



## **Notice Inviting e-Tender**

### **West Bengal Medical Services Corporation Limited Swasthya Sathi GN-29, Salt Lake, Sector-V Kolkata-700091**

Phone No (033) 40340307/320  
E mail: procurement@wbmsc.gov.in

**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-398/2024**

**Dated-02.07.2024**

### **Amendment-I**

### **Revised Technical Specification** **Laser Machine**

#### **1. Type of LASER - 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 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. Energy at the end of hand piece – Nd: YAG , Long pulse and Q switched
8. 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  $\mu$ s.
- d) Over lap 1 – 10th
- e) Distance 0.1 to 2 mm
- 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 all separate platforms or for the entire single platform system (Optional)
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.**