



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited

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**Procurement of a Laser Machine for Department of Dermatology at School of Tropical
Medicine, Kolkata**

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-743/2024

Dated-18.12.2024

2nd call of bid reference no. WBMSCL/NIT-398/2024, Dated-02.07.2024

Amendment-II

Revised Technical Specification

Laser Machine

1. Type of LASER - Q switch Nd: YAG LASER

1. The system should have hand pieces and LASER based hand pieces (Three Different Types)
2. LASER with inbuilt cooling.
3. The maximum spot size for Q switch Nd YAG LASER should be up to 10mm
4. It should have a fractional 5x5 mm tip for Q switched LASER
5. Collimate hand piece up to 10 mm
6. The long pulse Nd: YAG hand piece should come with a 10mm spot size
7. Repetition rate single shot: 1- 4 Hz. pulses / sec

2. Type of LASER: Diode LASER / long pulse ND YAG

- a) Maximum energy 300 J or Equivalent watt
- b) Pulse duration 300-400 msec
- c) Wave length 810 nm
- d) Spot size 10 X 9/ 20 X 9/ 20X10/ 30 X 9 and 30 X 17
- e) Maximum peak power 4.8 W

Or

When Wavelength 1064nm, Then

- a) Maximum spot size 10 mm
- b) Maximum pulse duration 45 msec
3. **Type of LASER: CO2 Fractional LASER system with surgical hand piece / Erbium YAG fractional LASER**
 - a) Wave length : 10600 nm
 - b) LASER power upto 30 W or equivalent Joule

- c) Pulse Duration 20 – 5000 μ s.
- d) Over lap 1 – 10th
- e) Distance 0.1 to 2mm
- f) Treatment area – 1 X 1 to 20 X 20 mm
- g) Repetition rate 0.2 – 2 sec per single shot
- h) Surgical hand piece 0.2 to 1.3 mm spot size

Or

When Wavelength is 2940 nm, then

- a) Should have fractional and focused tips
- b) Should have maximum range of 7 X 7

The system should have the following:

1. An in built cooling system for Diode LASER or for the entire single platform system.
2. The system should be supplied with an UPS with minimum power back up of 30 minutes.
3. It should be approved for the following indication: hair reduction, pigment and Scar removal
4. All separate platforms or the entire single platform system must have IEC 60601 and valid CDSCO Certificate/Registration/License for the manufacturer(s) as applicable.

Physical demonstration will be held at any Govt. Health Institute (Kolkata only) which will be intimated later.