



Medical Oxygen Concentrator

Interest Exploration Note

VSSC/ISRO has developed a portable Medical Oxygen Concentrator (MOC) named 'SHWAAS' (शवास) which can deliver enriched level (>95%) of oxygen than in air to support patients with respiratory illness or who are on oxygen therapy. The device enhances the oxygen gas content by selectively separating the nitrogen gas from ambient air through Pressure Swing Adsorption (PSA). SHWAAS is capable of supplying enriched oxygen continuously @10 LPM adequate for two patients at a time.

SPECIFICATIONS:

PARAMETERS	VALUE
Rated power	600 Watt
Operating voltage	220 V/ 50 Hz
Oxygen flow	0.5 - 10 LPM (Controllable)
No. of Oxygen Outlets	2
Oxygen concentration	82 % minimum (95% Nominal)
Outlet Oxygen pressure	50 - 80 kPa
Alarm	Audible alarm for low purity, low & high levels of Pressure and Flow rate of Oxygen
Noise	≤ 60 dB
Net weight	42-44 kg
Dimensions	600 mm H x 500 mm L x 400 mm W
LCD display	Oxygen Concentration, Flow rate, Pressure

Interested entrepreneurs are requested to contact the address given below with all relevant particulars regarding their line of current activity, infrastructure available for realising the product.

For further details please contact:

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