

GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
**RAJYA SABHA**  
UNSTARRED QUESTION No. 36  
TO BE ANSWERED ON MONDAY, AUGUST 05, 2013

**CLIMATE MODEL**

**36. SHRI S. THANGAVELU:**

Will the Minister of **EARTH SCIENCES** be pleased to state:

- (a) whether it is a fact that India must develop a climate model;
- (b) if so, the details thereof;
- (c) whether it is a fact that the country is using its model mainly for predicting the monsoon; and
- (d) if so, the details thereof?

**ANSWER**

MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND  
MINISTRY OF EARTH SCIENCES  
(SHRI S. JAIPAL REDDY)

- (a) Yes Sir.
- (b) Government has launched the National Monsoon Mission to set up a state-of-the-art 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) Yes Sir.
- (d) At present operational extended range to seasonal forecasts are prepared using statistical methods which have constraints and limitations. Experimental forecasts from the research version of the climate model are generated and its performance is regularly evaluated with that of the existing models since 2011 apart from building focused R & D efforts to improve the model.

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