

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION NO. 1311
ANSWERED ON 11/12/2025

DOPPLER WEATHER RADAR NETWORK

1311. # MS. INDU BALA GOSWAMI:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the entire country is proposed to be covered by the Doppler Weather Radar Network by 2025;
- (b) if so, the details thereof; and
- (c) the range in Kilometers, upto which the said network would provide the weather change information?

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

- (a)-(b) The existing network of 47 Doppler Weather Radars (DWRs) now covers a significant portion of the country, reaching approximately 87% of the total area. In the coming years, DWRs will be installed as per the requirement to cover the remaining gap areas in the country, provide redundancy, and replacement of old radars in the DWR network under Mission Mausam of MoES.
- (c) DWR coverage varies by radar band, with S-Band, C-Band, and X-Band radars providing a range of about 500 km, 250 km and 100 km, respectively.
