

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION No. 2648
TO BE ANSWERED ON WEDNESDAY, JANUARY 03, 2018
MONSOON MISSION**

2648. SHRI DUSHYANT CHAUTALA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Government has implemented Monsoon Mission programme with state-of-the-art dynamical prediction systems for seasonal forecasts and improve the skill of monsoon forecasts in the country;**
- (b) if so, the details thereof and whether the programme is being implemented with the aim to help the farming sector in deciding agricultural operations and water reservoir management; and**
- (c) if so, the details thereof and the financial allocation made by the Government under this programme?**

ANSWER

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

- (a) Yes Madam.**
- (b-c) Under the National Monsoon Mission initiative, the Indian Institute of Tropical Meteorology (IITM), Pune, Indian National Centre for Ocean Information Services (INCOIS), Hyderabad and National Centre for Medium Range Weather Forecasting (NCMRWF), NOIDA have embarked upon to build a state-of-the-art coupled ocean atmospheric model for a) improved prediction of monsoon rainfall on extended range to seasonal time scale (16 days to one season) and b) improved prediction of temperature, rainfall and extreme weather events on short to medium range time scale (up to 15 days) so that forecast skill gets quantitatively improved further for operational services of India Meteorological Department (IMD). For the first time, India Meteorological Department used the Monsoon Mission dynamical model to prepare operational seasonal forecast of 2017 monsoon rainfall over India.**

IMD in collaboration with Indian Council of Agricultural Research (ICAR) provides district level agro meteorological advisories to farmers through 130 agromet field units. Currently, about 22 million farmers are receiving crop specific agro-meteorological advisories in vernacular languages. These advisories are used for critical farm operations Viz. (i) Management of sowing (Delayed onset of rains); (ii) Changing crop variety (Delay in rainfall); (iii) Spraying Pesticides for disease control (occurrence of rainfall); (iv) Managing Irrigation (Heavy rainfall Forecast).

India Meteorological Department (IMD) provides meteorological support to the Central Water Commission (CWC) for issuing flood warnings

The allocation for the Monsoon Mission for the period 2012-17 was Rs. 400.00 crores and for the period 2017-20 is Rs 151 crores.
