GOVERNMENT MEDICAL COLLEGE & HOSPITAL, SECTOR-32, CHANDIGARH
DEPARTMENT OF ENT

(Notice for procurement of CO2 Laser Machine being Proprietary Article under rule 166 of GFR, 2017.)

The Department of ENT of this institution intends to purchase CO2 Laser Machine (specifications attached).

As per knowledge of ENT department, above said article/equipment with these specifications is only manufactured by M/s Lumenis Ltd., authorized distributor M/s AeroMed International, Plot No. 347, first floor backside Industrial Area, Phase I, Chandigarh-160002, India. The proprietary certificate issued by the OEM is attached as Annexure-I.

In case, there is any other, OEM for the above said article, then they are requested to submit their proposal to the Director Principal, GMCH, Chandigarh through e-mail dpgmch-chd@gmch.gov.in/ hard copy latest by 06.03.2020 failing which it will be presumed that there is no other firm who manufacture the required article/ equipment and purchase will be processed and finalized from the available source.

(Dr. Surinder K. Singhal)
Assoc. Professor & Head

(Dr. Nitin Gupta)
Member

(Dr. Shashikant A. Pol)
Member

Purchase of CO_2 laser under buy back option

Sr. No.	Description of Item
1.	**CO_2 laser System**
	Laser system should be a carbon dioxide laser with a wavelength 10.60 micro meters, infrared
	Laser machine should have power output 1-40 watts.
	It should have 5mw red diode aiming beam,635nm, adjustable intensity
	The beam delivery should be through (both 1 & 2) 1) a 7-joint, fixed mirror, spring balanced arm, the reach of the arm should be at least 120 cm with 360 deg rotation. 2) a light weight carbon dioxide glass hollow fiber. Co2 fiber should be 2 meter long, 1.04mm outside diameter, sterile, single / multiple use, 2.0 meter long.
	It should be equipped with one touch tab/switch to choose either wave guide or articulated arm modality without changing any part.
	Spot size: 295µm at fiber output. Up to 40 watt
	It should be microprocessor based.
	It should have a sealed co2 laser tube.
	It should have continuous, single pulse and repeat pulse tissue exposure modes.
	It should have continuous power (cw) of 01 – 40 watts
	It should have a super pulse power of 0.5 – 15 watts.
	It should have a timed exposure of following durations: 1) on time (single pulse) – 0.05 – 1.0 sec. At 1.0 to 4.5 watts - 0.01- 1.0 sec at 5-40 watts 2) on time (repeat pulse) – 0.05 – 1.0 sec at 1- 4.5 watts - 0.01 – 1.0 sec at 5-40 watts
	It should have a repeat delay, off time, 0.01 to 1.0 sec.
	It should have at least 100 user defined memory settings.
	It should have a 0.2mm focused hand piece.
	It should have at least two bacterial filters.
	It should have three laser safety glasses.
	It should have a self contained closed loop cooling system.
	It should have a multi –colour touch screen panel
	It should be equipped with integrated animated accessories videos demonstrating how to set up it before starting application/surgery.
	It should have a user friendly graphic display to provide step by step operating instructions.
	It should be compatible with 230v, 3a, 50hz power supply
2.	**MICROMANUPLATOR WITH FOLLOWING REQUIREMENTS FOR MICROLARYNGEAL LASER SURGERY:**
	It should have an optical design to assure perfect co-incidence of the diode and co2 beams even at highest microsurgical magnifications.
	It should be easily adjustable and should have variable working distance from 200mm to 400 mm.

	It should have continuously variable defocus with a user adjustable defocus limiter.
	Its joystick handle should be tension adjustable and autoclavable.
	It should be user selectable for left or right hand controls.
	It should be lightweight, to maintain balance of the surgical microscope
	It should have a minimum spot size of 160 microns.
	It should have a focus range of 0.16 mm – 0.27 mm.
	It should have maximum defocus range of 2.8 mm– 4.6 mm.
	It should have a robotic laser microsurgery system with following requirements: • It should have beam scan shape: linear & curved incisions: • 0.3mm to 5.0 mm in length (user defined), 0.7 mm to 3 mm for papillomatosis • It should have a penetration depth of 0.2 mm to 2mm. (user defined)
3.	IT SHOULD HAVE ORAL, PHARYNGEAL, OTOLOGY AND NASAL HAND PIECE SET FOR ORAL, PHARYNGEAL AND NASAL APPLICATIONS WHICH SHOULD INCLUDE
	• 230 mm hand piece unit (CVD optical unit, ports holder, M conical main extender, extra conical maun extender, • Backstop extender – 3 nos, • tip extender – 3 nos, • straight tip, • kamami nasal tip – 3 nos, • kamami tonsil tip – 3 nos, • 90 degree angled mirror tip extender, • Cleaning brush, • Tygon tube(8mm id,1.5m long
4.	It should have otology hand pieces for extending laser precision to the delivery site. It should have small shaft both angled and straight hand pieces (preferably autoclavable).
5.	**Fiber accessories**
	• Reusable CO_2 fiber- 01 nos • Rigid hand piece kit at least 8 rigid hand pieces: o 60 mm straight tip, o 60 mm curved tip, o 140 mm, straight o 140 mm curved tip o 180 mm straight tip, o 180 mm curved tip o 240 mm straight tip. o 240 mm curved tip • Endoscope protection sheath – 2 nos length: 640 mm, OD: 1.7 mm • Hand piece bending tool • Hand piece cleaning kit: includes 3 cleaning brushes and 20 extra silicone tube for handpieces • Bending and cutting tools to reuse fiber • Sterilization tray for fibers
6.	**Smoke evacuator**
	• compatible with the laser machine, • imported quality-include smoke evacuation unit with pneumatic footswitch, • vi 6 filter-6 hour double port 7/8" and 1-1/4",7/8" tubing with wand and tip-2 nos, • 5ml of 50-Laser mask 0.1mm filtration media(flat mask)
7.	**UPS:** Minimum of 3KVA or more for the whole system

8.	**Power Supply:** 220V, 50hz
9.	**Terms & Conditions**
	• The firm will have to demonstrate the equipment in India / GMCH at their own cost before opening the price bid. • Firms should give back to back assurance for supplying OEM and spares for minimum 10 years. • During non-functional / repair of the equipment, the firm shall provide standby equipment with 99% uptime guarantee. Failing which a penalty of Rs.10,000/- per week will be imposed. • Price of all required accessories and disposable should be quoted in price bid for future use. • The company should separately quote the price for old CO_2 Laser for buyback. • Company should have a direct service centre in India. • The prices of accessories and consumables to be frozen for a period of 10 years installation. • Warranty should be 5 years from the date of installation. • CAMC should be of 5 years after the expiry of warranty. • Laser system should have US FDA/CE European / BIS Certification.

These specifications are not tailored made.

PROPRIETARY ARTICLE CERTIFICATE UNDER GFR 166

(i) The indenting goods are manufactured by M/s. Lumenis Ltd., authorized distributor M/s AeroMed International, Plot No. 347, first floor backside Industrial Area, Phase-I, Chandigarh-160002, India.

(ii) It is knowledge of user department that only a particular firm M/s. Lumenis Ltd., is the manufacture of the required goods having the technical specification attach with the Indent Performa.

(iii) No other make of model is acceptable for the following reasons:

1) Compatibility with the equipment

(iv) Concurrence of finance wing to the proposal vide:

v) Approval of the competent authority (Yes) vide:

approved Indent proforma on dated 04.11.2019.

14/2/2022

(Dr. Surinder K. singhal)
Assoc. Professor & Head