



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press release

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A new X-band weather radar is installed in the campus of National Institute of Ocean Technology at Chennai under the Ministry of Earth sciences. The Hon'ble Minister of State (Independent Charge), Ministry of Science & Technology and Earth Sciences; Minister of State, Prime Minister's Office, Ministry of Personnel & Public Grievances and Pensions, Department of Atomic Energy and Department of Space, Government of India, Dr. Jitendra Singh will inaugurate it, through video conferencing, on 14.01.22.

The new radar is the third Doppler weather radar which will be monitoring weather around Chennai in X band in addition to the two S band radars installed at Sriharikota and Chennai. This dual polarised Doppler weather radar is capable of providing coverage in an area with a radius of 150 kms around Chennai. Designed and developed by the scientists of ISTRAC, under ISRO, it is indigenously designed and is manufactured by M/S Data Patterns Chennai. It has a solid state power amplifier which makes it reliable and economical to operate thus enabling a viable option to reduce the imported content in this sophisticated radar.

With the state of the art technology available within the country, the Atma Nirbhar Bharat vision is being realised by the hard work of the scientists and engineers of ISRO, IMD and the industry.

