

**Amendment No. 1****Sub: Amendment to the referred tender enquiry****Ref.: Tender Enquiry HITES/PCD/PMSSY-III/30/URLG/18-19 dated 10/04/2018**

The following changes are being incorporated in the above referred Tender Enquiry Document.

**Section VII  
Technical Specification****Schedule No. 01  
Pneumatic lithotripter ( Rfx number 3000002763)**

<b>Para</b>	<b>TENDER SPECIFICATION</b>	<b>READ AS</b>
2	<b>Digitally</b> controlled flow and pressure device generates highly accurate pulses in the form of single pulse operating mode and continuous pulse operating mode.	" Controlled flow and pressure device generates highly accurate pulses in the form of single pulse operating mode and continuous pulse operating mode"
3	It should be able to control power to the hand piece for better stone fragmentation.	" It should be able to control <b>pressure</b> to the hand piece for better stone fragmentation"
4	Design of master hand piece and <b>digitally</b> controlled flow should be in a way that provides minimum excursion and bilateral movement of the probe, so it gives safety to endoscope and avoid possible stone migrations.	" Design of master hand piece and controlled flow should be in a way that provides minimum excursion and bilateral movement of the probe, so it gives safety to endoscope and avoid possible stone migrations"
10	In Let Pressure (Minimum) (To Control Unit) 4 Kg /cm <sup>2</sup> & (Maximum) (To Control Unit) 6 Kg /cm <sup>2</sup> 12. Out Let Pressure: <b>0 - 5 Kg /cm<sup>2</sup></b>	"In Let Pressure (Minimum) (To Control Unit) 4 Kg /cm <sup>2</sup> & (Maximum) (To Control Unit) 6 Kg /cm <sup>2</sup> 12. Out Let Pressure: <b>0 - 3 Kg /cm<sup>2</sup></b> "
12	Control Unit (Made from rust free molded ABS plastic body), Hand Piece (Made from Aluminum Alloy, should be sealed and airtight), Probe (Made from S.S. Alloy)	" Control Unit ( <b>Rust free body</b> ), Hand Piece (Made from Aluminum Alloy, should be sealed and airtight), Probe (Made from S.S. Alloy)"
15	Lithobridge Probe: 1.5mm Length 450 – 460mm	" Blader Stone Probe: 1.5mm Length 450 – 460mm
BOQ (4)	Lithobridge Probe: 1.5mm Length 450 – 460mm 5 nos	Blader Stone Probe: 1.5mm Length 450 – 460mm - 5 nos

**Schedule No. 02**  
**ESWL ( Rfx number 300002764)**

Para	TENDER SPECIFICATION	READ AS
3.1.b	Triggering: Manual, Automatic & ECG gating.	Triggering: Manual and ECG gating.
3.1. g	The Shock wave Generator should be guaranteed for minimum of <b>two million</b> shockwaves	The <b>Shock wave Generator and coil</b> should be guaranteed for minimum of <b>1.5 million</b> shockwaves
3.3	Imaging System Ultrasound: High resolution ultrasound system Localization should be done through integrated Ultra-sound iso centric to the shock wave source with inline/outline transducer for best image quality	Imaging System Ultrasound: High resolution ultrasound system Localization should be done through integrated Ultra-sound iso <b>centric/linked</b> to the shock wave source with inline/outline transducer for best image quality
3.4. i	Fluoroscopy compatible motorized patient Table with Vertical, Longitudinal and lateral movements. Facility for tilt and Trendelenburg. Patient load capacity of app 150 Kg.	"Fluoroscopy compatible motorized patient Table with Vertical, Longitudinal and lateral movements. Patient load capacity of app 150 Kg"
3.4. ii	The table should be provided with accessories suitable for urological endoscopic procedures	Deleted
3.7. i	Controlling imaging, computerized stone localization, targeting and shockwave parameters	" Controlling imaging, stone localization, targeting and shockwave parameters"
Added para 6		Added Para: Suitable online UPS should be supplied with 1hrs backup approx. 15KVA capacity - 1 no
Added para BOQ (8)		Online UPS as per specification - 1 no

**Schedule No. 03**  
**Urodynamic System**

Para	TENDER SPECIFICATION	READ AS
9	Should have infusion volume upto 1000ml & software based calibration control and should have weight base infusion transducer.	"Should have infusion volume upto 1000ml & software based calibration control and <b>have the ability to show infusion volume</b> "
12	All in one PC computer Windows 10, i5 processor, at least 4 GB RAM, 1 TB HDD with color laser printer, should have facility for USB port	"All in one PC computer Windows <b>7 or more</b> , i5 processor, at least 4 GB RAM, 1 TB HDD with color laser printer, should have facility for USB port"

Para	TENDER SPECIFICATION	READ AS
13	Provision for recording live videos during the procedure of urodynamic study.	"Provision for recording live videos during the procedure of urodynamic study. <b>The system should have ability to show static images with corresponding Urodynamic Trace at that time point</b> "
21	Rectal Catheter 10 fr. -50 pcs.	Rectal Catheter <b>should be between 10-12 fr. -50 pcs.</b>

**Schedule No. 04**  
**PCNL set ( Rfx number 3000002766)**

Para	TENDER SPECIFICATION	READ AS
A	Nephroscope with forceps and accessories 25- 27 fr-1No	" Nephroscope with forceps and accessories <b>24-27 fr-1No</b> "
A.1	Wide-Angle straight forward viewing telescope 0 to 30 deg, with parallel/Angled eyepiece, autoclavable , with instrument channel and fiber optic light transmission incorporated.	Amended As "Wide-Angle straight forward viewing telescope <b>between</b> 0 to 30 deg, with parallel/Angled eyepiece, autoclavable , with instrument channel and fiber optic light transmission incorporated"
A.3	Scope should have large working channel 11 Fr or more	"Scope should have large working channel that admits instrument of <b>10 Fr or more</b>
A.4	Operating sheath of size 25 - 27Fr with automatic locking mechanism compatible with above telescope	"Operating sheath of size <b>24</b> - 27Fr with locking mechanism compatible with above telescope"
B	Nephroscope with forceps and accessories 22-24fr-One No	"Nephroscope with forceps and accessories <b>20-24fr-One Nos</b> "
B.1	Wide-Angle straight forward viewing telescope 0 to 30 deg , with parallel/angled eyepiece, autoclavable, with instrument channel and fiber optic light transmission incorporated.	"Wide-Angle straight forward viewing telescope <b>between</b> 0 to 30 deg , with parallel/angled eyepiece, autoclavable, with instrument channel and fiber optic light transmission incorporated.
B.4	Operating sheath of size 24-25Fr with automatic locking mechanism compatible with above telescope	"Operating sheath of size <b>20-24Fr</b> with locking mechanism compatible with above telescope"
C.2	Nephroscope should have an automatic pressure control system so that stones once broken up to size of 4mm should come out automatically when used with pressure irrigation.	Deleted
C.3	Working channel should accommodate instruments upto 5 Fr.	"Working channel should accommodate instruments <b>of 5 Fr or more</b> "
C.4	The angle of view should be 12 to 45 degree or	"The angle of view should be <b>12 degree or Less</b> "

Para	TENDER SPECIFICATION	READ AS
	more	
8.c	5 Fr scissor single action jaws should be supplied- 1 no	<b>Deleted</b>
E	Should be supplied with wire tray for storage and sterilization tray for sterilization for all PCNL set 26 Fr. 24Fr & 12 Fr.	"Should be supplied with wire tray for storage and sterilization tray for sterilization for all PCNL set 26 Fr. 24Fr & 12 Fr( <b>One Each</b> )"
F	Pressurized injector gun (air and water injection) for cleaning of channels of endoscopic instruments - 1 no	<b>Deleted</b>
		<b>Added Para</b>
		<b>BOQ</b>
		1. Nephroscope with forceps and accessories 24-27 fr as per spec - 1 no
		2. Nephroscope with forceps and accessories 20-24fr as per spec - 1no
		3. Nephroscope with forceps and accessories 12fr as per spec- 01 No.
		4. Alken dilator set - 2 nos
		5. Wire tray for storage and sterilization tray for sterilization for all PCNL set - 1 each

**Schedule No. 05**  
**Holmium Laser 100W ( Rfx number 3000002767)**

Para	TENDER SPECIFICATION	READ AS
6	It should have power output of 100watts or more	It should have power output of 100watts or more <b>being delivered through multiple generator</b>
7	It should be supplied with foot pedal	It should be supplied with <b>twin/double</b> foot pedal
8	It should have repetition rate of 5-30Hz or more	It should have repetition rate of <b>5-50Hz</b> or more
9	It should have Energy per Pulse of 0.5 Joules or less - 4.5 Joules or more	It should have Energy per Pulse of 0.5 Joules or less - <b>3.5 Joules</b> or more
13	It should have a closed loop cooling system.	It should have effective cooling system.
		<b>Added Para:</b> Suitable online UPS should be supplied with 1hrs backup approx. 15KVA capacity"
		<b>BOQ</b>
		1. Holmium Laser 100W as per specification - 1 no
		2. 550 Micron Reusable, Flexible Fiber - 10 Nos
		3. 365 Micron Reusable, Flexible Fiber - 10 Nos

Para	TENDER SPECIFICATION	READ AS
		4. Less than 300 micron Reusable, Flexible Fiber - 10 Nos
		5. 550-600 Micron Side Fire Fiber for Ablation- 10 Nos
		6. 550 Micron Stripping and cleaving (set)- 1 set
		7. 365 Micron Stripping and cleaving (set) - 1 set
		8. Less than 300 Micron Stripping and cleaving (set) - 1 set
		9. Fibre Inspection Scope - 1 No
		10. Ceramic Scissors - 1 No
		11. Laser Safety Goggles - 2 Nos
		12. Laser Safety Glasses - 3 Nos
		13. Online UPS - 1 No

**Schedule No. 06**  
**TISSUE MORCELLATOR ( Rfx number 3000002768)**

Para	TENDER SPECIFICATION	READ AS
B. 3	One suitable Hand Piece	Deleted
B.7	It should have integrated tissue collection disposable kit. (50 No.s)	"It should have integrated tissue collection disposable kit. <b>(20 No.s)</b> "
B.8	One package each of 3 long cleaning brushes, 3 short cleaning brushes, and 3 endoscope adaptors.	" 3 long cleaning brushes, 3 short cleaning brushes, and 3 endoscope adaptors as standard"
B.10	4mm 30 degree telescope, autoclavable– 1	" 4mm 30 degree <b>HD</b> telescope, autoclavable– 1 "
B.11	Cystoscope sheath – 22Fr - 1	" Cystoscope sheath between: <b>21 -22Fr</b> - 1
B.12	Outer sheath and inner sheath 26-26.5 Fr – 1	" Outer sheath( <b>26-26.5 Fr</b> ) and inner sheath – <b>1 each</b> "
		<b>Added Para:</b> Equipment should be European CE or USFDA or BIS certified for the quoted model
		<b>Added Para : BOQ</b>
		1. Tissue Morcellator as per specification - 1 No
		2. Laser Resectoscope Set as per specification - 1 set

**Schedule No. 07**  
**Flexible Ureteroscope( Rfx number 300002769)**

Para	TENDER SPECIFICATION	READ AS
A.1	Outer diameter –at tip – 6-8 Fr	Outer diameter –at tip <b>4.9-8.5 FR</b>
A. 3	It should adhere to sterilization method with ETO, FO gas, Steris & Starred.	It should adhere to sterilization method with ETO, FO gas and Steris
A.4	Working length 660-700 mm	Working length <b>650-700 mm</b>
A. 5	Upward tip deflection 270 <sup>0</sup> Downward tip deflection 270 <sup>0</sup>	Upward tip deflection 270 <sup>0</sup> Downward tip deflection 270 <b>deg or more</b>

**Schedule No. 08**  
**Uretero - renoscope - Paediatric**

Para	TENDER SPECIFICATION	READ AS
2	Integrated fibre optic semi rigid ureteroenoscope for using in pediatrics upper urinary tract endoscopic surgery.	Integrated fibre optic ureteroenoscope for using in pediatrics upper urinary tract endoscopic surgery
3.2	Appropriate formalin chamber.	Autoclable Chamber/Tray of suitable size
4.2	URS alligator forceps (largest compatible with ureteroscope) – 2nos.	URS alligator forceps (largest compatible with ureteroscope) – 2nos. (should be European CE or USFDA or BIS approved, can be from the other manufacturer)
4.3	URS tripronge forceps (largest compatible with ureteroscope) – 4nos. (Can be from other manufacturer)	URS tripronge forceps (largest compatible with ureteroscope) – 4nos. (Can be from other manufacturer)(should be European CE or USFDA or BIS approved, can be from the other manufacturer)
4.5	All consumables required for installation and standardization of system to be given free of cost.	All adapters required for smooth functioning of system to be supplied as standard

**Schedule No. 09**  
**URETEROSCOPE - ADULT ( Rfx number 300002771)**

Para	TENDER SPECIFICATION	READ AS
2	Operational Requirements Integrated fibre optic semi rigid ureteroenoscope for using in adult and pediatrics upper urinary tract endoscopic surgery.	Operational Requirements Integrated fibre optic ureteroenoscope for using in adult and pediatrics upper urinary tract endoscopic surgery

Para	TENDER SPECIFICATION	READ AS
3.2	Long Arm (Working Length – 430 mm or more) Autoclave with offset Eyepiece, Distal sheath tip 8Fr-9Fr. Atraumatic Viewing angle 5 -10 degree with laterally placed eyepiece. - 1 no. Channel size 5 fr or more	Long Arm (Working Length – 430 mm or more) Autoclave with offset Eyepiece, Distal sheath tip <b>7.5-9Fr</b> . Atraumatic Viewing angle 5 -10 degree with laterally placed eyepiece. - 1 no. Channel size 5 fr or more
3.3	Appropriate formalin chamber.	Autoclable Chamber/Tray of suitable size
4.2	URS alligator forceps (largest compatible with each ureteroscope) – 2nos. for each ureteroscope	URS alligator forceps (largest compatible with each ureteroscope) – 2nos. for each ureteroscope (should be European CE or USFDA or BIS approved, can be from the other manufacturer)
4.3	URS tripronge forceps (largest compatible with each ureteroscope) – 2nos. for each ureteroscope	URS tripronge forceps (largest compatible with each ureteroscope) – 2nos. for each ureteroscope (should be European CE or USFDA or BIS approved, can be from the other manufacturer)
4.6	All consumables required for installation and standardization of system to be given free of cost.	All adapters required for smooth functioning of system to be supplied as standard

**Schedule No. 10**

**Cystoscope & Resectoscope – Peadiatric ( Rfx number 300002772)**

Para	TENDER SPECIFICATION	READ AS
<b>I</b>	<b>Cystourethroscope for Neonates</b>	<b>Deleted (Full Specification of Neonates)</b>
A)	<b>Telescopes:</b>	
1	Telescope ( one each ) Autoclavable 134 ° C / 273°F with enlarged image & brightness size 1.2-1.9 mm, 0° Length 20 cm- 01No.	
2	Telescope (one each) Autoclavable 134 °C, 273oF With enlarged image and brightness, size 1.2 - 1.9 mm, 25° or 30°,Length 20 cm - 01No	
B)	<b>Sheath with obturator with fixed irrigation channel with stop cock</b>	
1	Size 7-8 Fr. ( one each) for diagnostic use compatible with 0 ° telescope	
2	Size 8-9 Fr. (one each) with instrument port capacity 3Fr.	
3	Size 9-10 Fr. (one each) with instrument port capacity 5Fr.	
C).	<b>Electrode : ( three each)</b>	

Para	TENDER SPECIFICATION	READ AS	
1	Button electrode, flexible , unipolar , 530 mm length and 3 Fr. Size		
2	Button electrode, flexible , unipolar , 530 mm length and 5 Fr. Size		
II	<b>Resectoscope - for Neonates</b>	<b>Deleted (Full Specification of Neonates)</b>	
A.	Sheath with obturator with fixed irrigation channel with stopcock with distal end insulated Size 9 Fr. (one each) with instrument port capacity 3Fr.		
B.	Working element (bridge) with spring controlled thumb support and with monopolar cable attachment port and one port for telescope and one slot for working element- 01 Nos.		
C.	1.9 mm 0 ° telescope to match the Resectoscope and working element		
	1.9 mm 30 ° telescope to match the Resectoscope and working element		
	Accessories:		
d).	<u>Electrodes</u>		
1	Set of 6 hook electrodes – 2 Nos		
2	<b>Cold Knife – set of 6 knife – 1 Nos Urethrotome sheath 8-10Fr - 1 no</b>		
e).	<u>Forceps</u>		
1)	Rigid/flexible grasping forceps: for Stent Removal Length 25-30 cm, size – 3Fr. (one)		
2)	Rigid/flexible grasping forceps: for Stent Removal Length not 25-30 cm, size – 5Fr. (one)		
3)	Biopsy forceps:		
	Flexible forceps: Length not <25 mm, size 3 Fr. (one)		
	Flexible forceps: Length not <25 mm, size 5 Fr.		
3.B2	Size 13 Fr. -WITH TWO INSTRUMENT PORT		Size 13 Fr. -WITH INSTRUMENT PORT
4.A	Sheath with obturator with fixed irrigation channel with stopcock with distal end insulated Size 11-13 Fr. with instrument port capacity 5 Fr - 1 No		Sheath with obturator with fixed irrigation channel with stopcock with distal end insulated Size 11-13 Fr - 1 no
			<b>Added para:</b> Compatible HF Cord - 02Nos should be supplied as standard



**Schedule No. 11**  
**General Surgery Instrument sets for Urology -Low End**

Para	TENDER SPECIFICATION	READ AS
	General Surgery Instrument sets for Urology -Low End	General Surgery Instrument sets for Urology
		<b>Added Para:</b> The all instuments mentioned should be quoted and the 80% must be from the same manufacturer and 20% may from 3rd party but the responsibilty of the warranty will be of the bidder and all instuments should be as per quality standard asked in the tender

**Schedule No. 12**  
**Uroflowmetry**

Para	TENDER SPECIFICATION	READ AS
3	The Uroflowmetry sensor should be wired to the main unit. The sensor should also be operable by wireless Bluetooth mode.	The Uroflowmetry sensor should be <b>wired/Wireless</b> to the main unit. The sensor should also be operable by wireless Bluetooth mode.
8	Beakers for Uroflow -5 Nos, Rechargeable Batteries. -8 Nos, Charger for Rechargeable Batteries. -2Nos. Should be supplied	Beakers for Uroflow -5 Nos, Rechargeable Batteries <b>2set for each (Uroflo &amp; Blader scan)</b> , Charger for Rechargeable Batteries <b>1set for each (Uroflo &amp; Blader scan)</b> . Should be supplied as standard
9	<b>Bladder Scanner – 1 units</b>	Bladder Scanner(3D) – 1 units
BOQ (3)	Rechargeable Batteries 8 Nos	Rechargeable Batteries 2set for each (Uroflo & Blader scan)
BOQ (4)	Charger for Rechargeable Batteries 2 Nos	Charger for Rechargeable Batteries 1set for each (Uroflo & Blader scan)
BOQ (5)	Bladder Scanner 1Nos	Bladder Scanner(3D) – 1 units

**Schedule No. 13**  
**OT Table- Urology (Rfx number 3000002775)**

Para	TENDER SPECIFICATION	READ AS
	Multipurpose electro hydraulic with manual override/electromechanical with electrical override/ powered with powered override mobile Table with divided leg section suitable for all major surgical procedures complete with 5cm mattress and corded handset	Multipurpose <b>electro hydraulic /electromechanical / powered mobile Table</b> with divided leg section suitable for all major surgical procedures complete with 5cm mattress and corded handset
<b>A.3</b>	Removable head and leg sections to suit different applications.	Removable <b>and Interchangeable</b> head/ leg sections to suit different applications
A. 10	Table should have a narrow and eccentric base allowing optimum access and greater stability.	Table should have a narrow base allowing optimum access and greater stability
B.1	Special-design, maintenance-free rechargeable batteries with capacity for about a week"s use in the operating room.	Special-design, maintenance-free rechargeable batteries with capacity for about <b>a day</b> use in the operating room
C.6	Trendelenburg at least 25° deg.	Trendelenburg at least 30° deg or more
C.7	Reverse Trendelenburg at least 25° deg.	Reverse Trendelenburg at least 30° deg or more
C.12	Cranial & caudal traversing: atleast 200mm.	Longitudinal Slide: atleast 300 mm
C.13	Maximum patient weight : 350 kg or more at centered column and 225 kg in all articulations	Maximum patient weight : <b>400 kg or more</b> at centered column and <b>250 kg or more</b> in all articulations

**All other contents of the tender enquiry including terms & conditions remain unaltered.**

**Note:**

- i. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids**