

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
LOK SABHA  
UNSTARRED QUESTION NO. 2645  
TO BE ANSWERED ON WEDNESDAY, 7<sup>TH</sup> AUGUST, 2024**

**WEATHER RADAR SYSTEMS IN TAMIL NADU**

2645. THIRU DAYANIDHI MARAN:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether new plans or initiatives proposed/are being proposed by the Government to strengthen radar and weather forecasting systems for Tamil Nadu and if so, the details thereof;
- (b) whether there are plans to expand or enhance radar coverage in Tamil Nadu to improve the accuracy and timeliness of weather forecasts and if so, the details thereof;
- (c) whether technological upgrades are being considered for existing weather radar systems in Tamil Nadu and if so, the details thereof;
- (d) the details of the funds allocated for the improvement of weather forecasting systems in each State and specifically in Tamil Nadu in the last ten years along with details of additional resources being provided item-wise; and
- (e) whether measures are being taken to ensure that real-time weather data is effectively shared with local authorities and the public in Tamil Nadu?

**ANSWER**

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

- (a)– (b) There are three existing operational Doppler Weather Radars (DWRs) in the State of Tamil Nadu: two in Chennai (S-Band and X-Band) and the third one in Karaikal (S-Band). These DWR systems cover sufficiently the interior and coastal regions of Tamil Nadu. Ministry is continuously augmenting the weather forecasting systems towards the improvement of forecast services throughout the country, including Tamil Nadu.
- (c) Yes. IMD is processing the procurement of one S-Band DWR for replacement.
- (d) Funds are allocated through the Atmosphere & Climate Research-Modelling Observing Systems & Services (ACROSS) central sector scheme throughout the country, including Tamil Nadu, to improve weather forecasting systems. Funds allocated during the last 10 years for maintenance and upgrade of the DWRs is about Rs. 92.7 crore for all the DWRs installed by IMD across the country, including Tamil Nadu.
- (e) Yes.

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