

## Godrej & Boyce Partners with DRDO to Manufacture Oxygen Generators

- Initiative in line with Government of India's Oxygen Buffer Plan
- DRDO Technology used by Godrej Precision Engineering to manufacture and supply Medical Oxygen Generator units
- First batch of Medical Oxygen Generators deployed in hospitals across Uttar Pradesh, Uttarakhand and Madhya Pradesh

**Mumbai, 14<sup>th</sup> September, 2021:** [Godrej & Boyce](#), the flagship company of the Godrej Group announced that one of its businesses, [Godrej Precision Engineering](#) has received an order from the Defence Bio-engineering and Electromechanical Laboratory, (DEBEL), a DRDO laboratory in Bengaluru to manufacture oxygen generators to support India's oxygen buffer plan. DRDO has transferred the technology from the existing technology partner to 10 private sector companies including Godrej & Boyce.

With the pandemic still rampant with newer variants emerging, the need for medical oxygen has increased exponentially. According to a recent press announcement by the government of India, it has taken concerted efforts to ensure oxygen buffers are created at the hospital, state and regional levels. To meet these requirements, DRDO's lab, DEBEL, has identified Godrej Precision Engineering a business of G&B as one of its selected partners to manufacture the oxygen generators.

The first batch have been manufactured and supplied to rural hospitals across Uttar Pradesh, Uttarakhand and Madhya Pradesh within a record period of one month

The system utilizes an air compressor to provide compressed air to the oxygen plant which is filtered and dried by a refrigerant air dryer & further filtered before the air is admitted to the oxygen generator through adsorption towers. The oxygen generator removes the nitrogen from the air by adsorbing it in the molecular sieves and produces an output with 93±3 percent oxygen. For separating oxygen from air, the medical oxygen generator employs Pressure Swing Adsorption (PSA) technique. The output is stored in a storage tank. Each generator can produce 250 Litres of oxygen per minute which can cater to 50 patients.

**Commenting on this partnership, Nyrika Holkar, Executive Director, Godrej & Boyce, said,** *"Throughout our history, Godrej & Boyce has contributed to India's journey of self-reliance by combining cutting-edge engineering prowess with decades of precision expertise. With this new Medical Oxygen Generating system, we hope to assist India in gaining a lasting advantage in the fight against Covid".*

**Sushil Agarkar, Associate Vice-President & Business Head Godrej Precision Engineering, Godrej & Boyce, said,** *"We are honored by the trust that DRDO, for over three decades, has placed in us to manufacture critical systems and precision machines. At Godrej Precision Engineering, we have established our manufacturing process, supply chain, manpower and infrastructure requirements to be able to quickly scale up production of such important medical infrastructure."*

Over the years, Godrej & Boyce has successfully partnered with DRDO for various projects. Last year, another of its businesses Godrej Aerospace developed and delivered 5000 Proportional Solenoid Valves -- a critical component for making ventilators. Godrej Precision Engineering has also

successfully executed orders for defence land systems like Brahmos Missile Launchers, Missile carriers and Naval systems like Diving and Surfacing Mechanism, Hull Equipment, Life Raft Container Ejection Systems and Steering Gear.

**About Godrej Precision Engineering**

[Godrej Precision Engineering](#), a business of Godrej & Boyce, a Godrej Group Company, builds custom equipment with an integrated capability in design, manufacturing & testing of complex and sophisticated systems for several mission-critical applications in nuclear power generation, land & naval systems, steel industries etc. Each high precision, custom-built equipment order is manufactured to stringent quality requirements of its customers.

**About Godrej & Boyce Mfg. Co. Ltd.**

Godrej & Boyce ('G&B'), a Godrej Group company, was founded in 1897, and has contributed to India's journey of self-reliance through manufacturing. G&B patented the world's first springless lock and since then, has diversified into 14 businesses across various sectors from Security, Furniture, Aerospace to Infrastructure and Defence. Godrej is one of India's most trusted brands serving over 1.1bn customers worldwide daily. For more information visit [www.godrej.com](http://www.godrej.com).