

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

UNSTARRED QUESTION NO:171

ANSWERED ON:05.08.2013

STUDY REPORT ON CLIMATE CHANGE

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

(a) whether a recent study report has brought out the fact that South Asia including India will face sudden and irregular recurrence of calamities like floods in future due to climate change;

(b) if so, the details thereof; and

(c) the reaction of the Government thereto?

Answer

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

(a) and (b) As per the World Bank report titled "Turn Down the Heat: Climate Extremes, Regional Impacts, and the Case for Resilience" published in June 2013, projects that a scenario of 4o C rise in global temperature, would result in increased climate extreme events such as heat waves, sea level rise, more storm surges, droughts and flooding in the South Asian region including India. The coastal and deltaic regions of India are reported to be particularly vulnerable to the risks of flooding including two Indian cities of Mumbai and Kolkata. The Ganges, Indus, and Brahmaputra are also vulnerable to the effects of climate change due to the melting of glaciers and loss of snow cover resulting in significant risk of flooding.

(c) Recognising the challenges of Climate Change, Government has released the National Action Plan on Climate Change (NAPCC) on June 30 2008 with a view to enhance the ecological sustainability of India's development path. NAPCC includes eight National Missions in specific areas of Solar Energy, Enhanced Energy Efficiency, Sustainable Habitat, Water, Sustaining the Himalayan Ecosystem, Green India, Sustainable Agriculture and Strategic knowledge for Climate Change. State Governments have also been requested to prepare the State Action Plan on Climate Change to address State specific issues.