

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

UNSTARRED QUESTION NO:3168

ANSWERED ON:07.12.2007

SOLAR ENERGY

Bhai Lal Shri ;More Shri Vasantao J.;Tripathy Shri Braja Kishore

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

- (a) whether there is lack of Research and Developmental activities in the area of New and Renewable Energy particularly in solar energy in the country;
- (b) if so, the details thereof;
- (c) the details of the funds allocated and expenditure incurred on Research and Development of New and Renewable Energy particularly in the area of solar energy during the 10th Five year plan;
- (d) the details of funds allocated in the 11th Five year plan;
- (e) the details of the R&D centres set up in various states so far; and
- (f) the details of the steps taken by the Government to promote solar energy in the country in the 11th plan period?

**Answer**

MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR)

(a): No, Sir. The Ministry of New and Renewable Energy supports Research, Design and Development activities in various areas of Renewable Energy including solar energy in the country. In this regard, more than 550 projects in the aforesaid technology areas have been financially supported.

(b): Does not arise.

(c): During the 10th Five Year Plan period an expenditure of Rs. 72.65 crore has been incurred on Research and Development in the area of New and Renewable Energy which includes Rs. 13.15 crore on solar energy.

(d): An amount of Rs. 1500 crore has been proposed for Research, Design and Development in New and Renewable Energy for the 11th Five Year Plan.

(e): The Ministry supports Research, Design and Development in New and Renewable energy at various universities, institutions and industry in the country. In addition, following specialized Centres have been set up/ supported by the Ministry specializing in the area of solar energy, wind energy, small hydro power and biomass energy:-

- i) Solar Energy Centre, Gwalpahari, Gurgaon (Haryana),
- ii) Centre for Wind Energy Technology (C-WET), Chennai (Tamil Nadu),
- iii) Alternate Hydro Energy Centre (AHEC), IIT Roorkee (Uttaranchal), and
- iv) Sardar Swaran Singh National Institute of Renewable Energy (SSNIRE), Kapurthala (Punjab) - in the process of establishment.

(f) The Ministry has identified Research and Development thrust areas for solar and other Renewable Energy technologies for the 11th Five Year Plan period. Guidelines for supporting and accelerating pace of Research, Design and Development leading to eventual manufacture and deployment of various Renewable Energy Systems including solar energy have been put in place. In addition, during the 11th Plan Period various types of fiscal and financial incentives are proposed to continue to be provided for promoting various solar energy systems and devices in the country.