

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

**RAJYA SABHA
UNSTARRED QUESTION NO. 1717**

TO BE ANSWERED ON THURSDAY, FEBRUARY 06, 2014

EARLY WARNING SYSTEM

1717. SHRI C.M. RAMESH:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Ministry has formulated any plan for early warning system of floods across the country; and;
- (b) if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG &
PENSIONS AND IN THE PRIME MINISTER'S OFFICE
(SHRI V.NARAYANASAMY):

- (a) No Sir.
- (b) Indian Space Research Organisation (ISRO) / Department of Space (DOS) has conducted pilot projects in Assam and Andhra Pradesh for developing methodology for forecasting flood events using aero-space based inputs. The North Eastern Space Applications Centre (NESAC) is carrying out the Flood Early Warning System (FLEWS) as an R&D project in 15 districts of Assam in association with Assam State Disaster Management Authority (ASDMA). The flood forecasting methodology developed for Godavari basin in Andhra Pradesh by National Remote Sensing Centre (NRSC) is transferred to Central Water Commission (CWC), Hyderabad. Models developed under both of these projects are terrain specific and in addition to satellite based inputs, in-situ data on rainfall and river discharge at critical points is also required.

The Central Water Commission (CWC), Ministry of Water Resources is mandated for flood forecasts in India and Department of Space has not formulated any plan for early warning system for flood across the country.
