

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

UNSTARRED QUESTION NO:2590
ANSWERED ON:10.12.2012
CLIMATE CHANGE VULNERABILITY INDEX
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Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

- (a) whether as per the fifth Annual Report of the Maple Craft Climate Change Vulnerability Index (CCVI), some of the major cities of India are listed among the top 20 are going to be effected in future with dangers such as droughts, cyclones, water crises etc.;
- (b) if so, the details thereof including the reaction of the Government thereto; and
- (c) the action plan being chalked out by the Government in this regard?

Answer

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

(a) and (b) As per the Maplecroft Climate Change Vulnerability Index (CCVI) developed under a private initiative, Kolkata is ranked 7th amongst the seven cities regarded as being exposed to extreme risk of changing temperatures and weather systems. Mumbai and Delhi are ranked 8th and 20th respectively amongst 19 high risk cities wherein pressure on country's water resources is likely to increase posing risks of drought and water crisis.

(c) Government of India is aware of the implications of climate change and vulnerability of various regions and communities to its adverse effects. Government has implemented the National Action Plan on Climate Change (NAPCC) which includes National Missions in several areas including Water, Sustainable Agriculture and Sustainable Habitat. The National Water Mission aims at conserving water, minimizing wastage and ensuring its more equitable distribution. The National Mission on Sustainable Agriculture aims at protecting water resources for sustainable production of food. The National Mission on Sustainable Habitat includes, inter alia, activities for managing coastal zone. NAPCC also includes initiatives for Disaster Management Response to Extreme Climate Events and Protection of Coastal Areas.

The Coastal Regulation Zone Notification was published in 2011 with an aim of protecting livelihoods of fisher folk communities, preservation of ecology and promotion of economic activity in coastal areas. Further, Government has initiated, with the assistance of the World Bank, a project on 'Integrated Coastal Zone Management Plan' for mapping of a hazard line along the coastal areas of the country taking into account the sea level rise due to climate change and other parameters such as, shoreline change, tides and wave.