

**GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA**

UNSTARRED QUESTION NO:3127
ANSWERED ON:18.08.2004
SUPER COMPUTERS
Badiga Shri Ramakrishna

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) whether the Government proposes to instal more Doppler Weather Radar Network for modelling and predicting the course of cyclones in coastal areas by using super computers;
- (b) if so, the areas identified therefor alongwith the places where such Radars have already been set up; and
- (c) the likely cost thereon and the benefits to be derived therefrom and the share of State and Central Government therein?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE (INDEPENDENT CHARGE) OF THE DEPARTMENT OF OCEAN DEVELOPMENT (SHRI KAPIL SIBAL)

(a) Yes, Sir.

(b) The Cyclone Detection Radars (CDRs) of IMD's existing network are located on the east and west coasts of India. Two old radars located at Chennai and Kolkata have already been replaced with Doppler Weather Radars of latest technology. Two more such radars are in the process of installation at Machilipatnam and Visakhapatnam. In addition one indigenous Doppler Weather Radar has been installed at Sriharikota (A.P.)

In order to assess the complete requirements of east and west coasts for continuous surveillance of high impact events like cyclones, a national Committee of experts has been constituted and the recommendations given have been suitably implemented.

(c) Cost of each Doppler Weather Radar is Rs. 12-15 crores approximately. Doppler Weather radar provides quantitative information about crucial meteorological parameters like wind and precipitation and also give large number of products which have direct applications in tracking of cyclones, thunderstorms, cloud bursts, wind shear, tornados etc. These events take heavy toll of life and property. The estimated loss in case of severe cyclones runs up to several thousands of crores of Rupees.

The radars are purchased using Central Government funds. There is no cost sharing by the State Governments.