

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION No. 2968
TO BE ANSWERED ON WEDNESDAY, August 3, 2016**

DOPPLER WEATHER RADAR

2968. SHRI BHARTRUHARI MAHTAB:

SHRI SANJAY DHOTRE:

SHRI RAHUL SHEWALE:

SHRI B. SENGUTTUVAN:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) the details of the Doppler Weather Radar (DWR) system installed the country, location and state-wise, along with the funds allocated and spend thereon;**
- (b) whether some of the DWR system installed in various parts of the country are not functioning for a long time and if so, the details thereof and the reasons therefor;**
- (c) whether the Government has conducted any enquiry into non-functioning of DWR system and if so, the details and outcome thereof and if not, the reasons therefor;**
- (d) whether the Government proposes to install more DWR system in the country including in Uttrakhand and if so, the details thereof, location-wise;**
- (e) whether the Earth System Science Organisation—India Meteorological Department has adequate skilled staff for maintenance of DWR system in the country; and**
- (f) if so, the details thereof and if not, the action taken by the Government in this regard?**

ANSWER

**MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)**

- (a) The details of the Doppler Weather Radar (DWR) system installed in the country, location and state-wise is enclosed at Annexure-I. An expenditure of Rs 244 crores has been incurred for procurement of DWRs and spares.**

- (b) At times radars remain non-functional due to failure of support systems/critical spares/parts. As and when non-functionality scenario develops, the said 24X7 severe weather surveillance is carried out through half-hourly updates of geostationary satellites (like INSAT-3D) and other polar orbital satellites covering India and its neighborhood. Although, efforts are always made to ensure the uninterrupted functionality of various observing systems including DWRs over land and ocean, systems become dysfunctional at times. Prioritized action will always be launched so as to make the system functional with minimum break-downs to the extent possible.**

Currently only one Doppler Weather Radar at Delhi (Palam) is under service for want of spare parts.

- (c) No Madam.**

- (d) Mussoorie/Dehradun, Uttarkashi and Nainital are identified locations in Uttarakhand under the Integrated Himalayan Meteorology during the current Five Year Plan. Additional DWRs will be placed in a phased manner based on service requirements related to land and associated infrastructure in various parts of the country.**

- (e)-(f) With an in-house inventory of spares, despite the staff crunch, radars purchased prior to 2006 are maintained by technical staff of India Meteorological Department (IMD). The annual maintenance contract is awarded for the maintenance of the radars procured after 2010.**

Annexure-I

S.No.	Name of Station	Commissioned on	Radar status
1	Chennai (Tamil Nadu)	22.02.2002	Installed & functional
2	Kolkata (West Bengal)	29.01.2003	Installed & functional
3	Machilipatnam (Andhra Pradesh)	08.12.2004	Installed & functional
4	Visakhapatnam (Andhra Pradesh)	27.07.2006	Installed & functional
5	Delhi (Palam) (Delhi)	22.04.2010	Under service for want of spares
6	Hyderabad (Andhra Pradesh)	16.07.2010	Installed & functional
7	Nagpur (Maharashtra)	28.02.2011	Installed & functional
8	Agartala (Tripura)	13.03.2011	Installed & functional
9	Patna (Bihar)	27.05.2011	Installed & functional
10	Lucknow (Uttar Pradesh)	16.08.2011	Installed & functional
11	Patiala (Punjab)	13.10.2011	Installed & functional
12	Mohanbari (Assam)	02.06.2012	Installed & functional
13	Bhopal (Madhya Pradesh)	06.11.2013	Installed & functional
14	Paradip (Odisha)	19.11.2015	Installed & functional
15	Karaikal (Tamil Nadu)	29-10-2015	Installed & functional
16	Goa (Goa)	-	Under Installation
17	Mumbai (Maharashtra)	25.08.2015	Installed & functional
18	Bhuj (Gujarat)	-	Under Installation
19	(Mausam Bhawan (Delhi)	19.12.2011	Installed & functional
20	Jaipur (Rajasthan)	28.01.2012	Installed & functional
21	Srinagar (J&K)	01-05-2015	Installed & functional
22	Gopalpur (Orissa)	-	Under Installation
23	Kochi (Kerala)	-	Under installation
24	Cherrapunji (Meghalaya)	-	Under installation
25	Sriharikota (Andhra Pradesh)	-	Under upgradation