

(a) whether Government is taking strict steps by enacting an effective law, to stop the cutting of trees and forest areas; if so, the details thereof;

(b) the details of the steps Government has taken so far, to protect the forests and wildlife in Pilibhit and the number of wild animals like lions, cheetah, etc. therein; and

(c) the details of the action initiated against the forest mafia, so far, and the number of persons identified amongst them?

THE MINISTER OF STATE OF THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI JAIRAM RAMESH): (a) Strict enforcement of the Indian Forests Act, 1927, the Forest (Conservation) Act, 1980 and the Wildlife (Protection) Act, 1972 enables prevention of cutting of trees and forest areas. In addition, the State Government of Uttar Pradesh has enacted Protection of Tree Act, 1976 to regulate felling of trees in rural areas. No new Central Act is presently being considered for enactment to prevent cutting of trees and forest areas.

(b) The State Government of Uttar Pradesh has established two forest divisions in Pilibhit with about 225 officers and employees for providing protection to the forests and wildlife by enforcing the Acts as mentioned above. As reported, there are no lions and cheetah in the forests of Pilibhit. As per the wild animal census of 2007 there are about 36 tigers, 6 leopards and a variety of ungulates in the forests of Pilibhit

(c) The State Government of Uttar Pradesh, with the help of various provisions of the above mentioned Acts and with the help of the Indian Penal Code, the Gangster Act, the National Security Act, etc., has taken action against 353 forest mafia during the year 2009-10 in the State.

#### **Threat of exodus by global warming**

□ 2433. SHRI BALAVANT ALIAS BAL APTE:

SHRI BHAGAT SINGH KOSHYARI:

SHRI PRABHAT JHA:

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

(a) whether Government is aware that India faces the largest threat of exodus from coastal areas due to threats of floods, drought and shortfall in agriculture productions posed by climate changes resulting from global warming;

(b) if so, the details thereof;

(c) whether this threat is likely to cause large scale migration from India's neighboring islands and from Bangladesh; and

(d) if so, the details thereof along with action plan being worked on by Government to tackle this problem?

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□Original notice of the question was received in Hindi.

THE MINISTER OF STATE OF THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI JAIRAM RAMESH): (a) to (d) Intergovernmental Panel on Climate Change (IPCC) in its 4th Assessment Report published in 2007 has reported that future climate change is expected to have considerable impacts on natural resource system. Changes in the natural environment can affect human sustenance and livelihoods. This in turn, can lead to instability often followed by displacement of people and changes in occupancy and migration patterns. However, there is no conclusive study on climate change impact on migration of people.

#### **Threats of global warming**

2434. SHRI N.R. GOVINDARAJAR: Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) whether the climate change committee of UN has expressed concern that if global warming is not checked in time, nearly 30 per cent species on the earth would become extinct;

(b) if so, the details thereof;

(c) whether millions of people are likely to face water crisis because of ground water and the melting of Himalayan glacier on the large scale would lead to heavy destruction in the Gangetic plain; and

(d) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI JAIRAM RAMESH): (a) and (b) The Intergovernmental Panel on Climate Change in its 4th Assessment Report published in 2007 has reported that approximately 20-30% of plant and animal species assessed so far are likely to be at increasingly high risk of extinction as global mean temperatures exceed a warming of 2-3 degree C above pre-industrial levels.

(c) and (d) Scientific studies reveal that ample reserve of ground water is available in the areas underlain by Indo-Gangetic alluvial plains in the country. In the event of global warming the rainfall pattern is projected to change which, in turn, will affect the availability of ground water in space and time, in general. The threat of global warming *inter alia* includes changes in river hydrology, increases debris production and siltation of river in down stream region.

#### **Adverse effects of air conditioners**

2435. SHRI RUDRA NARAYAN PANY: Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) whether Government have got any estimate of the total number of air conditioners in use in the country;

(b) the extent to which heat generated from these machines affects the atmosphere;

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[Original notice of the question was received in Hindi.