

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) The Ministry is working on a proposal for continuation of the Generation Based Incentive (GBI) scheme in the 12th Plan period.

(b) The incentive was introduced for the duration of 11th Five Year Plan for expanding the investor base and the development of renewable energy sector in India.

(c) The final contours of the GBI scheme are being worked out.

Use of solar energy

1654. DR. PRADEEP KUMAR BALMUCHU: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether the use of solar energy is increasing in the country;

(b) if so, the details thereof;

(c) the number of solar power systems established during the last three years, State-wise;

(d) the initiatives taken by Government for the development of solar power in the near future; and

(e) the details of projects being established in Jharkhand during the last three years?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) Yes. Sir.

(b) The total grid connected solar capacity, as on August, 2011 was 2.5 MW which has increased to 1040.67 MW as on July, 2012. Also, on the off-grid applications, funds to the tune of Rs. 28,709.07 Lakhs were sanctioned in 2010-11 which increased to Rs. 55097.33 Lakhs in 2011-12.

(c) The number of grid connected and off-grid solar power systems established during Phase-1 (2010-13) of Jawaharlal Nehru National Solar Mission (JNNSM) is given in the Annexure [See Appendix 226 Annexure No.20]

(d) The details are given in the Statement-I (See below).

(e) Details of the grid connected and off-grid projects being established in Jharkhand are given in the Statement-II.

Statement-I

Initiative taken by Govt. for the development of Solar power

1. Financial assistance is provided in the form of:**a) Capital subsidy Off-Grid Solar Applications:**

- i) 60%-90% subsidy for Government projects in special category states and other difficult areas.
- ii) 30% subsidy for Government Projects in General category states.

b) Solar thermal Applications:

- (i) All users in General category States - 30% of the cost or loan at 5% interest on 80% of the bench mark cost.
- (ii) For special category States for domestic and Non Commercial category of users- 60% Capital subsidy or loan at 5% interest on 80% of the bench mark cost.
- (iii) Special category States for Commercial users - 30% of the cost or loan at 5%.

c) Concessional Import duty, excise duty exemption, accelerated depreciation and tax holiday.**d) Generation based incentive and facility for bundled power for Grid connected Solar Power Projects through various interventions announced from time to time.****2. Technical support is provided by Ministry's Solar Energy Centre, Gurgaon. Technical support is also provided through reputed institutions and laboratories.****3. As per policy, the requirement of solar RPO begins with 0.25% of the energy procured by a Discom till 2013, reaching to 3% by 2022. For the States where solar resource is deficient, a market based mechanism of Renewable Energy Certificates has also been introduced which is implemented through power trading exchanges based on parameters set by Central Electricity Regulatory Commission.**

Statement-II**i) Grid Connected Solar power projects in Jharkhand State.**

Sl. No.	Name of the Project Developer	Total Capacity connected to grid (MW)	Status
1.	Premier solar systems Pvt. Ltd.	2	Connected to Grid
2.	Saimeg Infrastructure Pvt. Ltd.	2	Connected to Grid
3.	New Era Enviro Ventures Pvt. Ltd.	2	Connected to Grid
4.	Kijalk infrastructure Pvt. Ltd.	2	Connected to Grid
5.	K V R Constructions	2	Connected to Grid
6.	A K R Construction Limited	2	Connected to Grid
7.	PCS Premier Energy Pvt. Ltd	2	Connected to Grid
8.	Enertech Engg. Pvt. Ltd.	2	Connected to Grid

ii) SPV Off-grid Projects in Jharkhand State**2009-10**

Sl. No.	State	Systems Sanctioned [Power Plants no.(kWp)]	Beneficiaries	Status
1	Jharkhand	1(20)	Village Jhargaon District Gumla	Installed

2010-11

Sl.No.	State	Sanctioned Systems	Location	Capacity (kWp)	Status
1	2	3	4	5	6
1	Jharkhand	Power Plants 2x100kWp 1x50kWp	Temples in Deogarh district	250	Installed

1	2	3	4	5	6
2		Power Plants 1x30kWp 1x36kWp	BIT Deogarh Palamu Tiger Project	66	Installed
3		100kWp	Jari village Gumla District	100	Installed

2011-12

1	Jharkhand	Powerplants/ packs (4683nos.)	BDO Offices/Panchyats	4943	Under Installation
2		Power Plants (2nos.)	Bharat Cocking Coal	124	Under Installation
3		Solar Lanterns (7000nos.)	West Singhbhum district	70	Installed
4		Solar Pumps (15nos.)	Remote villages	75	Under Installation

Small hydro power projects

1655. SHRI P. BHATTACHARYA: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the present status of small hydro power projects along with the number of projects functioning in the country, State-wise;

(b) whether the full potential of power from such projects has not been tapped;

(c) if so, the details thereof along with the steps being taken or proposed to be taken by the Government to exploit the potential from such projects; and

(d) whether Government has sought assistance from some developed countries for development of small hydro projects in the country and if so, the details thereof?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) India has an estimated potential of about 19,750 MW of Small Hydro Power (SHP) projects. So far, 898 SHP projects with an aggregate capacity of 3411 MW have been setup and 348 projects aggregating to 1309 MW are under