

(b) whether Government has examined the pollution level of these rivers by sending a Central team to Assam;

(c) whether Government is formulating any action plan to eradicate the problem of pollution of Burhidihing and Brahamaputra; and

(d) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRIMATI JAYANTHI NATARAJAN): (a) and (b) The Central Pollution Control Board (CPCB), based on their monitoring, have identified polluted river stretches and water bodies of the country. According to this, four rivers from Assam namely; Bharalu, Kalong, Deeper Bill and Burhidihing have been found to be polluted.

(c) and (d) The Government of Assam had submitted project proposals for pollution abatement of Bharalu and Kalong rivers at an estimated cost of Rs. 223 crores and Rs. 74.86 crores respectively to the National River Conservation Directorate (NRCD). These proposals were examined and returned to the Government of Assam with comments and observations.

Study on impact of climate change

32. SHRIMATI NAZNIN FARUQUE: Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) whether Government has made any study on the impact of climate change including changing monsoon pattern and the manner in which the countries agriculture sector is affected; and

(b) if so, the details thereof ?

THE MINISTER OF STATE OF THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRIMATI JAYANTHI NATARAJAN): (a) and (b) There is no conclusive evidence to attribute all observed weather and climate variability to the increased concentrations of Green House Gases (GHGs) and associated global warming and their projections for the future. However, gradual increasing trend in respect of surface temperature (maximum and minimum) across the globe is found to be in line with the rise of GHGs over the recent decades. Daily mean temperature over the country is found to be increasing more or less at the same rate as the globe mean (0.52° C since 1901). 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.

Further, a study to assess the impact of climate change on four sectors in four region of India has been undertaken and a report titled "Climate Change and

India: 4x4 Assessment – A Sectoral and Regional Analysis for 2030s” was published in 2010 by Ministry of Environment and Forest, Government of India. The report has assessed impacts of climate change on four sectors including Agriculture, and projects a variable rate of change in agriculture production including losses in some crops such as mustard, peas, tomatoes, onion and garlic.

Urban garbage waste management system

33. SHRI PARSHOTTAM KHODABHAI RUPALA: Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) the details of steps taken by Government in coordination with State Governments to adopt scientific urban garbage waste management system to tackle sharp rise in urban garbage to avoid soil pollution and water pollution as there is lack of proper infrastructure in this regard; and

(b) the quantum of fund allocated during the last three years and in the process to allocate to the State Government of Gujarat in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRIMATI JAYANTHI NATARAJAN): (a) and (b) Ministry of Environment and Forests has notified Municipal Solid Wastes (Management & Handling) Rules, 2000 and the Plastic Waste (Management and Handling) Rules, 2011, to ensure proper collection, storage, segregation, transportation, processing and disposal of municipal solid waste including plastic waste. Government of Gujarat has constituted a nodal agency, namely Gujarat Urban Development Company Ltd. (GUDCL) for development of infrastructure for treatment, transportation and disposal of municipal solid waste. The concept of common landfill for a cluster of towns/cities has been adopted in the State for treatment and disposal of the municipal solid waste. The GUDCL has identified 17 cluster for such Regional Landfill sites in the State. The Gujarat Pollution Control Board has conducted a series of seminars, workshops and group meetings with local bodies to create awareness about the provisions of the Municipal Solid Wastes (Management and Handling) Rules, 2000. It has also initiated steps for use of municipal solid waste in co-processing in cement manufacturing industries. In the last three years, Ministry of Environment and Forests has released an amount of Rs. 70 Lakhs to Gujarat for the project on modernization of solid waste management practices in 12 cities and town of Ahmedabad Urban Development Authority (AUDA) area.

Nira-Deogarh project at Satara district, Maharashtra

†34. DR. YOGENDRA P. TRIVEDI: Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) whether the State Government of Maharashtra has sent a demand to the

†Original notice of the question was received in Hindi.