भारत सरकार / GOVERNMENT OF INDIA
डॉ राम मनोहर लोहिया अस्पताल,
अटल बिहारी वाजपयी आयुर्विज्ञान संस्थान, नई दिल्ली
DR. RAM MANOHAR LOHIA HOSPITAL,
ATAL BIHARI VAJPAYEE INSTITUTE OF MEDICAL SCIENCES, NEW DELHI - 110001

**(PROCUREMENT SECTION)**

File No. Proc- 11014/87/2024 -Dr.RMLH/5014 **दिनांक/Dated, the. 21/11/2024**
**(comp. No. 20716)**

**NOTICE**

**SUB :- Procurement of Robotic Scanning System with High Intensity Laser for Department of Physiotherapy – reg.**

This hospital intends to procure **Robotic Scanning System with High Intensity Laser** manufactured by **M/s BTL Industries Ltd.** for this hospital on **Proprietary Basis** from Authorized Distributor **M/s. A S PHARMA Pvt. Ltd.** as per enclosed **Technical Specification.**

**2.** The Technical Specification is being uploaded for open information to all manufacturers/suppliers to submit objection/representation, comments on the above proposal within **30 days** to the **Procurement Section, Dr. Ram Manohar Lohia Hospital, New Delhi** from the date mentioned above, failing which it will presumed that any other supplier is having no comment to offer and the case will be decided on merits. The comments/objections/representation to be submitted on the following: -

i) Whether the above equipment is manufactured by any other manufacturer other that **M/s BTL Industries Ltd.**
ii) Fulfill all the parameters as per technical specifications.

21/11/2024

**OFFICER INCHARGE**
**(PROCUREMENT)**

Encl : Technical Specification

## Technical Specification

### Robotic Scanning System with High Intensity Laser

1. The device must have large display with preferably touch screen operation.
2. The device must have source output power of at least 20 W with possibility of adjustment from 1 to 20 watts in steps of 0.1W with beam divergence of 35 (+/-) 2 degrees.
3. The device should have pulse duration of 2-2000 ms.
4. The device must have operating Wavelength of 1064 nm.
5. Should have different modes of waveform such as continuous wave (CW), Pulsed Wave (PW), Triangular Modulated Pulse (TMP), Sequential etc.
6. The device should have visible aimed beam of 620 nm-650 nm with max output power of 5 MW.
7. The dosage should be adjustable from 1-200 J/cm$^2$
8. The frequency should be adjustable from 1-20,000 Hz during pulsed operation.
9. The device should have dual operation by robotic scanner and hand held Laser probe.
    - **Hand held laser probe**
    - Should have on off button, power control on applicator/hand piece.
    - Should have therapy indicator light.
    - Should have possibility to optically adjust spot size diameter from 10 to 30 mm.
    - The treatment area should be adjustable from 1-500 cm$^2$ with hand-probe.
    - **Robotic Scanner**
    - The scanner operating system should be supplied with multiple joint arms for better patient positioning and also real time distance measurement.
    - The treatment area should be adjustable from more than 1000 cm$^2$ with scanner system.
10. There should be option of using footswitch to control start and stop of treatment.
11. It should have at least 40 inbuilt program and at least more than 100 customized treatment protocol and parameters.
12. It should be supplied with 2 pairs of safety eyewear.
13. It should be supplied with suitable trolley with castors.
14. It should be operable on mains power supply of 220-240 AC, 50-60Hz fitted with Indian Plug.
15. It should be supplied with user manual in English language.
16. The company will be required to give demonstration of the equipment in the clinical setting.
17. Company should grantee the availability of spare parts for at least 7 years from the date of installation

25/07/2024
ADPI PDUAIIPPD
New Delhi

Jasvinder 25/7/24.

Shweta Sharma 25/7/24
Physiotherapist, ABVIMS & Dr. R.M.L. Hospital

Dr. Ram Manohar Lohia Hospital

**Environment Factors**

1. The unit shall be capable for operating continuously in ambient temperature of 10-40 deg C and relative humidity of 30-75%.

**Standards & Safety Measures:**

1. Should be class IV LASER.
2. Should be US FDA/European CE/BIS approved.
3. Comprehensive warranty for 2 years and five years CMC after warranty.
4. Companies should submit document supporting that same or similar equipment has been installed in last 5 years in Govt. or reputed private institute / Hospital and is functioning satisfactorily.
5. Manufactures should have ISO certification for quality standards.
6. Comprehensive training for lab staff and support services till familiarity with the system on site.

RAJNI KALRA
APPI, PDUNPPD
New Delhi

25/7/24
जसविंदर कौर / JASWINDER KAUR
वरि. भौतिक चिकित्सक / SR. PHYSIOTHERAPIST
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Shweta Shrivastava 25/7/24
Physiotherapist
ABVIMS & Dr. RML Hospital, New Delhi

VIJAY SINGH
Physiotherapy Deptt.
सी.जी.एच.एस.मेडिकल सेंटर / CGHS Medical Centre
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