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GRS India develops smartphone-based portable oxygen kit

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The device can provide consistent oxygen supply during disasters and medical emergencies



An easy to handle and transport, multi-modal, smartphone-based, field-portable oxygen kit can now provide consistent and cost-effective oxygen supply to communities during situations like the recent COVID 19 pandemic and other disasters like medical emergencies and high altitude-related problems.

The field-portable smart bag pack emergency oxygen concentrator called Oxygen Plus has been designed by New Delhi-based GRS India, a Department for Promotion of Industry and Internal Trade (DIPP) Government of India recognised startup with support from the North East Centre For Technology Application and Reach (NECTAR), an autonomous organisation of the Department of Science and Technology (DST).

The product suitable for easy transportation in the hilly terrains of the North East will be manufactured in the NER. The patent filing is under process.

The device can also be used by frontline workers, paramedics, fire tenders, nurses, doctors for oxygen support during medical emergencies, trauma as well as disasters to protect the health workers from the risk of breathing contaminated air. The developed product is currently being validated, and the design is being improved.