

(d) Various measures taken by the Government to augment power generation capacity through renewable sources of energy include:

- Fiscal and financial incentives such as, capital/interest subsidy/generation based incentive, accelerated depreciation, concessional excise and customs duties;
- Directives under Electricity Act 2003 to the states for fixing Renewable Purchase Obligation (RPO);
- Preferential tariff for grid interactive renewable power in potential States following the provisions made under the National Electricity Policy 2005 and National Tariff Policy 2006; Uniform guidelines by CERC for fixation of such preferential tariffs is being issued every year;
- Jawaharlal Nehru National Solar Mission to give a boost to deployment of solar energy systems, solar PV as well as solar thermal/achieve reduction in cost of solar power.
- Periodic review meetings with states to address any policy and regulatory issues and bottlenecks in expeditious completion of projects.

Contribution of renewable sources of energy

2738. SHRI AVINASH PANDE: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the net contribution of renewable forms of energy like solar energy, wind energy and geothermal energy to the total power generation during the last three financial years;

(b) the details of capacity addition done during the Eleventh Five Year Plan to the renewable sources of power generation;

(c) whether steps have been taken by Government to encourage the use of clean forms of renewable energy like solar energy, wind energy and geothermal energy;

(d) if so, the details thereof; and

(e) whether Government has taken steps to enforce and promote Clean Development Mechanism and if so, the details thereof?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) Grid-interactive power generation capacity of 7111.66 MW from wind power and 940.09 MW from solar power has been added in the country during the last 3 years. No capacity addition has taken place from Geothermal energy which is presently at research and development stage.

(b) Renewable power generation capacity addition of 14660.65 MW has taken place during the Eleventh Plan period. This comprises of 10259.60 MW wind

power, 1418.85 MW small hydro power, 1996 MW biomass power, 46.20 MW waste to power and 940 MW solar power.

(c) Yes, Sir.

(d) The Government has taken several steps and measures to encourage use of renewable energy systems/devices in the country which include the following :

- Provision of Fiscal and financial incentives such as, capital/interest subsidy/generation based incentive, accelerated depreciation, nil/concessional excise and customs duties; to improve projects viability.
- Directives under Electricity Act 2003 to all States for fixing a minimum percentage for purchase of electricity from renewable energy sources;
- Preferential tariff for grid interactive renewable power in most potential States following the provisions made under the National Electricity Policy 2005 and National Tariff Policy 2006; Uniform guidelines by CERC for fixation of such preferential tariffs being issued every year;
- Launching of Jawaharlal Nehru National Solar Mission to give a boost to deployment of solar energy systems, solar PV as well as solar thermal/achieve reduction in cost of solar power.
- Support for sector specific seminars/workshops/training programmes.
- Publicity and awareness campaigns regarding the use of renewable energy systems/devices through print, postal electronic media and exhibitions.

(e) A National Clean Development Mechanism has been set up to accord host country approval for the CDM projects.

Wind energy generation capacity

2739. SHRIMATI KANIMOZHI: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the details of country's total current wind energy capacity generation, State-wise;

(b) the details of country's total potential for wind energy-onshore and offshore; and

(c) whether there is sufficient transmission capacity to keep pace with the growth of this sector and if so, the details thereof?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) A total wind power capacity of 17,353 MW has been installed in the country so far. State-wise details are given in Statement-I (See below).