

**GOVERNMENT OF INDIA
ENVIRONMENT, FORESTS AND CLIMATE CHANGE
LOK SABHA**

UNSTARRED QUESTION NO:955
ANSWERED ON:16.07.2014
GLOBAL WARMING
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Will the Minister of ENVIRONMENT, FORESTS AND CLIMATE CHANGE be pleased to state:

- (a) whether global warming is threatening the very survival of human beings;
- (b) if so, the details thereof along with the estimated average increase of temperature over a period of time;
- (c) whether the Government has conducted any study to assess the impact of global warming/rising temperature on environment and human beings;
- (d) if so, the findings thereof; and
- (e) the measures taken or being taken by the Government to address the threat posed by global warming?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT, FORESTS AND CLIMATE CHANGE (SHRI PRAKASH JAVADEKAR)

(a) and (b) According to the Assessment Reports of the Intergovernmental Panel on Climate Change (IPCC), the impact of global warming on human system is through changing weather patterns and indirectly through changes in water, air, food quality and quantity, ecosystems, agriculture, economy and increase in the incidents of vector-borne diseases. The latest report also reveals that in the absence of vigorous mitigation efforts global surface temperature change at the end of the 21st century is likely to exceed 2°C compared to the pre-industrial times.

(c) and (d) A study to assess the impact of climate change on four key sectors of Indian economy, namely agriculture, water, natural ecosystems & biodiversity and health in four climate sensitive regions of India, namely the Himalayan region, the Western Ghats, the Coastal Area and the North-East Region has been conducted and a report titled "Climate Change and India: A 4X4 Assessment - A Sectoral and Regional Analysis for 2030s" was published in 2010. The study projects an overall warming, increase in precipitation with variable water yield, change in the composition of the forests, spread of Malaria in new areas and threats of its transmission for longer duration, which are likely to cause adverse impact on the lives of human beings.

(e) Government is implementing the National Action Plan on Climate Change (NAPCC) since June 30, 2008. NAPCC includes eight National Missions in specific areas of Solar Energy, Enhanced Energy Efficiency, Sustainable Habitat, Water, Sustaining the Himalayan Eco-system, Green India, Sustainable Agriculture and Strategic knowledge for Climate Change.