

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; Veraval, 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.
