

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:1670
ANSWERED ON:07.03.2013
IMPACT OF CLIMATE CHANGE
Pangi Shri Jayaram

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the climate change in polar regions have impacts on Indian monsoon;
- (b) if so, the details thereof;
- (c) whether the Union Government have any plans to study the same; 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 Madam.

(b) The Arctic and Antarctic regions are known to be very sensitive to global climate change. Hence, it is highly desirable to improve our understanding of how they respond to climate change, and how those responses in turn affect both regional and global climate. Hence, it is perceived that the Polar Regions can potentially display climate diversity in various spatial and temporal scales, which ultimately affects the monsoon weather and climate over the Indian sub-continent.

(c) Yes Madam.

(d) Emphasizing the need for building an expanded monitoring of climate change, as well as building appropriate R & D efforts on the possible responses and feedbacks of the Polar Regions to climate change, a research study has been formulated. In order to engage the international science community on these activities, a concept note was prepared and discussed during the Belmont Forum (a group of the world's major and emerging economies and funders of global environmental change research and international science councils) meeting held in New Delhi during 27-28 February, 2013.