

# CSIR-CMERI transfers the technology to companies' to ramp up the production of Oxygen Enrichment Unit

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CSIR-CMERI, Durgapur transferred the technology of Oxygen Enrichment Unit developed by the Institute virtually on 29.04.2021 in presence of Prof. (Dr.) Harish Hirani, Director, CSIR-CMERI to M/s Jyoti CNC Automation Ltd, Rajkot and M/s GRID Engineers Pvt Ltd, Gurugram.



On this occasion Prof. Hirani mentioned about the need of better distribution strategies of O<sub>2</sub> particularly in the present COVID-19 pandemic scenario. On average, an individual requires 5-20 LPM air containing appropriate percentage of oxygen. The technology developed by CSIR-CMERI provides in-house enrichment of Oxygen and offers independence from external parties as well as eliminates the risks and difficulty of handling bulky cylinders. CSIR-CMERI developed OEU can help patients to recover faster.



Prof. Hirani also stated that CSIR-CMERI has transferred the license for production, marketing and service to four industries and he is confident that the all four parties are able to manufacture the product by the 2<sup>nd</sup> week of May 2021.

Mr. Gupta, Managing Director of M/s GRID Engineers Pvt Ltd, Gurugram appreciated the Institute developed oxygen enrichment technology and it's utility in the present scenario. He also assured of overcoming some bottlenecks in importing the required compressors from China and USA. He stated that initially his company may start manufacturing 25 to 50 pieces per day and trying to speed up the production. CSIR-CMERI suggested to explore the sources from some Ahmedabad based companies also. Mr. Gupta informed that his company would also work on aesthetic appearance and digital functionality of the product for its larger acceptance in the market. Mr. Gupta also added that they are looking the matter not only from the commercial perspective but also as the service to the society.



During the transfer the Managing Director of M/s Jyoti CNC Automation Ltd, Rajkot confirmed that within a week they would manufacture the prototype and try to ramp up the production capacity as per the demand as they have their own capability for manufacturing compressor also. He also said that as the requirement is very high presently they would try to manufacture more than 1000 pieces per day and they are planning to convert the metal sheet body into plastic body considering the aesthetic, portability and cost aspects. To serve the demand in the existing scenario, they are working 24x7 to achieve the fast production of the unit thereby service to the nation.

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RP/ (CSIR-CMERI, Durgapur)

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