

GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 365**  
ANSWERED ON 28/11/2024

**DOPPLER RADAR IN MAHARASHTRA**

365. DR. AJEET MADHAVRAO GOPCHADE:

Will the Minister of **EARTH SCIENCES** be pleased to state:

- (a) whether Government has taken steps to install Doppler radars that deliver accurate weather information to farmers in order to minimize the impact of unseasonal or untimely rain and prevent losses;
- (b) the number of Doppler radars installed in Maharashtra and Gujarat, location-wise details including its set up time frame; and
- (c) steps taken by the Central Government to set up X-BAND Doppler radar in the Marathwada region of Maharashtra as on date?

**ANSWER**

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR  
MINISTRY OF SCIENCE AND TECHNOLOGY  
AND EARTH SCIENCES  
(DR. JITENDRA SINGH)

- (a) Yes. Currently, 39 Doppler Weather Radars (DWRs) are installed at various locations across the country to monitor rain and thunderstorms. The DWRs information is utilised for the operational forecast of weather events with a lead time of up to 2 hours. Nowcast warning helps the common public, including farmers, take all safety actions.
- (b) A total 4 numbers of DWRs are installed in Maharashtra (Mumbai, S-Band, commissioned on 25.08.2015; Nagpur, S-Band, commissioned on 28.02.2011; Solapur, C-Band; Veravali, C-Band, commissioned on 31.12.2021). One DWR is installed in Gujarat (Bhuj, S-Band, commissioned on 17.08.2016).
- (c) Currently, there are no plans to set up X band DWR in the Marathwada region. Instead, a C band DWR, which is superior in terms of coverage area than X band DWR, is proposed to be installed at Mhaismal Hills, Aurangabad, and necessary approvals are being sought from the Forest Department for the land acquisition.

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