

**GOVERNMENT OF INDIA  
NEW AND RENEWABLE ENERGY  
LOK SABHA**

UNSTARRED QUESTION NO:3673

ANSWERED ON:14.12.2012

POWER GENERATION FROM RENEWABLE ENERGY SOURCES

Muttemwar Shri Vilas Baburao;Shankar Alias Kushal Tiwari Shri Bhisma

**Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:**

- (a) the total potential of power generation from renewable energy sources in the country, source-wise and State-wise;
- (b) the share of renewable energy to the total installed power generation capacity from all sources in the country, percentage and MW-wise;
- (c) whether the Government proposes to generate 35 giga watt additional power through various renewable energy sources in the country;
- (d) if so, the details thereof; and
- (e) the measures taken/being taken by the Government in this regard?

**Answer**

MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a): The potential of power generation from various renewable energy sources in the country is estimated as below:

Source    Gigawatt (GW)

Solar    100 GW

Wind    49 GW

Small Hydro 20 GW

Bio-Energy 25 GW

State-wise details thereof, are given in the Annexure.

(b): As on 31.10.2012, the total installed capacity of power generation in the country is 2,10,544 MW. This includes 26,267 MW from various renewable energy sources. The contribution of renewable energy is about 12.45% in the total installed capacity

(c)&(d): A target of 30 GW grid interactive renewable power capacity addition, comprising 15 GW from wind, 10 GW from solar, 2 GW from small hydro and 3 GW from biomass has been proposed for the Twelfth Five Year plan period.

(e): The Government has taken several steps to increase power generation capacity of renewable energy sources. These include:

# Fiscal and financial incentives, such as, capital/ interest subsidy, accelerated depreciation, concessional excise and customs duties;

# Preferential tariff for grid interactive renewable power in most potential States.

# A minimum percentage for purchase of electricity by distribution companies from renewable energy sources.

# Guidelines by CERC to SERCs for fixation of preferential tariffs.

# Jawaharlal Nehru National Solar Mission to give a boost to deployment solar photovoltaic as well as solar thermal systems.