

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

UNSTARRED QUESTION NO:4730

ANSWERED ON:18.12.2009

POTENTIAL OF RENEWABLE ENERGY SOURCES

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

(a) the details of potential of power generation from the new and renewable energy sources in the country, source-wise and State/UT-wise; and

(b) the steps being taken/proposed to be taken by the Government to realize the full potential of power generation from these sources?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a): A potential of around 90,000 MWeq for energy/power generation from different renewable energy sources (excluding solar) in the country has been estimated which include 48561 MW from wind, 14,294 MW from small hydro and 26376 from biopower. The potential of solar energy is estimated for most parts of the country at around 20MW per square kilometer of open, shadow free area covered with solar collectors. Source-wise and state-wise details of estimated potential are given at Annexure.

(b): The steps and measures taken by the Government to promote renewable power generation in the country include the following:

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

Generation based incentives for Wind Power;

Preferential tariff for grid interactive renewable power in most potential States;

Benefit under Section 80-1A of Income Tax Act 1961 to undertakings setup for the generation and distribution of renewable power;

Directives under Electricity Act 2003 to all States for fixing a minimum percentage for purchase of power from renewable energy sources