

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:626
ANSWERED ON:27.04.2016
Dynamic Models for Monsoon Forecast
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Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Government proposes a National Mission on Monsoon to develop reliable dynamic models for forecasting monsoon in the country;
- (b) if so, the details thereof; and
- (c) the difference between the existing models and the proposed new ones?

Answer

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

- (a) Yes Madam.
- (b) Government has been implementing the National Monsoon Mission to develop a state-of-the-art dynamical coupled ocean-atmospheric climate 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).
- (c) The present long range forecast system based on the statistical models has shown some useful skill in predicting all India seasonal rainfall. However, in order to overcome the limitations of the statistical models used so far, dynamical coupled ocean-atmospheric model framework is put under exhaustive performance evaluation under the National Monsoon Mission.