

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION NO. 1157
ANSWERED ON 01/08/2024

DOPPLER WEATHER RADAR SYSTEMS IN HIMACHAL PRADESH

1157. DR. SIKANDER KUMAR:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) the details of the Doppler Weather Radar (DWR) systems installed in State of Himachal Pradesh at present along with the timelines drawn for commissioning of the latest radars;
- (b) the funds spent on installation and for the smooth functioning of DWRs in the State; and
- (c) the measures adopted by Government to ensure proper functioning of weather observing systems for accurate forecasts in the State?

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

- (a) Three X-Band Doppler Weather Radars (DWRs) have been installed and commissioned at Kufri (Shimla), Murari Devi (Mandi), and Jot (Chamba) in the State of Himachal Pradesh. One more X-Band DWR will be installed in the Lahaul & Spiti District, Himachal Pradesh by December 2025.
- (b) Rs. 13.87 crore.
- (c) The weather predictions are made using data from multiple observational systems, which include surface observations, upper air observations, DWRs observations, and national and international satellite-based observations. The data from these observational systems are assimilated into various state-of-the-art regional and global dynamical models to generate weather forecasts at different spatial and temporal scales. The ministry is continuously endeavoring to augment the observational and R&D infrastructure to achieve better accuracy in weather forecasting across the country.
