

stations, 233 locations in 14 states have been found to be potential sites for setting up of wind power projects. A total wind power capacity of over 12,900 MW has been established in the country so far. More sites are being utilized every year.

Estimated solar production in Jharkhand

1348. MS. MABEL REBELLO: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the total MW of solar energy generation in Jharkhand estimated for the next five years;
- (b) the details thereof, district-wise and year-wise;
- (c) the budgetary allocation of the State Government to achieve the target; and
- (d) whether the State Government has technical human resource to administer these solar and alternative sources of energy and the details thereof at present and during the next five years?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) to (c) The Ministry of New and Renewable Energy does not make any State-wise/ district-wise advance allocation of targets for solar energy projects. Under Jawaharlal Nehru National Solar Mission, projects to support off-grid solar power generation are considered in a project mode on case to case basis. The grid connected solar power projects in the first phase of the Mission are selected on the basis of build, own and operate basis.

(d) The State Governments including Jharkhand have set up state level agencies to implement the renewable energy programmes, including solar energy programmes. Specific projects are submitted by these agencies to the Ministry for financial support and subsequent implementation at the state level.

Power from renewable energy sources

1349. SHRI T.K. RANGARAJAN: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the total volume of power generated from renewable energy sources in the country;

(b) whether the Ministry has plans to enhance power generation; and

(c) if so, the details of the new projects proposed along with the funds allocated towards implementation of projects, State-wise; and project wise?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) Renewable Power Generation Capacity of about 18,320 MW (grid-connected) and 460 MWeq (off-grid) from various renewable energy sources has been set up in the country upto 31.10.2010. Resource-wise details thereof are given in the Statement (See below).

(b) It is envisaged to add renewable power capacity of 35,000 MW upto the end of 13th Plan (31st March, 2022). This includes about 5,000 MW during the remaining period of the 11th Plan and 15,000 MW each during the 12th and 13th Plan respectively. An additional capacity of 20,000 MW of Solar power is envisaged under the National Jawaharlal Solar Mission. Out of this 1,100 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.

(c) Renewable energy projects are implemented by State Governments and by private developers as per State policies. The Union Government is facilitating the setting up of such projects through various fiscal/ financial incentives. Proposals for grant of incentives are considered on case to case basis and no State-wise allocation of funds is made in advance.

Statement

Resource-wise details of grid connected/ off-grid renewable power generation capacity set up upto 31.10.2010 in the country.

Sector	Cumulative achievement up to 31.10.2010
1	2
Grid-interactive power (Capacities in MW)	
Wind Power	12906.73
Small Hydro Power	2850.25
Biomass Power	979.10
Bagasse Cogeneration	1494.53

1	2
Waste to Power -Urban	19.00
Industrial	53.46
Solar Power (SPV)	17.82
TOTAL	18320.89
Off-grid/ Captive Power (Capacities in MWEQ))	
Waste to Energy-Urban	3.50
Industrial	57.28
Biomass Cogeneration (Non-bagasse)	267.08
Biomass Gasifiers -Rural	14.07
Industrial	114.09
Aero-Generators/Hybrid systems	1.07
SPV Systems (>1kW)	2.39
TOTAL	459.48

Electricity from rice husk

1350. SHRI R.C. SINGH: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it has come to the notice of the Ministry that some villages in Bihar and UP have been provided electricity produced from rice husk;

(b) whether it is also a fact that some rural areas in West Bengal, Orissa, Maharastra and Tamil Nadu are also going to get electricity through the above method;

(c) if so, the details thereof; and

(d) whether there are any plans before the Ministry to encourage technology/ methods to produce power through husk, particularly in southern States where there is plenty of husk?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) to (c) Yes Sir. Ministry of New and Renewable Energy (MNRE) has been promoting rice husk based biomass gasifier system for providing unmet demand of electricity in villages. So far; about 150