

# 095 Oxygen Concentrator

Prof. Praveen Ramamurthy and his team at the Indian Institute of Science (IISc), Bangalore have developed a "Make in India" high-performance oxygen concentrator (**95% oxygen concentration at 1 liter per minute** available within 3 minutes of the start of operation and, more importantly, **90% oxygen at 5 lpm**). Doctors and hospitals have reviewed this performance and find it equivalent or better than imported units – units that are in short supply anyway in these trying times.

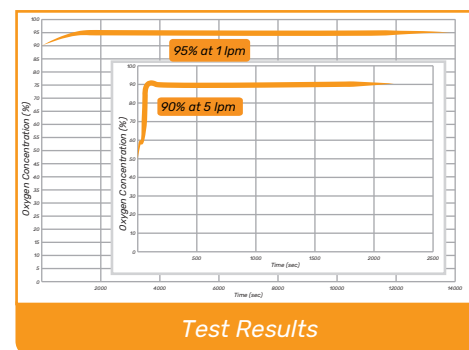
Our advanced prototypes were developed under the 'TATPAR' scheme of the Society for Innovation and Development (SID) at IISc. SID can now produce oxygen concentrators with emergency use authorization from the government, and together with industry and government partners rapidly distribute them to hospitals, clinics, ambulances and even at homes. We have a realistic plan to start producing oxygen concentrator units within a matter of weeks at a cost of Rs. 50,000/unit with the help of our suppliers and partners – even with tight lock-down conditions.

However, in order to make this happen, investments are required to convert our advanced prototypes into batches of production runs of many units, and get the products certified (*beyond the immediate emergency use authorization that is now awaited*).

We are seeking support for sponsoring batches of production runs of these oxygen concentrators in units of 50 as per the table below (*to be used under emergency authorization*)

Units	CSR Contribution
50	Rs. 30 lakhs
100	Rs. 55 lakhs
200	Rs. 1 cr

*Funds Required*



In addition, we need support for certification and further optimization of the product. The budget for this is around 50 lakhs.

Please contact Mr. Prathap Murthy at [tatpar@iisc.ac.in](mailto:tatpar@iisc.ac.in) to know more or fill the form on our website.

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