

Vigyan Samachar: MoES News

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Doppler radar numbers to be increased for accurate forecast of cyclonic storms

Dr. Devendra Pradhan, Scientist of India Meteorological Department, during seminar on extreme weather and climate at National Centre for Medium-Range Weather Forecasting analyzed the role of Doppler weather radar and satellite in the cyclone detection system. Dr. Pradhan told that after the installation of the Doppler radar network and satellites, the forecast of the cyclone has become very accurate and it has been warned for many days.



Doppler Radar (Photo courtesy- Wikipedia)

Dr. Pradhan also said that presently 7 Doppler on the east coast of India and 4 Doppler radars have been installed on the west coast. So far, 30 radars have been installed in India and it is estimated that in the next three to four years, 50–55 will be installed.

The diameter of the eye of cyclone can also be measured accurately, so that the time and location of the cyclone can be predicted about 12 hours in advance. The wind speed information is also given which threatens the coastal area. The height of the ocean and ocean waves can also be calculated, so, the forecast of cyclonic storms and the time and place of their colliding will be done more accurately.

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