

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

UNSTARRED QUESTION NO:601
ANSWERED ON:08.07.2009
EFFECT OF GREEN HOUSE GASES ON CLIMATE
Thakor Shri Jagdish

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

- (a) Whether emission of green house gases is causing change in climate and increase in temperature in the country;
- (b) If so, the details thereof ; and
- (c) the effective measures undertaken by the Government to check the emission of green house gases?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT AND FORESTS(SHRI JAIRAM RAMESH)

(a) & (b) The concentrations of green house gases in the atmosphere are leading to global warming. The analysis of data for the period 1901-2008 by IMD suggests that annual mean temperature for the country as a whole has risen by 0.52°C over the period. Spatial pattern of trends in the mean annual temperature shows significant positive (increasing) trend over most parts of the country except over parts of Rajasthan, Gujarat and Bihar, where significant negative (decreasing) trends were observed.

(c) India is signatory to the United Nations Framework Convention on Climate Change (UNFCCC) and its Kyoto Protocol, and also has various partnerships with other countries under the UNFCCC. While India does not have any Green House Gases (GHG) abatement commitments under the Kyoto Protocol, a range of policies and programs have been followed that include:

- i) Improving energy efficiency & conservation as well setting up of Bureau of Energy Efficiency
- ii) Power sector reforms
- iii) Promoting hydro and renewable energy
- iv) Promotion of clean coal technologies
- v) Coal washing & efficient utilization of coal
- vi) Afforestation and conservation of forests
- vii) Reduction of gas flaring
- viii) Use of cleaner and lesser carbon intensive fuel for transport
- ix) Encouraging Mass Rapid Transport systems
- x) Environmental quality management

These measures help achieve better energy intensity while addressing climate change as co-benefit.