

**GOVERNMENT OF INDIA
ENVIRONMENT AND FORESTS
LOK SABHA**

UNSTARRED QUESTION NO:1586

ANSWERED ON:03.12.2012

IMPACT OF GLOBAL WARMING

Agarwal Shri Jai Prakash;Amlabe Shri Narayan Singh;Nagar Shri Surendra Singh;Rajaram Shri Wakchaure Bhausahab

Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

- (a) whether India is likely to be affected most adversely by global warming;
- (b) if so, the details thereof;
- (c) whether the Government proposes to constitute any Expert Advisory Committee on global warming;
- (d) if so, the details thereof;
- (e) whether the Government has made any survey or assessment and identified the places which are likely to be affected alongwith its impact on agricultural sector;
- (f) if so, the details thereof; and
- (g) the steps taken by the Government to keep check on global warming?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT AND FORESTS (SHRIMATI JAYANTHI NATARAJAN)

(a) & (b) Scientific studies in regard to the impacts, vulnerability and adaptation to climate change for the Indian context have been made under the India's National Communication submitted to the United Nations Framework Convention on Climate Change (UNFCCC) in May 2012. The studies project changes in temperature, sea level and precipitation patterns due to climate change which is likely to have adverse impacts on various sectors such as water resources, agriculture, forests, natural eco-systems, coastal zones, health, energy and infrastructure.

(c) & (d) An expert committee has been set up in 2007 under the Chairmanship of the Principal Scientific Adviser to the Government of India to assess the impacts of climate change on various sectors e.g. agriculture, methane emissions from livestock, coastal zone, health, water resources, forests and natural ecosystem.

(e) & (f) A study to assess the impact of climate change on four key sectors of Indian economy, namely Agriculture, Natural Ecosystems & Biodiversity, Water and Human Health in four climate sensitive regions of India namely the Himalayan region, the Western Ghat, the Coastal Area and the North-East region, has been undertaken and a report titled "Climate Change and India: 4X4 Assessment - A Sectoral and Regional Analysis for 2030s" was published in 2010 by the Ministry of Environment and Forests, Government of India. The report has assessed impacts of climate change on four sectors including Agriculture, and projects a variable rate of change in agriculture production including losses in some crops such as mustard, peas, tomatoes, onion, wheat, sorghum, rice and garlic.

(g) The Government has released National Action Plan on Climate Change (NAPCC) on June 30, 2008 that outlines eight missions in specific areas of solar energy, enhanced energy efficiency, sustainable habitat, water, sustaining Himalayan ecosystems, green India, sustainable agriculture and strategic knowledge for climate change.