

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

STARRED QUESTION NO:193

ANSWERED ON:06.08.2010

POWER GENERATION FROM RENEWABLE ENERGY SOURCES

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

- (a) the power generated from various new and renewable sources of energy in the country during each of the last three years and the current year; source-wise and State-wise;
- (b) the details of the financial and other incentives alongwith the subsidy provided for various renewable energy projects in the country during the aforesaid period; State-wise;
- (c) whether the Government is providing technological support or facilitating transfer of technology for the development of these sources of energy in the country;
- (d) if so, the details thereof; and
- (e) the fresh initiatives taken/being taken by the Government for promoting these sources of energy in the country?

Answer

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

(a),(b),(c),(d)&(e): A Statement is laid on the Table of the House.

STATEMENT

Statement referred to in reply to parts (a),(b),(c),(d) & (e) of the Lok Sabha Starred Question No. 193 for answer on 06.08.2010 regarding Power Generation from Renewable Energy Sources

(a) : State-wise, resource-wise and year-wise details of cumulative renewable power generation capacity set up in the country and the actual/ estimated annual electricity generation from the same during the last three years i.e. 2007-08, 2008-09 and 2009-2010 and current year 2010-11 (as on 30.06.2010) are given in Annexure-I.

(b) : State-wise details of Central Financial Assistance/ Subsidy provided for various renewable energy projects during 2007-08, 2008-09 and 2009-2010 and current year 2010-11 (as on 30.06.2010) are given in Annexure-II. In addition, fiscal incentives such as concessional customs and excise duties, 80% accelerated depreciation and 10 year tax holiday on revenue from sale of renewable power can be availed for such projects. Preferential tariff for grid-interactive renewable power is also being provided in most potential States.

(c) & (d): The Ministry has set up specialized technical institutions for providing necessary technological support for development of renewable energy. The Solar Energy Centre, which is a part of the Ministry, acts as the technical focal point for solar energy sector and the Centre for Wind Energy Technology (C-WET), an autonomous institution of the Ministry, is the technical focal point for the wind energy sector. The Alternate Hydro Energy Centre set up at IIT, Roorkee provides technical services in small hydro power sector. Further, the Ministry has an R&D scheme wherein financial support ranging from 50-90% of project cost is provided for collaborative Research, Design, Development and Demonstration projects in association with Industry. The Government already has an attractive policy in place to encourage transfer of foreign technologies, including those in renewable energy sector, wherein foreign technology induction is encouraged both through FDI and Foreign technology collaborations are permitted in general through the automatic approval route except in specified cases requiring Government consideration.

(e) : The Government has taken several fresh initiatives in recent past for promotion of renewable energy sources throughout the country. These include the following:

- # New Scheme Generation Based Incentives Scheme for Wind Power to attract private investment by Independent Power Producers not availing Accelerated Depreciation benefit.
- # New Scheme introduced on Generation Based Incentive for solar power
- # New scheme introduced for promotion of Renewable power plants at tail-end of grid
- # New UNDP/GEF project for Solar Water Heating Systems initiated
- # Promotion of Green buildings - National rating system GRIHA introduced
- # New scheme for Roof-top SPV systems for diesel abatement introduced

- # Scheme for Incentivising Banks for financing Solar Home lighting Scheme introduced
- # Scheme for demonstration of RE systems at Iconic buildings launched
- # Demonstration large plants supported to entrepreneurs for bottling of biogas.
- # New scheme for micro-hydel formulated.
- # Jawaharlal Nehru National Solar Mission has been initiated recently to give a boost to deployment of solar energy systems, solar photovoltaic as well as solar thermal,