

NATIONAL CENTRE FOR AGEING
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
NEW DELHI – 29

Dated: 08th September, 2025

F.No. 01/NCA/2025-26/PAC

Subject: Proposal for procurement of Holmium Laser machine - 01 Unit for National Centre for Ageing, AIIMS, New Delhi-110029 on PAC basis and invitation of comments/objections against such consumables if any - thereof.


National Centre for Ageing is in the process of procuring of Holmium Laser machine - 01No." for Dept. of Urology at National Centre for Ageing, AIIMS, New Delhi.

Therefore, this document is being uploaded for open information to all principal manufacturers or their authorized distributor with the intention to invite comments and/or objections with regards to the proprietary nature of the aforesaid product if any.

The comments/objections if any should be received through email on hemant@aiims.gov.in on or before 07/10/2025 up to 04 PM with contact details, failing which it will be presumed that no other bidder/manufacture/vendor is having any comments/objection against the proposition and the case will be decided purely on merit.

The subject of email should be **"Procurement of Holmium Laser machine - 01 Unit for National Centre for Ageing, AIIMS, New Delhi-110029 on PAC basis – submission of objections thereof"**

This issued with approval of the Competent Authority.


Assistant Stores Officer
National Centre for Ageing,
AIIMS, New Delhi

08/09/2025

Enclosures:

- PAC duly signed by the User Dept.
- Specification duly signed by User Dept.
- Proprietary Article Certificate from Principal Firm.

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NEW DELHI-110029**

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

1.	Item/Type Model Number required along with specification.	Holmium Laser Machine Make: Lumenis Ltd. Model: Lumenis Pulse 120H Holmium Laser System with MOSES TM Technology
2.	Is the item a spare part attachment or accessory for an existing equipment.	No
3.	Name of the manufacturer/supplier of the item proposed by the indenter.	M/s Boston Scientific
4.	Are the sole manufacturer/sole distributors of the item?	Yes
5.	Is there any other item with similar/equipment specifications available in the market to meet the job requirement envisaged. If the answer is yes, why the same can't be procured.	No. It is specific equipment/technology which does not available with any other manufacturer/supplier.
6.	What were the efforts made to locate alternative source of supply or use other substitutes.	Internet search, enquiry from other firms/supplier available in the market of respective field.
7.	Why open/limited tender can't be resorted to, for locating alternative source.	This is specific requirement for better patient care services. As required product is not available with any other manufacturer/supplier, the open/limited tender may not be fruitful and waste of time only.
8.	Are the proprietary items certifying that the rates are reasonable or not.	Being PAC item, effort may be made to find reasonability of rates & may be negotiated by TSEC committee.
9.	Any other justification for procuring item for single source.	To ensure better patient care service.

It is certified that the item at Sr. No.1 above is required to be procured on PAC basis as the source of supply is definitely known which is meeting with functional requirement of department and limited tender system could be dispensed with as they would serve no useful purpose in the particular case.

Signature of TSEC with Name, Designation, Department and Hospital/Institute/DGHS

##Note 1: TSEC should clearly mention the vital functional parameters requirements which end user essentially require and are manufactured by only one manufacturer mentioned in serial no. (i).

TECHNICAL SPECIFICATION OF HOLMIUM LASERS 120 WATTS :

A Electrical characteristics

It should be useable with single phase 200-240 VAC 50/60Hz, <46 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.

7 It should have a Touch Screen Color Display and should rotate 360 Degrees

8 There should be provision with integrated technology in the machine that reduces retropulsion which minimizes migration of the stone providing better control for the user

9 The system should provide desired effect even in non-contact mode. i.e., laser fiber firing at certain distance from target

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 120W.

12 The system should have a repetition rate of 5-80 Hz and the pulse energy should be between 0.2 and 6 J having energy intervals of 0.1 Joules.

13 Aiming beam of the system should be Green with 3 intensity settings and blinking mode.

14 The pulse width should be adjustable- Long Pulse, Short Pulse and Medium Pulse

15 200 micron should be able to support maximum of 45 watts of Power for good fragmentation and Dusting of stone.

16 200 micron fiber should be able to support Long pulse also.

17 The system should support 244 Power settings on short pulse and 137 Power settings on Long pulse.

18 Capacity to identify the Fibre, number of times used and energy consumption to enhance system life span and optimal use of Fibre and Voice confirmation indicating system's operational status should be available in the quoted system.

19 The system should be able to support ball tip fiber to prevent the damage to internal lumen of the flexible Ureterorenoscope during RIRS and minimize scope deflection loss.

20 Anti- Retropulsion feature should not be limited to specific fiber or power setting.

21 The 200 micron fiber should be able to withstand 100KJ to provide enhanced durability during lithotripsy

22 The Fiber Should be able to bend up to 6mm in diameter to provide easy access to difficult-to-reach areas.

23 The fiber should Supports pulse modulation to maximize energy transmission of up to 2J & 80Hz of frequency.

24 It should provide up to X2.6 greater ablation volume for both dusting and fragmentation regimes when compared to conventional holmium laser.

25 It should also result in 20% faster procedure time and 25% shorter fragmentation time when compared to conventional holmium laser.

26 It should be supplied with a Foot switch with Two-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.

27 It should have power output of 120 watts delivered through Four Laser generator with an ability to continue using the system with a reduced power capability in instances where there is a technical limitation of the current environmental conditions are not optimal.

28 It should have at least 4 Generators so that in case of any one generator fails, the system should go into a case saver mode so that doctor can continue with the procedure.

29 It should have a closed loop, self-contained water to air exchanger cooling system

C Accessories

The following accessories should be supplied

1 550 Micron Reusable, Flexible Fiber - 2

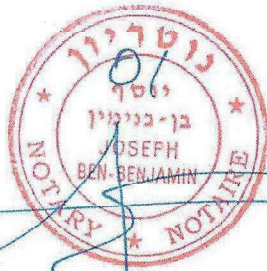
2 365 Micron Reusable, Flexible Fiber - 2

3 200 micron Reusable, Flexible Fiber - 2

[Handwritten signatures and initials on the right margin]

4	550 Micron Moses, Flexible Fiber – 2
5	365 Micron Moses, Flexible Fiber – 2
6	200 micron Moses, Flexible Fiber – 2
7	Customized Dual pedal foot switch-1
8	550 Micron Stripping and cleaving (set) - 1
9	365 Micron Stripping and cleaving (set) - 1
10	200 Micron Stripping and cleaving (set) - 1
11	Fiber Inspection Scope – 1
12	Cutting scissors – 1
13	Laser Safety Goggles – 3
14	<p>Should be supplied with compatible morcellator. 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> <ul style="list-style-type: none"> • One control box • One hand piece • Two blade sets: Should be reusable • Outer Blade – Outer Dia 0.47cm/length 39.5cm) The Blade should be reciprocating type • Inner Blade – Outer Dia 0.39cm/ Length 51.25cm • One piece of sterile tubing, • One sterilization tray • One package each of 3 long cleaning brushes, 3 short cleaning brushes, and 3 endoscope adaptors.
D Standards	
1	Laser Machine should be USFDA and European CE (with 4 digit notified body number) approved.
2	All the equipment and accessories should be from same manufacturer/principal company.
3	Principal company should have their own service center running with certified trained engineers without any third-party arrangements in India.
4	Compatible online UPS must be supplied along with Laser Machine.

Boston Scientific
Advancing science for life™



Lumenis Ltd.

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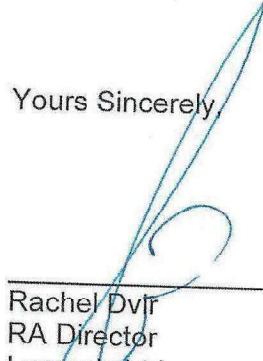
Date-29-July-2024

TO WHOMSOEVER IT MAY CONCERN

PROPRIETARY ARTICLE CERTIFICATE

We hereby certify that M/s Lumenis Ltd., Yokneam Industrial Park, Hakidma Street, 6 P.O.B. 240, Yokneam 2069204, Israel is the proprietary legal manufacturer of the **Lumenis Pulse 120H Holmium Laser System** and distribution and after sales service is support solely by Boston Scientific Corporation.

Yours Sincerely,



Rachel Dvir
RA Director
Lumenis Ltd.











