



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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**SUPPLY AND COMMISSIONING OF HOLMIUM LASER FOR THE DEPARTMENT OF UROLOGY AT
MEDICAL COLLEGE & HOSPITAL, KOLKATA.**
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-693/2023

Dated -14.12.2023

Amendment-I

Revised Technical Specifications

Sl No.	Technical Specification Of Holmium Laser 100 Watts
A	Electrical characteristics
1	It should be useable with single phase 200-240 VAC 50/60Hz, <32 Amp's Power Supply
2	The protection against over-voltage and over-current line conditions.
B	Structural & operational characteristics
1	Laser Urology Platform should be capable to perform stone dusting, vaporization & enucleation of the Prostate, Flexible Ureterorenoscopic Lithotripsy and PCNL
2	It should be able to Enucleate & vaporize any adenoma tissue in BPH treatment of any size
3	It should be able to fragment calculi of any size in the bladder, ureter or kidney and any impacted stone fragment
4	It should be able to ablate superficial bladder, urethral & ureteral tumors
5	It should be able to treat bladder carcinoma, upper TCC & condylomas and lesions of the external genitalia
6	Stone dusting and embedded homeostasis capabilities should be available

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7	It should have power output of 100 watts delivered through 3 or more Laser generator with an ability to continue to complete the surgery (HOLEP) using the system with a reduced power capability in instances where there is a technical limitation of the current environmental conditions are not optimal. The bidder should give under taking regarding this ability of the machine.
8	It should be supplied with a Foot switch with Two-Dual foot pedals with an ability to switch between Ready and Stand-By modes by using a Foot Pedal dedicated button. Foot pedals should be used for Cut /coag and Fragmentation/Dusting of Stones and additionally it must have the facility to switch between two different system settings.
9	It should be able to do pulse reshaping i.e., long pulse and Short Pulse to address bleeders and minimize retropulsion.
10	The wavelength of the laser system should be at least 2.1 um.
11	The maximum optical power of the system must be at least 100W.
12	The system should have a repetition rate of 5 to 50 Hz or more and the pulse energy should be between 0.2 - 3.5 or more Joules having energy intervals of 0.3 or less Joules in the different power steps
13	Aiming beam of the system should be Green with 3 or more intensity settings and blinking mode.
14	It should have a Touch Screen Color Display and should have minimum rotation of 250 Degrees.
15	It should have a closed loop, self-contained water to air exchanger cooling system.
16	200-micron should be able to support minimum of 12 watts and maximum 45 watts of Power for good fragmentation and dusting of stone.
17	200-micron fiber should be able to support long pulse also.
18	The system should support 244 Power settings on short pulse and 137 Power settings on long pulse.
19	The Fiber Should be able to bend up to 6mm in diameter to provide easy access to difficult-to-reach areas.
20	The company should have more than 15 installations in India of which 5 installations must be in the Government Hospitals for 100W Machine or more.
21	<p>It should be supplied with following accessories:</p> <ul style="list-style-type: none"> • 550 Micron Reusable, Flexible Fiber 10 • 365 Micron Reusable, Flexible Fiber 10 • 200-micron Reusable, Flexible Fiber 10 • 550 Micron Stripping and cleaving (set) 1 • 365 Micron Stripping and cleaving (set) 1 • 200 Micron Stripping and cleaving (set) 1 • Fiber Inspection Scope 1 • Scissors/cutter 2
22	<p>The Tissue Morcellator should provide rapid endoscopic removal of soft tissue and should be of same Make as of the main machine and should have following.</p> <p>Tissue Morcellator should include:</p> <p>Tissue Morcelloscope should be wide angle straight forward telescope 6 degree with parallel eye pieces, autoclavable with lear lock connection for inflow with fiber optic light transmission incorporated in instrument channel. The working length should be</p>

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	<p>at least 25 cm. It should be compatible to 26 fr outer sheath of resectroscope sheath (which is used with TURP set).It should be provided with any connector / adaptor for using the sheath with Morcelloscope. It must be from a reputed company.</p> <p>One control box One hand piece Blade sets: Blade should be reusable – 10 Nos Outer Blade – Outer Dia 0.47cm/length 39.5cm) The Blade should be reciprocating/rotating type Inner Blade – Outer Dia 0.39cm/ Length 51.25cm Two pieces of sterile tubing, One sterilization tray One package each of 3 long cleaning brushes, 3 short cleaning brushes, and 3 endoscope adaptors.</p>
D	Standards
1	All the equipment should be USFDA/ European CE (with 4 digit notified body number)/CDSCO/BIS approved.
2	All the equipment including morcellator and accessories should be from same manufacturer/principal company.
3	Principal company should have their own/authorized service center running with adequate certified trained engineers in India.
4	At least 10 kVA online UPS with 30 minutes battery backup must be supplied along with Laser Machine.