

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 2303
TO BE ANSWERED ON WEDNESDAY, 15TH MARCH, 2023**

DOPPLER RADARS

2303. SHRI KOMATI REDDY VENKAT REDDY:
SHRI MANNE SRINIVAS REDDY:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the disaster-related mortality has dropped to single digit with improvement in forecast in the country and if so, the details thereof comparatively since 2014 onwards; and
- (b) whether the entire country will be covered by Doppler radars by 2025 and if so, the details thereof and the progress made till now along with funds sanctioned/spent in this regard till now?

ANSWER

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

- (a) No Sir. The disaster-related mortality has not dropped to single digit with the improvement in forecast in the country. However, there is significant reduction in weather related mortality rate.

As per the data provided by the National Crime Records Bureau (NCRB), MHA the details of deaths due to disastrous weather events during 2014 to 2021 are given in Annexure-I.

- (b) The number of radars is likely to be enhanced from the present 37 to 49 by 2025. The current DWR network is shown in Annexure-II.

The details of ongoing projects related to installation and commissioning of DWRs follow:

1. Under the Integrated Himalayan Meteorological Programme (IHMP), 10 X-Band DWRs are being installed in the Himalayan & Sub-Himalayan region. The project is expected to be completed in next few months. The cost of the project is Rs. 46.2 crores INR.
2. 11 C-Band DWRs are proposed to be installed at various parts of the country under two projects; 03 C-Band radars at an estimated cost of Rs. 60 crores INR and 08 C-Band DWRs at an estimated cost of Rs. 96 crores INR. 08 X-Band DWRs are to be installed in NE region. The project carries an estimated cost of Rs. 48 crores INR. The case is under process of approval and shall commence in a few months period.

3. 04 S-Band DWRs are to be installed along the Eastern coast of the country replacing the old radars at a cost of Rs. 81.6 crores INR. The tender for the case has been already floated.
4. 06 X-Band DWRs are to be installed under 'Urban Meteorology' scheme at various cities across the country. The case is under process of approval.

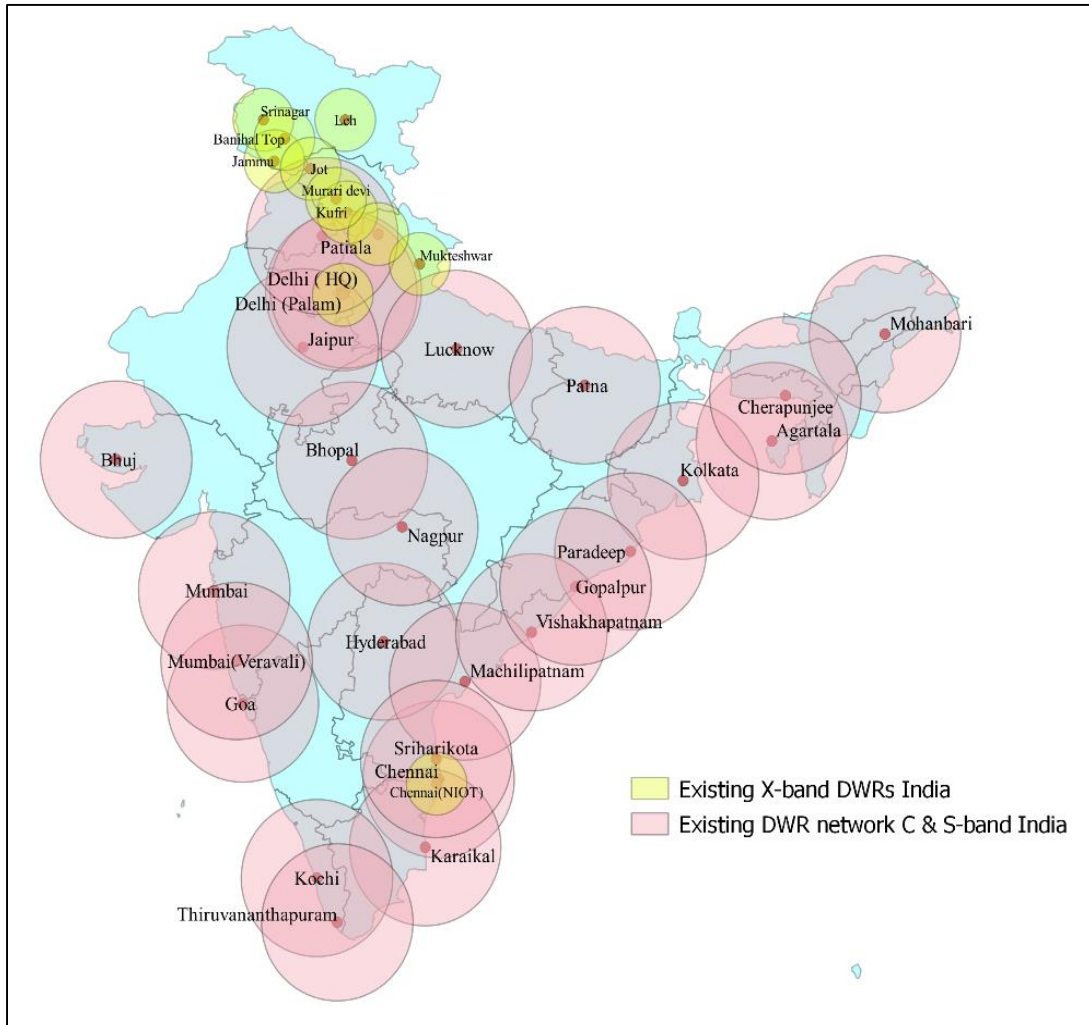
After installation of all above mentioned radars, the radar network of IMD would be as shown in Annexure-III.

Annexure-I

DEATHS DUE TO DISASTROUS WEATHER EVENTS					
YEAR	Cyclones	Floods	Torrential rains	Heat Wave	Total
2014	62	541	156	1248	2007
2015	15	846	195	1908	2964
2016	15	775	143	1338	2271
2017	133	496	259	1127	2015
2018	125	500	101	890	1616
2019	33	948	69	1274	2374
2020	37	959	43	530	1569
2021	118	656	63	374	1211
Grand Total	538	5721	1029	8689	16007

Data provided by National Crime Records Bureau, MHA

Annexure-II



Annexure-III

