

GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1735**

TO BE ANSWERED ON THURSDAY, DECEMBER 27, 2018

**INSTALLATION OF DOPPLER WEATHER RADARS IN HIMALAYAS**

1735. SHRI HARSHVARDHAN SINGH DUNGARPUR:

Will the PRIME MINISTER be pleased to state:

- (a) whether ISRO has installed Doppler Weather Radars in Himalayas and other areas in the country;
- (b) if so, the details thereof; and
- (c) whether the radars are capable of monitoring snow, rain, avalanches and other severe weather events?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG &  
PENSIONS AND IN THE PRIME MINISTER'S OFFICE

(DR. JITENDRA SINGH):

- (a) Yes Sir.
- (b) Indian Space Research Organisation (ISRO) in association with India Meteorological Department (IMD) has installed indigenously built, dual polarimetric, S-band Doppler Weather Radars (DWRs) at Cherrapunji, Meghalaya; Gopalpur, Orissa; Kochi, Kerala and Shriharikota, Andhra Pradesh and one C-band DWR at Thiruvananthapuram, Kerala.
- (c) These DWRs are capable of monitoring rain and snow (hydrometeors) including the severe weather events such as cyclones, tornadoes, thunderstorms and heavy snowfalls. The information on snowfall obtained from DWR is useful in avalanche studies.

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