

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 1493
TO BE ANSWERED ON WEDNESDAY, 4TH DECEMBER, 2024**

MISSION MAUSAM TO BOOST THE RADAR NETWORK

1493. SHRI SELVAGANAPATHI T.M.:
SHRI RAMASAHAYAM RAGHURAM REDDY:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Government has cleared Rs. 2,000 crore Mission Mausam to boost the radar network to seed and tweak clouds, if so, the details thereof;
- (b) whether Mission Mausam would facilitate a major upgrade for the forecasting infrastructure as well as funding research into a better understanding of weather modification, if so, the details thereof;
- (c) whether it is true that by the year 2026, the Government hopes to procure and install upto 60 weather radars, 15 wind profilers and 15 radiosondes, if so, the details thereof;
- (d) whether it is true that India has 39 radars or about one for every 432 km which is quite insufficient keeping in view Country's size and geographical variability as the weather can vary widely; and
- (e) if so, the details thereof?

ANSWER

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

- (a) Yes. The Union Cabinet has approved the central sector scheme 'Mission Mausam' at an outlay of INR 2,000 crores over two years. Mission Mausam is envisaged to be a multi-faceted and transformative initiative to tremendously boost India's weather and climate-related science, research, and services. It will help to better equip stakeholders, including citizens and last-mile users, in tackling extreme weather events and the impacts of climate change.
- (b) Yes. The mission's focus will include improving the observations by augmenting various observational networks for providing highly accurate and timely weather and climate information across temporal and spatial scales, including monsoon forecasts, alerts for air quality, extreme weather events and cyclones, weather interventions for managing fog, hail, and rain, etc., capacity building and generating awareness.
- (c) Yes. The newly launched Mission Mausam is intended to augment the Doppler Weather Radar (DWR) network across the country for complete radar coverage and to enhance the accuracy of the weather forecasting system. The exact locations are being worked out for installing 87 more DWRs, 15 radiometers and 15 wind profilers across the country, to observe not only surface measurements but also upper atmosphere, to improve the weather forecast.

(d) - (e) Yes. Currently, 39 Doppler Weather Radars are installed at various locations across the country to monitor rain and thunderstorms. The locations of these radars have been distributed in the best possible way to monitor severe weather conditions across the Indian region.
