

BHEL secures order for 500 LPM (30 cum/Hr) PVSA medical oxygen plant from the prestigious Malla Reddy Narayana Multispecialty Hospital ,Hyderabad.



Bharat Heavy Electricals Limited (BHEL) a Maharatna Public Sector Undertaking (PSU) under the Ministry of Heavy Industries, Govt. of India had ventured into the manufacturing of medical oxygen plants. After successful execution of first indigenously built oxygen plant at SLG Hospitals, Hyderabad in a record time, BHEL has subsequently secured another order from Malla Reddy Narayana Multispecialty Hospital. The 500 LPM (30 cum/Hr) PVSA Oxygen Generation System unit will be manufactured and supplied to Malla Reddy Medical College for Women ,Hyderabad by BHEL HPEP manufacturing Unit at Hyderabad.

The medical-grade oxygen generating system has been designed, developed and manufactured by BHEL in association with the CSIR–Indian Institute of Petroleum, Dehradun. CSIR-IIP is a constituent laboratory of the Council of Scientific and Industrial Research (CSIR), an Autonomous Body under the Ministry of Science and Technology, Government of India.

In this system, Pressure Vacuum Swing Adsorption (PVSA) technology is being adopted. In this process, purity of $93 \pm 3\%$ oxygen can be achieved. Use of Oil Free Compressors ensures no hydrocarbon vapours at outlet. PVSA technology is increasingly popular due to its advantages over traditional systems. It can be installed at Hospital premises with bare minimum footprints and supply the oxygen on demand.

Further, BHEL had also been awarded an order for 10 no.s of 1000 LPM (60 cum/Hr) PVSA Oxygen generation system from State Disaster Management Authority (SDMA), Government of Maharashtra (GoM) ,and an order for 500 LPM Oxygen generation system from BHEL HPBP Trichy Unit in Tiruchirapalli, Tamil Nadu.