

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

UNSTARRED QUESTION NO:2849  
ANSWERED ON:12.12.2011  
GLOBAL WARMING  
Raghavan Shri M. K.

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

- (a) whether global warming is causing shrinking of eco-system;
- (b) if so, whether the Government is aware that this phenomenon is affecting crops like cotton, corn, strawberry etc. and small animals and birds;
- (c) if so, whether the Government has conducted any study to analyse this effect on human beings and livestock; and
- (d) if so, the outcome of the survey along with the action taken thereon?

**Answer**

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

- (a) to (c) The fourth Assessment Report of Intergovernmental Panel on Climate Change (IPCC), 2007 projected major changes in ecosystem structure and function. Indian Council for Agriculture Research (ICAR) also conducted a research programme to study the impact of climate change and global warming on agriculture crops, horticulture, forests, livestock, fishery etc., in 2004. The study indicates that rise in temperature will have effect on crops, horticulture, water resources, livestock and fisheries sectors.
- (d) A study report titled "Climate Change and India: 4X4 Assessment - A Sectoral and Regional Analysis for 2030s" published by the Ministry of Environment and Forests, Government of India in 2010, projected increase of transmission of malaria in human being and is likely to spread in new areas. In order to address this issue, a National Rural Health Mission is already in place. Task Force Groups have been set up in the Indian Council of Medical Research to undertake studies on vector borne diseases, respiratory diseases and air pollutants and eye health and environment.