

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

STARRED QUESTION NO:64
ANSWERED ON:12.11.2010
POWER GENERATION FROM RENEWABLE ENERGY SOURCES
Kodikunnil Shri Suresh;Naranbhai Shri Kachhadia

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

- (a) whether the country has the potential to generate 80,000 megawatt of energy from the new and renewable sources of energy in the country;
- (b) if so, the funds sanctioned by the Government during the Eleventh Five Year Plan for capacity addition of renewable power;
- (c) whether the Government proposes to add 35 gigawatt energy from various renewable energy sources in the country; and
- (d) if so, the details thereof along with the future action plan formulated by the Government for enhancing power generation from these sources of energy?

Answer

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

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

STATEMENT

Statement referred to in reply to parts (a),(b),(c) & (d) of the Lok Sabha Starred Question No. 64 for answer on 12.11.2010 regarding Power Generation from Renewable Energy Sources

(a): Yes, Madam. A potential of around 87,000 MWeq for power generation from different renewable energy sources excluding solar energy has been estimated in the country. This includes 48,500 MW from wind, 15, 000 MW from small hydro and 23,700 MW from bio-power. The potential for solar energy is estimated for most parts of the country at around 20 MW per square kilometer of open, shadow free area covered with solar collectors.

(b): An allocation of Rs.1165 crore for grid-interactive renewable power capacity addition has been approved for the 11th Plan period at Mid-term Appraisal stage. An additional outlay of Rs.230 crore has been approved subsequently for the grid Solar power component under the National Solar Mission launched in January 2010.

(c)&(d): Yes, Madam. A cumulative Grid-interactive renewable power generation capacity of 18,321 MW has already been set up in the country upto 31.10.2010. It is envisaged to add another 35 Gigawatt upto the end of 13th Plan (31st March, 2022). This includes about 5 Gigawatt during the remaining period of the 11th Plan and 15 Gigawatt each during the 12th and 13th Plan respectively. An additional capacity of 20 Gigawatt of Solar power is envisaged under the National Jawaharlal Solar Mission. Out of this 1100 MW is envisaged in the first phase of the Mission, till 2012-13 and the balance in the second and third phases till March, 2022.