

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

STARRED QUESTION NO:269

ANSWERED ON:31.08.2007

STUDY ON CHANGES IN WEATHER

Dhotre Shri Sanjay Shamrao;Gawali Smt. Bhavana Pundlikrao

Will the Minister of EARTH SCIENCES be pleased to state:

(a) whether the Government has set up any centre to undertake any study regarding the recent changes occurred in the pattern of weather; and

(b) if so, the details thereof?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES (SHRI KAPIL SIBAL)

(a & b) No, Sir.

However, a Brainstorming meeting was held on June 1, 2007 to discuss need to undertake systematic research on changes that are happening, and likely to happen, over the Indian region along with their linkages to the global changes. This meeting was attended by leading experts working on climate change and representatives from all the concerned Ministries. Non-governmental organizations, and academic and scientific institutions were also represented.

The meeting recognized that there are important science issues related to climate change that require to be addressed on priority, and recommended for the launch of a coordinated research program on climate change. As a major part of this program, the meeting suggested for the establishment of a dedicated Centre to undertake research on Science aspects of Climate Change at Indian Institute of Tropical Meteorology (IITM), Pune.

On the otherhand, the National Climate Centre(NCC), Pune of India Meteorological Department(IMD) has been working on analysing the changes in the weather patterns on monthly and seasonal scale. NCC regularly monitors the changes in the monthly, seasonal and annual weather and climate patterns over the Indian region and publishes monthly, seasonal and annual climate diagnostic bulletins. These publications present maps of mean patterns of weather elements such as temperature, rainfall, wind, pressure, outgoing long wave radiation etc over the Indian region at different temporal and spatial scales and discuss the dynamics of the changes in the weather patterns.

NCC also conducts research work on long term changes in various climate elements such as rainfall, temperature, extreme weather etc. For this purpose long time series of climate data available in the data archive of IMD are used.