

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:504

ANSWERED ON:28.07.2010

MONSOON PREDICTION

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Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the monsoon in several parts of the country during the month of June, 2010 is below normal;
- (b) if so, the States most affected by insufficient monsoon;
- (c) whether the prediction of monsoon this year has not been accurate; and
- (d) if so the steps taken by the Government for accurate prediction of monsoon?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) MINISTRY OF SCIENCE AND TECHNOLOGY, MINISTRY OF EARTH SCIENCES, MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE, MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI PRITHVIRAJ CHAVAN)

(a) Yes Madam. By the end of June 2010, 14 out of 35 States/Union territories (UTs) in India have experienced deficient rainfall (-20% of departure from normal rainfall or more).

(b) Among the 14 deficit monsoon rainfall States/UTs, 7 of them are the most affected States/UTs, where departure from normal rainfall is seen to be -45% or more

S. No. State % Departure of rainfall
from normal

1	Jharkhand	-45
2	Uttar Pradesh	-75
3	Haryana	-52
4	Delhi	-81
5	Madhya Pradesh	-55
6	Diu (UT)	-46
7	Chhattisgarh	-52

(c)-(d) The monsoon rainfall prediction for the country as a whole is given that spans over the four month period, from June to September every year and the same practice is followed for Monsoon-2010 as well. Updated seasonal monsoon rainfall outlook is given only after the mid-term review is completed after analyzing the rainfall scenario till the end of July 2010. The accuracy of the seasonal monsoon rainfall forecast assessment will, however, emerge only by the end of September, 2010.

Continuous efforts are made to improve the monsoon rainfall predictions in various temporal scales (short range-up to 3 days, medium range - up to 10 days and long range - beyond 10 days) under various R & D initiatives by developing/testing advanced observational data assimilation and forecasting tools/models.