



Department for Promotion of Industry and Internal Trade
Ministry of Commerce and Industry
Government of India



STARTUP SOLUTIONS FOR COVID-19 SUPPORTED BY COVID-19 TASKFORCE

CRITICAL-
CARE
EQUIPMENT

MAY 2020



DEPARTMENT OF BIOTECHNOLOGY
MINISTRY OF SCIENCE & TECHNOLOGY, GOVERNMENT OF INDIA



Office of the Principal Scientific Adviser
to the Government of India



CRITICAL- CARE EQUIPMENT

ABSSTEM TECHNOLOGIES LLP

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Mohit Sharma Website: https://absstem.com/ Location: Delhi	Product: PSA (Pressure swing adsorption) technology-based Medical oxygen plant Target Audience: Hospitals and medical institutions, CPAP, NICU or any critical care unit w	Startup Stage: Early Traction Price: INR 15 lakhs to 100 lakhs Production: 6 oxygen generator per day	Deployment: They need support to connect with the government hospitals and quarantine centers
<ul style="list-style-type: none"> • A medical oxygen generator provides medical grade oxygen onsite using electricity only. The capacity of the machine varies from 4 to 200 oxygen cylinders (2 to 100 ventilators). • Following are the benefits of using Medical oxygen generator in COVID-19: <ul style="list-style-type: none"> ○ It produces oxygen inside the hospital with electricity (reduces the dependency on external factors) ○ No manpower is required for the operation of this machine ○ It eliminates the entry of non-hospital staff inside the hospital ○ The machine is capable of producing oxygen for 1 ventilator to 100's of ventilators. ○ This machine is installed once and can be installed at any place and this can be a perfect solution. 			

