BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

# Mohali-based Walnut Medical developing & supplying oxygen concentrators

09 June 2021 | News

**DST supported the company and IIT Delhi incubation team worked on the technology**



Mohali-based startup Walnut Medical has developed 5L and 10L portable medical grade oxygen concentrators based on pressure swing adsorption (PSA) technology in India with an oxygen purity of above 96 per cent at a pressure of 55-75 kpa.

The company was supported by CAWACH 2020 grant of the National Science and Technology Entrepreneurship Development Board (NSTEDB) under the Department of Science and Technology (DST), and they developed the world-class Oxygen Concentrator in a year to reduce dependence on imports.

The oxygen concentrators are tested for patient safety, electrical safety, electromagnetic compatibility (EMC), and as per International Safety Standards for oxygen concentrators. The complete mould design, development of all electronics, moulding, control system, sieve tower, and all related parts and accessories has been done in India.

It is currently being supplied to various government, defence, military hospitals in India and is also making them available for the general public through its distribution network across India.

DST’s support helped them push their endeavour forward. IIT Delhi incubation team worked with them to help the technology see the light of the day.