOLAR HOOK SCISSORS

SCISSOR INSERT Ø 5.5MM /MODULAR SHEATH TUBE, MONOPOLAR / MODULAR MONOPOLAR HANDLE

MODULAR UNIVERSAL FORCEPS

MODULAR SHEATH TUBE / FORCEPS JAW INSERT Ø 5.5MM / MODULAR HANDLE

MODULAR DISECTING & GRASPING FORCEPS

FORCEPS JAW INSERT Ø 5.5MM /MODULAR HANDLE / MODULAR SHEATH TUBE

Clip Applicator 5mm

MODULAR NEEDLE HOLDER

INNER SECTION Ø 5.5 MM / AXIAL HANDLE / LABELING

PROBE GRADUATED, Ø 5.5 MM working length 310 mm

GRASPING FORCEPS, BIPOLAR, Ø 5 MM

SPRING HANDLE / SCREW CAP / OUTER TUBE / JAW INSERT, BIPOLAR, Ø 3,5 MM

BIPOLAR-FORCEPS, 5.5MM, CPL

FORCEPS-INSERT, 5.5MM, BIPOLAR / OUTER TUBE / SPRING HANDLE / SCREW CAP

SCISSORS, BIPOLAR, Ø 5.5 MM

JAW INSERT, BIPOLAR, Ø 5.5 MM / SHEATH ERAGON / HANDLE, BIPOLAR

HOOK ELECTRODE 5.5 MM, HF MONOP

with partly insulated hook tip, diameter 5.5 mm, WL 240 mm

HF-MONOPOLAR CONNECTING CABLE 3 M

Unit connecting ESCHMANN and other devices with 4 mm connectors

HF BIPOLAR CONNECTING CABLE 3 M for WOLF / MARTIN BERCHTOLD/AESULAP

MODULAR BABCOCK FORCEPS

FORCEPS JAW INSERT Ø 5.5MM /MODULAR HANDLE /MODULAR SHEATH TUBE

MODULAR BABCOCK FORCEPS

FORCEPS JAW INSERT Ø 5.5MM /MODULAR HANDLE /MODULAR SHEATH TUBE

EXTRACORPOREAL KNOTPUSHER, Ø 5 MM

by Bueß, with distal notch and lateral opening for optimal knot pushing, extremely atraumatic tip for use as probe, WL 330 mm

STERILIZATION-TRAY

complete outer measures: 766x186x92, Inner measures: 700x120x75

Suction tube 5MM

Combine Suction-irrigation tube 5MM

Smoke evacuation filter

Veres Cannulas

TISSUE RETRACTOR

REDUCING SLEEVES

Multifunctional Suction Irrigation system

Laparoscopy retrieval bag

Suction irrigation reusable tubes PVC

1x FIBER LIGHT CABLE BNDL

1x DISSECTION FORCEPS MONO Ø 5.5MM BNDL

1x HANDLE AXIAL MONO

1x ROTATABLE WHEEL CONNECTOR

1x GRASPING FORCEPS BIPO Ø 5.5MM BNDL

1x SUCT./IRRIG. TUBE Ø 5.5MM WL 300MM

1x SUCTION-IRRIGATION HANDLE

1x SEALING CAP

1x SUCT./IRRIG.TUBE SET SPIKE L 3M

1x NEEDLE HOLDER Ø 5,5MM BNDL

1x HF CONNECTION CABLE MONO L 3M

1x HF CONNECTION CABLE BIPO L 3M

4K Camera Control Unit with built in recording system (QTY 01)

Camera system should be 4k UHD (MANDATORY)

UHD Resolution 3840 x 2160 Pixel for live display, progressive scan

Built in Recording system, storage of high-resolution images and

Videos on USB storage media

Intergraded special imaging modes for easier tissue differentiation

Aspect ratio 16: 9

Touch screen, remote control, USB 1TB

Special imaging modes

		<p>1 TB hard drive</p> <p><u>4K Camera Head Should be 4k (MANDATORY) (QTY 01)</u></p> <p>Progressive Scan, 50 Hz, with 2 freely programmable Camera Head buttons Each button with two functions Autoclavable</p> <p>3x1/3-inch CMOS image sensor</p> <p>Lens, C-mount 24mm</p> <p>Cable length 3.0 m <u>(QTY 01)</u></p> <p>Light sensitivity (max. gain) < 0,7 Lux</p> <p>Weight of camera head (without cable) min 130 g</p> <p><u>LED 4K (Qty 02)</u></p> <p>31-32" LCD 4K Flat Screen Monitor from same manufacture</p> <p>Resolution Max: 3840 x 2160</p> <p>Light intense, anti-glare for vibrant and high contrast images</p> <p>ARM For Monitor(Monitor should be ARM Mounted) (Qty 02)</p> <p><u>LED Light source (QTY 01)</u></p> <p>LED Light source 300 watts</p> <p>LED lamp life: 30,000 hours approximately</p> <p>Fiber light cable diameter 5.0 mm,TL 5M</p> <p><u>Trolley (QTY 01)</u></p> <p>Trolley should be same manufacture (MANDATORY)</p> <p>Mobile and integrated</p> <p><u>INSUFFLATOR 45 L/Min (QTY 01)</u></p> <p>High flow 45 HEAT</p> <p>6.5" Color display Touch Screen</p> <p>Touchscreen</p> <p>Max. flow rate 45 l / min</p> <p>CO2 gas heating function</p> <p>Insufflation tube, with heating element, High-Flow</p> <p>3m long, autoclavable</p> <p>hygiene filter, sterile pack of 10</p> <p><u>INSUFFLATOR High flow 45LTR EVAC+HEAT with complete Accessories and reusable tubing</u></p> <p><u>FLUID CONTROL SYSTEM FOR LAPAROSCOPY With complete accessories and reusable tubing (QTY 01)</u></p> <p>UPS 10Kva Local Supply <u>(QTY 01)</u></p> <p>NOTE: Similar values are acceptable</p>
08	Neonatal Cystoscope with accessories	<p><u>Cystoscope for Small children</u></p> <p>TELESCOPE 0° Ø 1.9MM WL 178MM rigid, TL 243mm, rod lens system (Qty 02)</p> <p>SHEATH FOR CYSTOSCOPE 7.5FR</p> <p>BIOPSY FORCEPS 3 FR. flexible</p> <p>Rigid grasping forcep 5fr</p> <p>CYSTOSCOPE ADAPTOR/BRIDGE</p> <p>COAG ELECTRODE MONO 4FR WL 400MM for cystoscopy, electrode shape: button, PACK=1 PC, reusable</p> <p>FLEX. BIOPSY FORCEPS 3FR WL 230MM double action, TL 380mm, non-dismantling, Reusable</p> <p>FOREIGN BODY FORCEPS, 3 FR. Flexible</p> <p>COAG ELECTRODE MONO 4FR WL 400MM for cystoscopy, electrode shape: button. PACK=1 PC, reusable</p> <p>BUTTON ELECTRODE 3 FR., HF MONOP</p> <p>HF CONNECTION CABLE MONO L 3M reusable</p> <p>NOTE: Similar values are acceptable</p>
09	Neonatal Resectoscope with accessories	<p>TELESCOPE 30° Ø 1.9MM WL 178MM rigid, TL 243mm, rod lens system (qty 02)</p> <p>SHEATH / OBTURATOR / LUER LOCK TUBE PART 9fr</p> <p>WORKING ELEMENT " passive cutting action for resectoscope with telescope 1.9 mm,</p>

		<p>for neonates and small children ATTACHMENT with 1 instrument port for resectoscope with telescope 1.9 mm for neonates and small children CUTTING ELECTRODE (qty 30) HOOK ELECTRODE 1,9 MM, HF MONOP (Qty 10) COAGULATING ELECTRODE (Qty 20) for resectoscope, telescope Ø 1.9mm, electrode shape: ball, PACK=1 PC, for E- Line resectoscope, unsterile, reusable HF CONNECTION CABLE MONO L 3M reusable Bladder Syring</p> <p>NOTE: Similar values are acceptable</p>
10	Flexible Pediatric Cystoscope with accessories	<p><u>Flexible Sensor Cystoscope (QTY 01)</u> SENSOR-CYSTOSCOPE 16.2FR WL 400MM LED-illumination, distal Sensor, o 210° deflection upward/downward for precise control and navigation o 7.5 Fr. large working channel for optimal irrigation o Atraumatic, 11.5 Fr. beveled distal tip for easy insertion and patient o 16.2 Fr. sheath Ø o Dual LED distally for superior illumination o Two programmable camera buttons capable of controlling up to four functions o Special Imaging Mode (SIM) compatible Endoimage: Octagonal, 3 step detail enhancement and 6-fold digital zoom, automatic white balance, light control and focus Working length: 400 mm Viewing angle: 110° LEAK TESTER FOR FLEX. ENDOSCOPES reusable PRESSURE EQUALIZATION VALVE reusable CLEANING BRUSH Ø 0.85MM TL 1200MM</p> <p>ADAPTER UNIVERSAL SEALING VALVE 1-6FR ADAPTER reusable FLEX. BIOPSY FORCEPS 5FR WL 550MM FLEX. GRASP. FORCEPS 5FR WL 550MM double action, TL 700mm, PERF. BASKET FOR FLEXIBLE ENDOSCOPES flexible endoscopes, for sterilization (steam and low-temperature), storage and transport, inner dimensions (wxhxd): 432x88x272mm, outer dimensions (wxhxd): 448x106x288mm</p> <p>NOTE: Similar values are acceptable</p>
11	Rigid Pediatric Ureteroscope with accessories	<p><u>URS FOR SMALL CHILDREN</u> <u>Size should 4.5fr or less (MANDATORY)</u> URETERORENOSCOPE 5° 4.5/6.5FR WL 430MM (Qty 02) semi-rigid, with lateral ocular lens, working channel 3Fr, atraumatic distal tip, TL 555mm, fiber image carrier</p> <p>FLEX. GRASP. FORCEPS 3FR WL 530MM fine-toothed, double action, TL 665mm,</p> <p>SEAL Ø 7.5MM silicone seal, yellow, for instruments 1-5mm, Length 2mm, reusable</p> <p>UNIVERSAL SEALING VALVE 1-6FR for introducing instruments from 1-6Fr, PACK=5</p> <p>FIBER LIGHT CABLE 3,5MM 2,3M SET</p>

		<p>STERI CONTAINER W 120MM L 700MM H 75MM complete outer measures:</p> <p>NOTE: Similar values are acceptable</p>
12	Rigid Pediatric Operation Ureteroscope with accessories	<p><u>Pediatric Ureteroscope With Laser for Lithotripsy and Endovision system</u> <u>Size should be 6fr or Less (MANDATORY)</u></p> <p>URETERORENOSCOPE 5° 6/7.5FR WL 430MM (qty 02) semi-rigid, with lateral ocular lens, working channel 1x4 (2x2.2)Fr, atraumatic distal tip, TL 599mm, fiber image carrier</p> <p>GRASPING FORCEPS BNDL GRASP. FORCEPS INSERT 4FR WL 550MM / HANDLE WITH OVERLOAD PROTECTION</p> <p>FLEX. BIOPSY FORCEPS 3-4FR WL 530MM double action, TL 665mm, non-dismantling, reusable</p> <p>FLEX. GRASP. FORCEPS 3-4FR WL 530MM fine-toothed, double action, TL 665mm, non-dismantling</p> <p>STONE BASKET DORMIA 4D 3.0FR</p> <p>FIBER LIGHT CABLE 2.5mm diameter</p> <p>STERI CONTAINER W 120MM L 700MM H 75MM</p> <p>Holmium Laser 35 watt 35-40 watt (MANDATORY)</p> <p style="padding-left: 40px;">Wavelength:2100 nm Holmium Average power: up to 35 W Energy per pulse: up to 5 J (Not less than 5J)(MANDATORY)</p> <p style="padding-left: 40px;">Repetition rate up to 30 Hz Pulse duration 50 – 1100 us Master PULSE: 7 pulse length modulations for each choice of Frequency and Energy. Vapor Tunnel and Virtual Basket included and by mode selection</p> <p style="padding-left: 40px;">Lithotripsy: Dusting High Frequency, Dusting vapor tunnel, pop corning, Fragmentation. Reclinable Display 10 inch or more Water cool system Tower Base Current consumption : < 32A Single phase Supply Local UPS 6Kv (important)</p> <p>Accessories: Laser Safety Goggles 02 set Fiber Striper (300-1000um) 01 set Fiber Striper (100-400um) 01 set</p> <p>Ceramic Cleaver</p> <p>Double Footswitch</p> <p>Consumables: Sterile 272um optical fiber (Reusable) 05 Sterile 365um optical fiber (Reusable) 05 Sterile 550um optical fiber (Reusable) 05</p>

		<p>Sterile 800um optical fiber (Reusable) 02 Sterile 1000um optical fiber (Reusable) 02 Water filters 05 Blast shield 05 Country of origin USA /EUROPE/ JAPAN <u>4K Camera Control Unit with built in recording system (QTY 01)</u> <u>CAMERA SYSTEM SHOULD BE 4K(UHD) (MANDATORY)</u> UHD Resolution 3840 x 2160 Pixel for live display, progressive scan Built in Recording system, storage of high-resolution images and Videos on USB storage media Intergraded special imaging modes for easier tissue differentiation Aspect ratio 16: 9 Touch screen, remote control, USB 1TB Special imaging modes 1 TB hard drive <u>4K Camera Head Should be 4k (MANDATORY) (QTY 01)</u> Progressive Scan, 50 Hz, with 2 freely programmable Camera Head buttons Each button with two functions Autoclavable 3x1/3-inch CMOS image sensor Lens, C-mount 24mm Cable length 3.0 m Light sensitivity (max. gain) < 0,7 Lux Weight of camera head (without cable) min 130 g <u>LED MONITOR 4K (4K OR UHD is mandatory) (QTY 01)</u> 31-32" LCD 4K Flat Screen Monitor from same manufacture Resolution Max: 3840 x 2160 Light intense, anti-glare for vibrant and high contrast images ARM For Monitor(Monitor should be ARM Mounted) (QTY 01) <u>LED Light source (QTY 01)</u> LED Light source 300 watts LED lamp life: 30,000 hours approximately Fiber light cable diameter 5.0 mm,TL 5M <u>Trolley (QTY 01)</u> <u>Should be from the same manufacturer (MANDATORY)</u> Mobile and integrated <u>UPS 10 KVA LOCAL SUPPLY (QTY 01)</u> NOTE: Similar values are acceptable</p>
13	Flexible Pediatric Uretrorenoscope with accessories	<p><u>DUAL CHANNEL SENSOR-URETERORENOSCOPE 9.9FR WL 680MM (MANDATORY) (QTY 01)</u> Articulation: 270° upward, 270° downward o Laser and irrigation channel 2.4 Fr. o Laser channel for fibers up to 365 µm o Large 3.6 Fr. working and irrigation channel for high level of irrigation o LED technology for homogeneous illumination o No separate light source and light cable necessary Working length: 680 mm Handle: integrated LED lighting, ergonomically contoured handle with axial camera cable Endoimage: Square, 6-fold digital zoom, automatic white balance,</p>

		<p>light control and focus LEAK TESTER FOR FLEX. ENDOSCOPES reusable PRESSURE EQUALIZATION VALVE reusable CLEANING BRUSH Ø 0.85MM TL 1200MM ADAPTER UNIVERSAL SEALING VALVE 1-6FR ADAPTER reusable FLEX. BIOPSY FORCEPS 5FR WL 550MM FLEX. GRASP. FORCEPS 5FR WL 550MM double action, TL 700mm, PERF. BASKET FOR FLEXIBLE ENDOSCOPES</p> <p>Holds: flexible endoscopes, for sterilization (steam and low-temperature), storage and transport, inner dimensions (wxhxd): 432x88x272mm, outer dimensions (wxhxd): 448x106x288mm</p> <p>Distal tip cylindrical, atraumatic, oblique distal stainless steel tip 5.2 Fr</p> <p>Sheath diameter 9.9 Fr Number of working channels 2 Biopsy forceps 3 Charr. / Fr. Foreign body forceps 3 Charr. / Fr. Button electrode 3 Charr. / Fr. Reusable laser fibres for kidney stones 30+ laser, packed singly, steril 272 µm Attachment with instrument insertion tap Sterile universal sealing valve (pack of 5) for inserting accessory instruments of 1 – 6 F Adapter for automatic leak test Cleaning set V with double luer lock tube connector Clamping element, orange (pack of 20)</p> <p>NOTE: Similar values are acceptable</p>
14	Flexible Pediatric Nephroscope with accessories	<p>TELESCOPE 4 mm, 12° angle of view, with oblique eyepiece, oval instrument channel for 2 mm auxiliary instruments and irrigation for miniature continuous irrigation OPERATION SHEATH 15 FR. round, with swivel irrigation connector, straight distal end, OBTURATOR FOR 15 FR. for Miniature-Nephroscope for 15 Fr. operation-sheath OPERATION SHEATH 18 FR. round, with swivel irrigation connector, straight distal end, OBTURATOR 18 FR. with central diameter, for use over a J-guide wire, for Miniature AMPLATZ-SHEATH 18 FR. for Miniature-Nephroscope, for use for the 15 Fr. DILATOR 12 FR for 15fr sheath DILATOR 15 FR for 18fr sheath Stone grasping forcep 2mm WL 265 mm 3 prong grasping forcep 2mm WL 365mm Grasping forcep with alligator jaws</p> <p>NOTE: Similar values are acceptable</p>

