



Ministry of Science & Technology



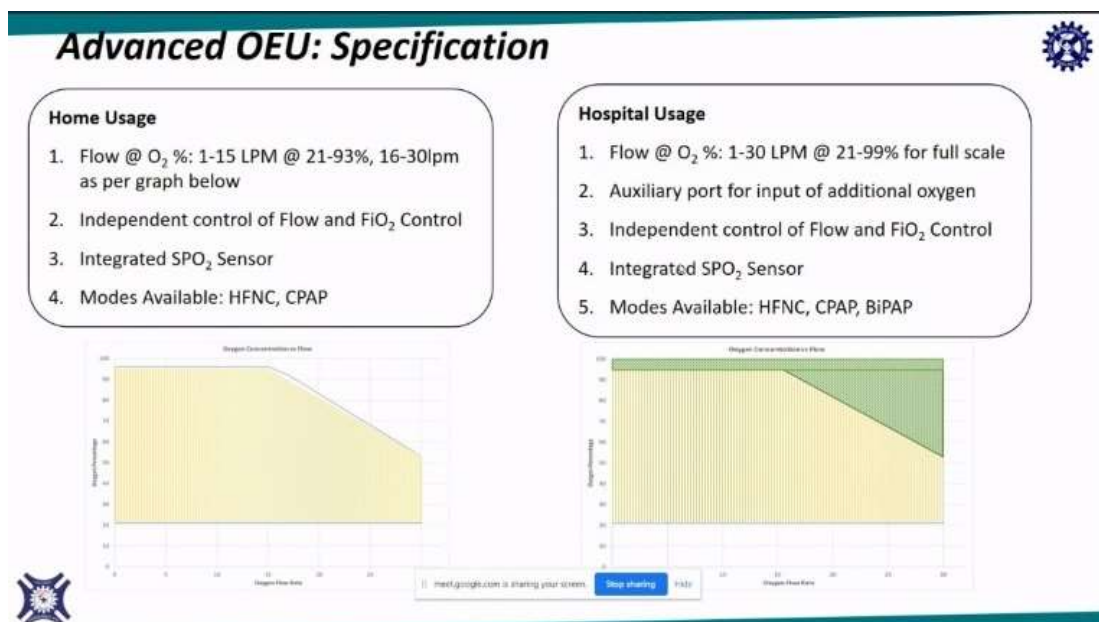
Maharashtra MSMEs virtually assemble to acquaint about CSIR-CMERI Oxygen Technology



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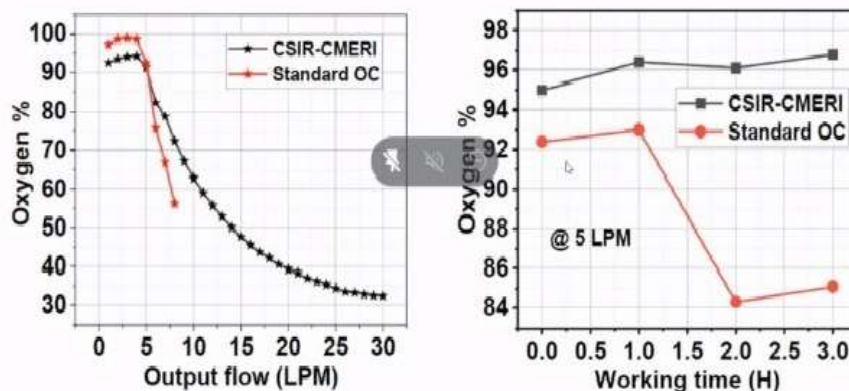
in A Webinar on 'Oxygen Enrichment Technology' developed by CSIR-Central Mechanical Engineering Research Institute was organised by the MSME Development Institute, Mumbai in association with Indo-German Tool Room, Aurangabad today. Prof. Harish Hirani, Director, CSIR-CMERI, was invited as the Chief Speaker to deliver his address on the CSIR-CMERI Oxygen Technology and Future Advancements. The Webinar was attended by numerous MSMEs representatives of the region and beyond, besides representatives of Small Industries Development Bank of India, Chamber of Marathwada Industries and Agriculture and Marathwada Association of Small Scale Industries and Agriculture.



Prof. Harish Hirani, Director, CSIR-CMERI, cited that as per scientific reports our inhalation process consumes only 1/3rd time of the entire breathing process. However, Oxygen is continuously supplied to patients without any consideration of this aspect. This translates to the fact that 2/3rd of the Oxygen supplied to the patients are usually wasted, as per the current practice. Besides, as per available Medical Journals, the usage of Nasal Cannula without Masks leads to transmission of viral load to people present nearby. Even wearing N95 masks can be uncomfortable for patients having lung issues. Besides, exposing a patient from 21% natural air oxygen to a 100% oxygen supply load might be deteriorating for the patient. Thus, there is an inevitable need for seeking a Decentralised Solutions for providing oxygen to patients. Most of the Oxygen Technologies available in the Market are for therapeutic usage of Oxygen instead of treating Transmittable diseases.



Results of Oxygen% vs output flow of CSIR-CMERI developed Oxygen Enrichment Unit and Available Oxygen Concentrator



A need was felt for an additional Innovative technology for seeking an alternative methodology. Keeping this in mind, CSIR-CMERI developed the Oxygen Enrichment Technology, which is the next technological step to Oxygen Concentrators. The CSIR-CMERI Oxygen Enrichment Technology checks many advantages which some of its existing competitors either does not possess, or is not as efficient.

Shri N.N. Estolkar, Jt. Director, Br MSME-DI, Aurangabad, delivered the Welcome Address for the Webinar and shared the great experience of learning about the CMERI Technology development.


Shri A.R. Gokhe, Director, MSME-DI, Mumbai shared that the entire world is undergoing a hard time and it is in these moments that Technologies such as these can go a long way in providing relief to the society. MSMEs are bearing the brunt of the current scenario and thus indigenous technological breakthroughs will not only provide the MSMEs an avenue for economic progress but it will also strengthen the indigenous technological capabilities of the nation.

Shri H.D. Kapse, Managing Director, Indo-German Tool Room, Aurangabad, thanked Prof. Harish Hirani for the efforts CSIR-CMERI is undertaking to reach out to the MSMEs across the country. MSMEs are extremely eager to learn and adopt such indigenous technology developments. He asserted that Indo-German Tool Room will provide all possible technical assistance to the MSMEs with the available Infrastructure at their disposal. IGTR also expressed their willingness to collaborate with CSIR-CMERI for the sake of the society and the MSMEs of the Nation.

Shri Bhagwan Chandanani, AGM, SIDBI, Aurangabad, gave an elaborate presentation on the Government of India Financial Assistance Schemes for the MSMEs such as SAFE, SHWAS and AROG so that same may be augmented by them for assisting the deployment of technologies across the Nation.

CP/PK

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