

(b) if so, the details thereof;

(c) whether it is a fact that India has vast potential in the above sector, especially in Odisha and coastal regions of the country; and

(d) if so, the action plan of Government to harness such sources in the above areas?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) No, Sir.

(b) Question does not arise.

(c) As per wind resource estimates made by the Centre for Wind Energy Technology (C-WET), India has a potential of 1,02,000 MW at 80 m above ground level, including for the State of Odisha and coastal regions.

(d) A target of installing 15000 MW of grid connected wind power projects has been set for Twelfth Plan period, out of total of 30000 MW from all renewables. The Government is promoting wind power projects through private sector investment by providing fiscal and promotional incentives such as concessional import duty on certain components of wind electric generators, excise duty exemption to manufacturers. Ten years tax holiday on income generated from wind power projects is also available. Loans for installing windmills are available from Indian Renewable Energy Development Agency (IREDA) and other Financial Institutions. Technical support including wind resource assessment is provided by the Centre for Wind Energy Technology (C-WET), Chennai. In addition, preferential tariff is being provided in certain States.

Generation of renewable energy

1797. SHRIMATI VASANTHI STANLEY: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the total amount of renewable energy generated by the States;

(b) whether there is still significant potential for States to increase their renewable energy and the details thereof; and

(c) the incentives given for States to take up renewable energy initiatives?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) The total installed capacity of power generation from renewable energy sources in the country is 28,709 MW.

(b) The estimated potential of power generation from renewable energy is 2,45,000 MW. There is considerable potential to expand utilization of renewable energy in the country.

(c) The Government is providing various incentives for setting up renewable energy based projects both in public and private sector. The details are given in Statement (*See below*) This apart, various fiscal incentives such as Accelerated Depreciation, concessional excise and customs duties are also available for the renewable energy projects.

Statement

Incentives/Subsidy available under various renewable schemes.

A. Grid-intructive renewable power programmes:

1. Wind Power:

Demonstration projects in:

Special Category States (NE Region, Sikkim, J and K, HP and Uttarakhand)	Rs. 3.00 crore X C ^{0.646}
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Other States	Rs. 2.50 crore X C ^{0.646}
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C: Capacity of the project in MW;	^: raised to the power
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1	2	3	4	5
Bagasse Co-generation	Rs. 18 lakh X(C MW) ^{0.646}		Rs. 15 lakh X (C MW) ^{0.646}	
Bagasse co-generation	Rs. 40 lakh		Rs. 40 lakh	
projects by coopera-	Rs. 50 lakh		Rs. 50 lakh	
tive/public sector sugar	Rs. 60 lakh		Rs. 60 lakh	
mills				
40 bar and above	Per MW of surplus power		Per MW of surplus power	
60 bar and above	(maximum support of		(Maximum support of Rs. 8.0	
80 bar and above	Rs. 8.0 crore per project)		crore per project)	

B. Off-grid/decentralized renewable energy programmes

Sl. No.	Programme	Subsidy
4. Family Type Biogas Plants		
	NE Region States including Sikkim (except plain areas of Assam)	Rs.11,700 to Rs.14,700 per plant depending on capacity of plant and CDM benefits availed
	Plain areas of Assam	Rs. 9,000 to Rs. 10,000 per plant depending on capacity of plant and CDM benefits availed
	J and K, Himachal Pradesh, Uttarakhand (excluding Terai region), Nilgiris of Tamil Nadu, Sadar, Kurseong and Kalimpong sub-divisions of Darjeeling, Sunderbans, A and N Islands	Rs. 3,500 to Rs. 10,000 per plant depending on capacity of plant and CDM benefits availed

Sl. No.	Programme	Subsidy
	All Others	Rs. 2,100 to Rs. 8,000 per plant depending on capacity of plant and CDM benefits availed
5.	Solar Energy Systems (Photovoltaic/Thermal)	Subsidy of 30% of project cost and/or 5% interest bearing loans. For solar light through NABAAD, RRD and other commercial bank 40% subsidy is available.
6.	Small Aero-Generators and Hybrid Systems	Rs. 1.00 lakh and Rs. 1.50 lakh per kW for commercial and non-commercial beneficiaries respectively. Higher support of Rs. 2.25 lakh per kW for projects in NE Region States Sikkim and Jammu and Kashmir.
7.	Micro-hydel plants/Water mills	Rs. 0.35 lakh per watermill for mechanical application Rs. 1.10 lakh per watermill for electrical application
8.	Biomass Gasifier	
	Special Category States (NE Region, Sikkim, J and K, HP and Uttarakhand)	Rs. 18,000/kW
	Other States	Rs. 15,000/kW