

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2011
TO BE ANSWERED ON 05.05.2016

SCHEMES FOR DEVELOPMENT OF NEW AND RENEWABLE ENERGY SECTOR

2011. COL. SONARAM CHOUDHARY:

Will the Minister of New and Renewable Energy be pleased to state:

- (a) the details of schemes being implemented for development of new and renewable energy sector;
- (b) the details of the potential of development in the said sector;
- (c) whether the Government proposes to set up a plant each in Barmer-Jaisalmer-Bikaner and Jodhpur in view of potential of development of the said sector in the area; and
- (d) if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY
(INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a): Brief details of the major schemes/programmes implemented by the Ministry of New and Renewable Energy for the development of renewable energy sector are given in the statement enclosed at Annexure.

(b): A potential of over 1096 GW have been estimated from various renewable energy sources i.e. Solar, Wind, Small Hydro Power and Biomass in the country.

(c)&(d): The Ministry of New and Renewable Energy has given an in-principle approval for setting up of 5 Solar parks for generating 3251 MW of Renewable Energy in Jodhpur and Jaisalmer Districts. Besides, the state is also promoting the setting up of Wind Power projects under its policy of 2012 wherever potential wind sites are available including in the districts of Barmer, Jaisalmer, Bikaner and Jodhpur.

Annexure referred to in reply to part (a) of Lok Sabha Unstarred Question No. 2011 for 5-5-2016 regarding Schemes for Development of New and Renewable Energy Sector

Details of the Renewable Energy Schemes / Programmes

1. Grid Interactive and Distributed Renewable Energy Power:

- **Wind Power:** MW-scale Wind Farms.
- **Bio-power:** Biomass power/ Cogeneration.
- **Small Hydro Power:** Small hydro power plants up to 25 MW capacity.
- **Solar Power:** Grid-interactive -Solar Thermal and SPV power generation plants.
- **Energy Storage:** for proper scheduling and forecasting of Power generation and stabilization of the Grid.
- **Green Energy Corridors:** transmission Infrastructure for evacuation of Power from Renewable Energy Sources..
- **Support to Solar Energy Corporation of India.**
- **Demonstration of Renewable Energy Application.**

2. Off-Grid/ Distributed and Decentralized Renewable Power:

- **Solar Power** (To promote the solar devices such as Solar Lighting Systems, Solar Pumps, Solar Power Packs and Concentrated Solar Technology systems.
- **Small wind and Hybrid Systems:**
- **Water Mills and Water Hydrants**
- **Energy Storage** for Energy Security and energy access in remote areas.
- **Biomass(non-bagasse) cogeneration/ U&I Waste to Energy**
- **Remote Village Electrification Programme :** provision of lighting/ electricity in the un-electrified remote villages/ hamlets
- **Biomass Gasifier for Rural Energy / Industrial Energy.**
- **Biogas Programme:** setting up of Family Type biogas plants for cooking/ lighting/ manure/ small scale power generation
- **Solar Thermal Systems:** deployment of decentralized solar thermal systems/ devices (mainly solar cookers / driers for cooking, drying farm produce) under National Solar Mission.
- **Green Buildings** - incorporating active renewable energy systems and passive designs
- **Solar Cities** – Planning for reducing their conventional energy consumption through energy conservation and use of renewable energy devices/ systems

3. Research, Development and International Cooperation:

- Supporting research and development projects at premier institutions and industries on different aspects of new and renewable energy technologies.
- Human Resource Development and Training Programme
- International relations international cooperation including Investment Promotion
- New and Innovative Projects

4. Support to Autonomous Bodies: Support to Institutions under the aegis of MNRE
