

PARLIAMENT QUESTION: WEATHER RADARS UNDER MISSION MAUSAM

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The newly launched Mission Mausam is intended to augment the Doppler Weather Radar (DWR) network across the country for complete radar coverage and to enhance the accuracy of the weather forecasting system. Supply order for 34 nos. DWRs have already been placed, and additionally, the Expenditure Finance Committee (EFC) has approved the procurement of 53 more DWRs.

India Meteorological Department (IMD) has a high-end DWR network that utilizes well-proven world-class technologies like dual polarization, solid-state power amplifier (SSPA), etc.

Surface-based observations and DWR networks monitor high to very high rainfall over a location. The DWR observations are available every ten minutes in the form of cloud images and the velocity of winds over the region under the radar range. It helps monitor and issue a nowcast of associated heavy rainfall activities at a very short duration of up to 1 hour. DWR networks will not provide a forecast or prediction of rain.

India Meteorological Department (IMD) issues various outlooks/forecasts/warnings for the Public and disaster management authorities to prepare for extreme weather events, including high to very high rainfall, using DWR, in-situ observations, and models. While issuing the alert, a suitable color code is used to highlight the impact of the severe weather expected and signal disaster management about the course of action to be taken regarding an impending disaster weather event. IMD issues the necessary warnings and advisories well in advance for preparedness, including high to very high rainfall throughout the year.

This information was given by Union Minister of State (Independent Charge) for Science & Technology and Earth Science, Dr. Jitendra Singh in a written reply in the Lok Sabha today.

NKR/ KS

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