villages/hamlets of Bihar have been getting electricity from rice husk. In addition, one such system is under installation at Md. Devipura Village of District Bahraich, UP. MNRE is making efforts to promote such systems in West Bengal, Orissa, Maharastra, Tamil Nadu and other rice producing states in association with state government, NGOs etc based on sustainable business model.

(d) MNRE has been supporting setting up of power projects through biomass gasification as well as biomass combustion technologies in rice producing states of the country using surplus agro industrial and agricultural residues including rice husk.

Electrification of remote villages

1351. DR. JANARDHAN WAGHMARE: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether the Central Government has recently decided to electrify remote villages across the country with renewable energy sources by 2012;

(b) if so, the details of villages to be electrified;

(c) whether any plans have been formulated to electrify all the villages with renewable energy sources in a specific time period; and

(d) if so, the details thereof?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) to (d) The Ministry of New & Renewable Energy is implementing Remote Village Electrification Programme for providing financial support for lighting/ basic electrification in those remote unelectrified census villages and unelectrified hamlets of electrified census villages where grid extension is not found feasible by the State Governments and hence are not covered under the Rajiv Gandhi Gramin Vidyutikaran Yojna. Such villages/hamlets are provided basic facilities for lighting/ electricity through various renewable energy sources. A target tor coverage of 10000 such villages and hamlets has been set for the Remote Village Electrification Programme for 11th Plan Period.

Requirements for generation of power from renewable sources

1352. SHRIMATI SHOBHANA BHARTIA: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) an estimate of the initial capital costs and generation costs of power plants using renewable sources including wind, solar, small hydro, biomass gasification etc; and

(b) an estimate of the amount of land required per megawatt of power generation from the above sources?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) and (b) The initial capital costs and generation costs of power plants using renewable energy sources, as also the land area requirements for setting up these plants are highly resource and site specific. Resource-wise estimated ranges thereof are given in the Statement.

Statement

The initial capital costs, costs of power plants using renewable energy sources and the land area requirements for setting up plants.

Source	Estimated initial capital cost	Estimated cost of electricity generation	Approximate land area required for plant installation
	(Rs. in crore/ MW)	(Rs. / kWh)	(Sq. m/ MW)
Small Hydro Power	6.00- 7.50	2.50-3.50	12,000
Wind Power	5.50 - 6.00	2.75 - 3.50	1,20,000
Biomass Power	4.50-5.00	2.75-3.50	10,000
Bagasse Cogeneration	4.30-5.00	2.50-3.50	5,000
Energy from Urban/ Industrial Waste	4.00-12.00	2.50-5.00	2,000-10,000
Solar Power	12.00- 17.00	11.00-18.00	5,000-10,000

* With battery back up.

Incentives and assistance for generation of solar power

†1353. SHRI SHREEGOPAL VYAS: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

†Original notice of the question was received in Hindi.