

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

UNSTARRED QUESTION NO:77  
ANSWERED ON:01.08.2011  
CHALLENGES DUE TO CLIMATE CHANGE  
Singh Alias Pappu Singh Shri Uday

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

- (a) whether a recent report submitted by the Government to U.N. Climate Panel has found that more than half of the country is vulnerable to climate change that can possibly lead to large-scale agriculture and livelihood problems;
- (b) if so, the details of recommendations made therein;
- (c) whether the Government proposes to take any effective steps to face various challenges posed due to climate change; and
- (d) if so, the details thereof?

**Answer**

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

(a) & (b) A Report on "Climate Change and India: A 4x4 Assessment a Sectoral and Regional Analysis for 2030s" has been published in November, 2010. However, the report has not been submitted to United Nations Climate Panel. The Report has projected the likely impact of climate change on temperature, precipitation, extreme events, sea-level rise, agriculture, eco-system and bio-diversity, water and human health in four regions, namely Western Ghats, Himalayan region, North-Eastern region and Coastal region. The assessment brings out vulnerability of these regions to the adverse impact of climate change. The Report does not have any specific recommendations. However, the information generated in the report and assessments made therein are utilized by appropriate agencies of the government including the nodal ministries for effective implementation of activities under National Action Plan on Climate Change.

(c) & (d) Government is aware of various challenges posed due to climate change and has come up with National Action Plan on Climate Change (NAPCC) which outlines steps to enable the country to adapt to climate change and enhance the ecological sustainability of our development path. Eight 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 are being implemented by the nodal ministries to address vulnerability to climate change and enhance capacity at the Central and State level to respond to climate change.