

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:1937
ANSWERED ON:24.08.2007
DISASTER WARNING SYSTEM
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Will the Minister of EARTH SCIENCES be pleased to state:

- (a) the status of the disaster warning system in each state, as on date:
- (b) the amount spent for the purpose so far. State-wise;
- (c) whether the Government has taken the assistance/made collaboration with foreign fin this regard; and
- (d) if so. the details thereof?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES (SHRI KAPILSIBAL)

(a) There is no separate disaster warning system for individual states in the country, statuses of the disaster warning systems operated in various organizations of Ministry of Sciences (MoES) are given below:

(i) An interim Indian Ocean Tsunami Warning System (DTWS) developed at the Indian National Centre for Ocean Information Services (INCOIS), Hyderabad is functional for the last six months. The complete IOTWS is expected to be in place by September, 2007 with a defined system warning dissemination to concerned central and state level disaster management authorities.

(ii) A Three stage Cyclone Warning System is operational in India Meteorological Department (IMD). In the First Stage, known as 'Cyclone Watch', the genesis of a tropical cyclone is monitored based on satellite observations, from INSAT and other satellites, data from ocean buoys and numerical weather prediction models. In the second stage, a 'Cyclone Alert' is issued 36-48 hours prior to the commencement of adverse weather over a coastal belt. In the third stage, 'Cyclone Warnings' are issued 24-36 hours before the landfall of cyclone over a region. When the systems come nearer to the Indian coastline, their subsequent development and movement is monitored by a network of Cyclone Detection Radars, set up by IMD to cover the entire coastal belt. The likely movement of the storms is predicted with the help of prediction models and final assessment of track, intensity and landfall is made.

(iii) India Meteorological Department (IMD) monitors river sub-catchment rainfall scenario based on rainfall data of IMD. Central Water Commission (CWC) and state governments Quantitative Precipitation Forecasts (QPF) are provided to CWC for the purpose of forecasting and warnings..

b) Does not arise as warning systems are not implemented state-wise

c) No, Sir.

d) Does not arise