

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 2825**  
TO BE ANSWERED ON 05.12.2019

**IMPLEMENTATION SOLAR ENERGY SCHEMES**

+2825. SHRI RAHUL KASWAN

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether progress has been made in implementation of solar energy schemes in Rajasthan;
- (b) if so, the details thereof during the last two years;
- (c) whether it is also a fact that the Government proposes to provide financial assistance to farmers for installing solar energy plants on the roofs of houses or on land in villages (Dhanies) for operating tube wells, pump sets and domestic purposes; and
- (d) if so, the details thereof particularly relating to Churu, Bikaner and Hanumangarh district of Rajasthan?

**ANSWER**

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and MoS for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) & (b) The details of progress made in implementation of solar energy schemes as reported by the Government of Rajasthan are given in **Annexure**.

(c) & (d) the Ministry of New and Renewable Energy has launched Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM-KUSUM) Scheme on 8.3.2019, which, inter alia, provides for:

- (A) installation of 10,000 MW capacity through renewable energy based small power plants each of capacity up to 2 MW in the rural areas;
- (B) installation of 17.5 lakh standalone off-grid solar water pumps; and
- (C) solarization of 10 lakh existing grid-connected agriculture pumps.

Under Component-A, the concerned DISCOM is eligible to get Procurement Based Incentive (PBI) @ Rs. 0.40 per unit purchased or Rs. 6.6 lakh per MW of capacity installed, whichever is less, for a period of five years from the Date of Commissioning (COD).

Under the Components-B and C of the Scheme, Central Financial Assistance of 30% of the benchmark cost or tendered cost for installation of standalone solar pump/ solarisation of existing agricultural pump, whichever is lower, is provided by MNRE and at least an equal amount is to be contributed by the State Government.

Under the Scheme, in the State of Rajasthan, 325 MW capacity has been sanctioned under Component-A, installation of 25,000 standalone solar pumps have been sanctioned under Component-B and solarisation of 12,500 agricultural pumps has been sanctioned under Component-C during the year 2019-20. District-wise allocation is open to the State.

Further, the MNRE provides, under the Phase-II of the Grid Connected Roof Top (GCRT) scheme, Central Financial Assistance (CFA) of 40% of the benchmark cost or tendered cost, whichever is lower for residential grid connected rooftop systems upto 3 kW and 20% of the benchmark cost or tendered cost whichever is lower for residential grid connected roof top systems of capacity 3 kW to 10 kW. For GCRT systems of more than 10 kW capacity in residential sector, CFA remains limited to eligible CFA for 10 kW, since solar power for such category is cost effective compared to grid tariffs applicable for such category of consumers.

The State Government of Rajasthan has informed that it has issued RfP for Work for Design, Supply, Installation, Testing, Commissioning and Maintenance Of Grid Connected SPV Power Plants Under “Rooftop Solar Power Generation Scheme” 2019-20 in Rajasthan on 25.10.2019.

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**ANNEXURE REFERRED TO IN REPLY TO PARTS (A) AND (B) OF LOK SABHA  
UNSTARRED QUESTION NO. 2825 FOR 05.12.2019**

**DETAILS OF PROGRESS MADE IN IMPLEMENTATION OF SOLAR ENERGY  
SCHEMES IN RAJASTHAN**

**(i)** As on 31.10.2019, a solar power capacity of 4,737 MW including 201 MW of Roof-top solar has been installed in the State of Rajasthan.

**(ii) Solar Parks:-**The Government has approved the following 6 nos. solar parks in Rajasthan with total 5410 MW capacity under “Scheme for development of Solar Parks and Ultra Mega Solar Power Projects”:

- Bhadla Solar Park Phase-II (680 MW) by RSDCL (a subsidiary of RRECL). (Completed)
- Bhadla Phase-III (1000MW) by JVC M/s Saurya Urja Company of Rajasthan Limited.(SUCRL)(700 MW Commissioned and 300 MW at various stages of implementation)
- Bhadla Phase-IV (500MW) by JVC M/s Adani Renewable Energy Park Rajasthan Limited.(AREPRL) (Completed)
- Phalodi-Pokaran (750MW) by JVC M/s Essel Saurya Urja Company of Rajasthan Limited. (ESUCRL) (at various stages of implementation)
- Fatehgarh Phase-IB (1500MW) by JVC M/s Adani Renewable Energy Park Rajasthan Limited.(AREPRL) (at various stages of implementation)
- Nokh Solar Park (980 MW) by RSDCL ( Subsidiary of RRECL) (at various stages of implementation)

**(iii) Rooftop Solar:-**

1. Rooftop Solar Power Generation Scheme of Rajsathan 2015-16 for 16 MW with 30 % CFA from MNRE. Out of this 16 MW, Rooftop Projects of 14.144 MW has been installed.`

2. Rooftop Solar Power Generation Scheme of Rajsathan 2017-18 for 18 MWs with 30 % CFA from MNRE. Out of this 18 MW Rooftop Projects of 16.155 MW has been installed.

**(iv) Solar Off-grid :-**

**1.SPV Solar Pumping Programme:** Under SPV Pump project 2017-18, total 6994 Nos (2060 Nos-3 HP & 4934 Nos- 5 HP) SPV Pumps were installed in various districts of Rajasthan by Rajasthan Horticulture Development Society.

**2.DDUGJY (Deendayal UpadhyayGram Jyoti Yojana):** Under this scheme Un-electrified households in villages & Dhanies were electrified through off-grid SPV Home Lighting System (100 Wp) with 95 % Subsidy support (75% by REC & 20 % by GoR). Total 38066 Nos HLSs were installed in last two years under this scheme in Rajasthan.