

**GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA**

STARRED QUESTION NO:360

ANSWERED ON:18.08.2010

IMPACT OF CLIMATE CHANGE ON WATER RESOURCES

Antony Shri Anto; Ram Shri Purnmasi

Will the Minister of WATER RESOURCES be pleased to state:

- (a) whether the Central Water Commission, the Central Ground Water Board, the Brahmaputra Board and the National Institute of Hydrology have commissioned studies to assess the impact of climate change on water resources;
- (b) if so, the details thereof including progress made thereunder; and
- (c) the follow-up action proposed to be taken by the Government in this regard?

Answer

THE MINISTER OF PARLIAMENTARY AFFAIRS AND WATER RESOURCES (SHRI PAWAN KUMAR BANSAL)

(a) to (c): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (c) OF STARRED QUESTION NO.360 TO BE ANSWERED IN LOK SABHA ON 18-08-2010 REGARDING IMPACT OF CLIMATE CHANGE ON WATER RESOURCES

(a) to (c): Ministry of Water Resources (MoWR) has constituted a "Standing Committee for Assessment of Impact of Climate Change on Water Resources" under the Chairman, Central Water Commission (CWC) and studies related to impact of climate change on water resources have been taken up jointly by National Institute of Hydrology (NIH), CWC, Central Ground Water Board (CGWB) and Brahmaputra Board with participation of Indian Institute of Technology (IIT), Guwahati, IIT, Kanpur, IIT, Kharagpur and IIT, Roorkee and National Institute of Technology (NIT), Patna and NIT, Srinagar. A "Preliminary Consolidated Report on Effect of Climate Change on Water Resources" has been brought out by NIH and CWC. A list of studies undertaken by NIH is annexed. Important findings of the studies completed by NIH are also indicated in the Annexure. Studies have also been undertaken by Indian Institute of Science (IISc), Bangalore on "Assessment of Water Resources under Climatic Scenario of the River Basin Scales". CWC has undertaken pilot studies for water assessment of Godavari and Brahmani – Baitarani jointly with National Remote Sensing Centre, Hyderabad. Central Ground Water Board has also initiated studies on impact of climate change on ground water regime covering parts of Bihar, Uttarakhand and Rajasthan.

The Standing committee for "Assessment of Impact of Climate Change on Water Resources" also coordinates the activities related to research and studies in respect of impact of climate change on water resources with all other organizations / agencies and reviews the progress from time to time.