

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

STARRED QUESTION NO:328
ANSWERED ON:11.12.2009
SOLAR TUBEWELLS
Anuragi Shri Ghansyam

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

- (a) whether the Government has formulated/proposes to formulate any scheme for running of tubewells using solar energy, in view of drought, shortage of electricity and decreasing water level of rivers in the country;
- (b) if so, the details thereof;
- (c) the cost incurred on such tubewells at present;
- (d) whether the Government proposes to reduce the price and promote its use; and
- (e) if so, the details of steps taken/proposed to be taken in this regard?

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. 328 for 11th December, 2009 regarding Solar Tubewells

(a),(b)&(c): The Ministry of New and Renewable Energy has been implementing a scheme on deployment of solar photovoltaic (SPV) water pumping systems for applications such as community drinking water supply, agriculture and related uses including running of tubewells. The SPV water pumping programme is implemented through the state renewable energy development agencies and the Indian Renewable Energy Development Agency (IREDA). The installed cost of a SPV water pumping system depends on the capacity and type of pump and varies from about Rs.2.25 lakhs to Rs. 5.00 lakhs. The Ministry provides a central financial assistance of Rs. 30 per watt of SPV array capacity used in the water pumping system, subject to a maximum of Rs. 50,000 per system.

(d)&(e): The Ministry has been supporting research and development in solar photovoltaics with an objective of reducing the cost and increasing the efficiency and life of solar cells, modules and balance of system components. The reduction in cost of SPV modules will result in the reduction of cost of the pumping systems. The Ministry has identified the thrust areas of research and many research projects on different aspects of solar photovoltaic technology are under implementation. Under the recently approved Jawaharlal Nehru National Solar Mission, these efforts would be strengthened further.