

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 3863
ANSWERED ON 23.03.2023

NEW AND RENEWABLE ENERGY PROJECTS

3863. SHRI SUMEDHANAND SARASWATI
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SHRIMATI RANJEETA KOLI

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

- (a) the details of the new and renewable energy projects being run/proposed to be run in Rajasthan;
- (b) whether the Government proposes to run any special project related to solar energy in Rajasthan and if so, the details thereof, district-wise including Sikar, Karauli-Dholpur, Alwar and Bharatpur;
- (c) whether any special new and renewable energy project pertaining to Rajasthan is pending with the Union Government and if so, the details thereof; and
- (d) the steps taken/proposed to be taken by the Government to make the country including Rajasthan self-reliant in the field of new and renewable energy?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER
(SHRI R.K. SINGH)

(a) A total of 21647.50 MW renewable energy capacity has been installed in the state of Rajasthan as on 28.02.2023. This includes 16405.75 MW Solar Power, 4681.82 MW Wind Power, 411.00 MW Large Hydro Power, 125.08 MW Bio Power and 23.85 MW Small Hydro Power.

(b) & (c) The details of renewable energy projects sanctioned in the state of Rajasthan by the Ministry of New & Renewable Energy are given in **Annexure**.

(d) The Government has taken several measures to promote renewable energy in the country including the State of Rajasthan, including, inter-alia, the following: -

- Permitting Foreign Direct Investment (FDI) up to 100 percent under the automatic route,
- Waiver of Inter State Transmission System (ISTS) charges for inter-state sale of solar and wind power for projects to be commissioned by 30th June 2025,
- Declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2029-30,
- Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers for installation of RE projects at large scale,
- Schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 MW CPSU Scheme Phase II, etc,
- Laying of new transmission lines and creating new sub-station capacity under the Green Energy Corridor Scheme for evacuation of renewable power,
- Notification of standards for deployment of solar photovoltaic system/devices,
- Setting up of Project Development Cell for attracting and facilitating investments,
- Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar PV and Wind Projects.
- Government has issued orders that power shall be dispatched against Letter of Credit (LC) or advance payment to ensure timely payment by distribution licensees to RE generators.
- Notification of Promoting Renewable Energy through Green Energy Open Access Rules 2022.
- Notification of "The Electricity (Late Payment Surcharge and related matters) Rules (LPS rules).
- Launch of Green Term Ahead Market (GTAM) to facilitate sale of Renewable Energy Power through exchanges.
- National Green Hydrogen Mission approved with an aim to make India a global hub for production, utilization and export of Green Hydrogen and its derivatives.

Annexure referred to in reply to part (b) & (c) of Lok Sabha Unstarred Question No. 3863 for 23/03/2023 regarding 'New and Renewable Energy Projects'

The Details of Renewable Energy Projects sanctioned in the State of Rajasthan

A. Solar Parks:

The Ministry has approved 9 nos. of solar parks with a total capacity of 7036 MW under the Solar Park Scheme. The present status as on 28-02-2023 of parks is as given below:

Sl. No.	Name of Solar Park	Capacity (in MW)	Location
1.	Bhadla Phase-II Solar Park Date of in-principle approval : 12-12-2014	680	Village-Bhadla, Jodhpur District
2.	Bhadla III Solar Park Date of in-principle approval : 29-09-2015	1000	Village-Bhadla, Jodhpur District
3.	Bhadla IV Solar Park Date of in-principle approval : 17-12-2015	500	Village-Bhadla, Jodhpur District
4.	Phalodi-Pokaran Solar Park Date of in-principle approval : 01-02-2016	750	Villages Ugraas, Nagnechinagar & Dandhu, Tehsil Phalodi in Jodhpur District (450 MW) and villages Lavan & Purohitsar, Tehsil Pokaran, Jaisalmer District (300 MW)
5.	Fatehgarh Phase 1B Solar Park Date of in-principle approval : 02-12-2014	1500 MW (421 MW under CFA)	Fatehgarh & Pokaran, Jaisalmer District
6.	Nokh Solar Park Date of in-principle approval : 18-07-2017	925	Village-Nokh, Pokaran, Jaisalmer District
7.	Pugal Solar Park Ph-I Date of in-principle approval : 22-02-2022	1000	Village Surasar, Bhanwatawalla, Siyasar
8.	Pugal Solar Park Ph-I Date of in-principle approval : 31-03-2022	450	Panchkosa, Tehsil Pugal in Bikaner District
9.	RRVUN Solar Park Date of in-principle approval : 24-02-2022	1310	Village Ramsar Chhota, Barala & Bandrewala of Pugal Tehsil in Bikaner District

B. Rooftop Solar Program Phase-II:

- Status of ongoing phase II of the programme in Rajasthan:

Name of DISCOM	Net capacity allocated under the program	Installed capacity (as on 28.02.2023)
Jaipur DISCOM (JVVNL)	50 MW	21.486 MW
Ajmer DISCOM (AVVNL)	20 MW	4.029
Jodhpur DISCOM (JdVVNL)	30 MW	10.755
Total	100 MW	36.27 MW

C. Green Energy Corridors:

GEC (Phase-I)

The implementing agency is Rajasthan Rajya Vidyut Prasaran Nigam (RVPN). The revised project cost for Rajasthan is approx. Rs. 794 crore for setting up of 1054 ckm transmission lines and 1915 MVA capacity substations for evacuation of approx. 2400 MW of RE within the State. There are total 11 packages in Rajasthan and all the projects have been commissioned by 30.04.2021.

Accordingly, central grant of Rs. 187.615 crore has been disbursed to RRVPN out of eligible grant of Rs. 249.30 crore (i.e. 75.26%). RVPN has submitted its grant request for balance 30% component for remaining commissioned packages to CEA (approx. Rs.62 crore).

GEC (Phase-II)

The project in Rajasthan is for setting up 1170 ckm of transmission lines and 1580 MVA capacity substations for evacuation of renewable energy power of approx. 4000 MW capacity in the State. The estimated project cost for Rajasthan is Rs. 880.92 crore and the central grant @33% of the project cost is Rs. 290.70 crore.

D. PM-KUSUM Scheme

Following quantities have been sanctioned in Rajasthan till date under PM-KUSUM Scheme:

(i) Component-A: 1200 MW capacity sanctioned to RUVNL.

Status: Capacity of 722 MW awarded to farmers. Out of this, 72 MW capacity (53 projects) has been installed till 20.03.2023.

(ii) Component-B: Total 1,98,884 nos. of standalone solar pumps sanctioned to Horticulture Department.

Status: 56,500 nos. of pumps have been installed till 28.02.2023 in the State.

(iii) Component-C: 12,500 nos. of solarizations of existing pumps sanctioned under individual pump solarization and 1,00,000 nos. of pumps sanctioned under feeder level solarization in the State.

Status: 1144 nos. of pumps solarized under individual pump solarization and project short-closed. No installation reported under FLS.

E. Solar Off-grid Programme in Rajasthan

In the state of Rajasthan, till 28.02.2023, the total number of Off-grid SPV applications installed/distributed under various Solar Off-grid programs is tabulated below:

Solar Home Lights (in Nos.)	Solar Lanterns & Lamps (in Nos.)	Solar Street Lights (in Nos.)	SPV Pumps (in Nos.)	Solar Power Packs (in kWp)
187968	225851	8934	109805	30449

- Under Atal Jyoti Yojana Phase-II, 2,350 numbers of solar street lights were sanctioned and 2,262 numbers of lights have been installed.