

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:4256
ANSWERED ON:04.05.2007
LA NINA WEATHER ANOMALY
Vallabbhaneni Shri Balashowry

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether La Nina weather anomaly is likely to form in the pacific region;
- (b) if so, the extent to which it is likely to affect the weather conditions in India;
- (c) whether monsoon is likely to have any impact from this anomaly; and
- (d) if so, the details thereof?

Answer

MINISTER OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES (SHRI KAPIL SIBAL)

(a) Yes, Sir. According to the predictions made by major international climate prediction centers, the La Nina conditions are likely to form over the equatorial Pacific region during the next few months.

(b) The relationship between La Nina conditions and day to day weather conditions over India has not been fully established. However, during the La Nina years, normal to above normal monsoon rainfall over India are expected. However, this is not the only parameter affecting summer monsoon and other parameters also contribute.

(c)&(d) There is generally good relationship between La Nina conditions and monsoon rainfall over India during the southwest monsoon season (June to September). During the La Nina years, normal to above normal rainfall is expected and development of all-India drought conditions can be generally ruled out.

In the past 106 years (1901-2006), there were 20 La Nina events. In most of these events, monsoon rainfall was either normal or excess. Only on two occasions (1928 and 1999), monsoon rainfall was below average but within normal range.