



**Government of India
India Meteorological Department
Regional Meteorological Centre
Mumbai – 400005**

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PRESS RELEASE

Inauguration of C-Band Doppler Weather Radar at Veravali, Mumbai

A C-band Dual polarised Doppler weather radar has been installed at Veravali in Mumbai. It is the epitome of the cooperation between IMD and ISRO for development of state of the art indigenous Doppler weather radar. This is the second radar in Mumbai installed in the land provided by BMC to facilitate improvement in weather forecasting over Mumbai region.

Being a Dual polarised Doppler weather radar it is capable of providing better estimation of rainfall and hydrometeor classification thus improving the forecasting & warning capabilities of IMD. This radar designed and developed by a team of radar experts of ISTRAC, ISRO provides surveillance within a radial range of 450 kms around Mumbai. The fully indigenous design has been manufactured by M/S Data Patterns, Chennai. It is a remarkable achievement of the scientists of ISRO as the Solid state transmitter, radar control and signal processor is entirely fabricated in India thus establishing that State of the art technology under the Make in India policy.

This radar will help in providing nowcast (very short range forecast up to 3 hours) for all types of severe weather events affecting the region, especially thunderstorms, lightning, squalls and heavy rainfall in conjunction with other tools and techniques. This C-band radar at Mumbai will facilitate a better understanding and monitoring of weather systems, hydrological applications, flood warnings, and also climate research. It will give information about microphysical processes in clouds which can help in improving numerical weather prediction models.

This C- band radar will be formally inaugurated jointly by Dr. Jitendra Singh, Hon'ble Union Minister of State(Ind. Charge) Science & Tech; (Ind. Charge) Earth Sciences; PMO, PP/DoPT, Atomic Energy and Space and Shri Uddhav Thackeray, Hon'ble Chief Minister, Government of Maharashtra on 14th January 2022 on the occasion of 147th IMD Foundation Day Celebration through virtual mode. Detailed programme of the Foundation Day celebration on 14 January 2022 is given in the enclosure. All are cordially invited to join the program virtually through the link given below: <https://webcast.gov.in/moes/imd>