

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 297**  
ANSWERED ON 19.07.2022

**SURVEY TO AUGMENT RENEWABLE ENERGY CAPACITY**

297#. DR. KIRODI LAL MEENA

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

- (a) whether Government has conducted any survey to augment the capacity of new and renewable energy in the country particularly in Rajasthan and if so, the details thereof;
- (b) the district-wise details of the sanctioned projects in Rajasthan during the last three years;
- (c) the total amount spent by Government to start such projects and the details of the technical and financial assistance provided for the same; and
- (d) whether some unemployed and skilled people/youth are eager to set up solar power units in the country particularly in Rajasthan and if so, the details thereof?

**ANSWER**

**THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER**

**(SHRI R.K. SINGH)**

- (a) The state-wise details of renewable energy potential estimated for various renewable energy sources (including large hydro) in the country including the State of Rajasthan are given in **Annexure-I**.
- (b) The details of renewable energy projects sanctioned in the State of Rajasthan during the last three years are given in **Annexure-II**.

(c) The details of funds released as Central Financial Assistance (CFA) by the ministry for implementation of various renewable energy schemes/programmes in the State of Rajasthan during the last three years and current year i.e. from 2019-20 to 2021-22 are given below:

(Rs. in Crores)	
Year	Central Financial Assistance (CFA) Released
2019-20	88.59
2020-21	105.59
2021-22	166.10

(d) The Ministry is implementing PM-KUSUM Scheme to promote small Grid Connected Solar Energy Power Plants, stand-alone solar powered agricultural pumps and solarisation of existing grid connected agricultural pumps.

The Component-A of PM-KUSUM Scheme has a potential to create employment opportunities equivalent to 2.45 lakh job-years for skilled and unskilled workers. The scheme, with all three components combined, having a target of 30.8 GW capacity addition has the potential to create employment opportunities equivalent to 7.55 lakh job-years.

The Ministry of New and Renewable Energy also implements Suryamitra Skill Development Programme for creating skilled manpower for employment in Solar Power Projects in the country. This programme is to train solar PV technicians for installation, operation and maintenance of solar power projects.

A total of 3473 no. of suryamitras have been trained out of which 2281 no. of suryamitras have been employed till date in the state of Rajasthan.

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Annexure-I referred to in reply to part (a) of Rajya Sabha Unstarred Question No. 297 for 19/07/2022 regarding 'Survey to augment renewable energy capacity'

**State-wise details of renewable energy potential estimated for various renewable energy sources (including large hydro) in the country including the State of Rajasthan**

(in MW)

Sl. N o.	STATES / UTs	Wind Power (@120mtr)	Small Hydro Power	Bio-Energy			Solar	Large Hydro	Total
				Biomass Power	Bagase Cogeneration	Waste To Energy			
1	Andhra Pradesh	74906	409.32	578	300	123	38440	3261	118017
2	Arunachal Pradesh	274	2064.92	8			8650	50064	61061
3	Assam	246	201.99	212		8	13760	650	15078
4	Bihar	3650	526.98	619	300	73	11200	40	16409
5	Chhatisgarh	348	1098.20	236		24	18270	2202	22178
6	Goa	8	4.70	26			880	55	973
7	Gujarat	142560	201.97	1221	350	112	35770	590	180805
8	Haryana	419	107.40	1333	350	24	4560	64	6857
9	Himachal Pradesh	151	3460.34	142		2	33840	18470	56065
10	Jammu & Kashmir	3	1707.45	43			111050	13613	126416
11	Jharkhand	0	227.96	90		10	18180	582	19090
12	Karnataka	124155	3726.49	1131	450		24700	6459	160621
13	Kerala	2311	647.15	1044		36	6110	3378	13527
14	Madhya Pradesh	15404	820.44	1364		78	61660	1970	81296
15	Maharashtra	98213	786.46	1887	1250	287	64320	3314	170058
16	Manipur	0	99.95	13		2	10630	1761	12506
17	Meghalaya	1	230.05	11		2	5860	2298	8402
18	Mizoram	0	168.90	1		2	9090	2131	11392
19	Nagaland	0	182.18	10			7290	1452	8934
20	Orissa	8346	286.22	246		22	25780	2981	37662
21	Punjab	278	578.28	3172	300	45	2810	971	8154
22	Rajasthan	127756	51.67	1039		62	142310	483	271702
23	Sikkim	0	266.64	2			4940	4248	9457
24	Tamil Nadu	68750	604.46	1070	450	151	17670	1693	90388
25	Telangana	24835	102.25				20410	1099	46446
26	Tripura	0	46.86	3		2	2080	0	2131
27	Uttar Pradesh	101	460.75	1617	1250	176	22830	664	27098
28	Uttarakhand	54	1664.31	24		5	16800	17998	36545
29	West Bengal	1050	392.06	396		148	6260	2829	11075
30	Andaman & Nicobar	1277	7.27				0		1284
31	Chandigarh	0				6	0		6
32	Dadar & Nagar Haveli	0					0		0
33	Daman & Diu	0					0		0
34	Delhi	0				131	2050		2181
35	Lakshwadeep	31					0		31
36	Pondicherry	382				3	0		385
37	Others					1022	790		1812
	<b>Total</b>	<b>695509.00</b>	<b>21133.62</b>	<b>17536.41</b>	<b>5000.00</b>	<b>2554.00</b>	<b>748990.00</b>	<b>145320</b>	<b>1636043</b>

**Annexure-II referred to in reply to part (b) of Rajya Sabha Unstarred Question No. 297 for 19/07/2022 regarding 'Survey to augment renewable energy capacity'**

**Details of renewable energy projects sanctioned in the State of Rajasthan during the last three years i.e. from 2019-20 to 2021-22**

### **1. Solar Rooftop Programme**

The Phase II of Grid Connected Rooftop Solar Programme wherein central financial assistance is being provided for installation of rooftop solar projects in residential sector, is being implemented by the State Electricity Distribution Utilities /Electricity Departments etc. in their respective distribution area . The programme is demand driven and based on the aggregated capacity request by the respective State Electricity Distribution Utilities /Electricity Departments, the allocation of capacity is sanctioned by Ministry of New and Renewable Energy (MNRE) to the respective agency. No district-wise project is being sanctioned by the MNRE.

Discom-wise details of capacity sanctioned to 3 DISCOMs of Rajasthan ( i.e. from FY 2019-20 to 30.06.2022)

Sr. no.	Name of DISCOM	Capacity Allocated (in MW)
1	Jaipur Vidyut Vitran Nigam Ltd	50.00
2	Ajmer Vidyut Vitran Nigam Ltd	20.00
3	Jodhpur Vidyut Vitran Nigam Ltd	30.00
	Total	100.00

### **2.PM-KUSUM Scheme**

Under Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM-KUSUM), following capacities/ quantities have been sanctioned by the Ministry in Rajasthan:

Component-A: 1200 MW capacity of grid-connected solar power plants of capacity up to 2 MW

Component-B: 76,210 nos. of standalone solar pumps

Component-C: Solarization of 12500 nos. of individual grid-connected agriculture pumps and solarization of 25,000 nos. of grid-connected agriculture pumps through feeder solarization.

District-wise allocation is not done by the Ministry.

### **3. GEC Scheme**

Under the Green Energy Corridor Intra-State Transmission System Phase-II scheme, MNRE has sanctioned around 18 no.s of transmission projects (lines and substations) in the districts of Jaisalmer, Jodhpur, Hanumangarh, Sri Ganganagar, Bikaner and Barmer.

#### **4. Solar Park Scheme**

The list of Parks approved under this Scheme in Rajasthan over the past three years is as follows:

<b>S. No.</b>	<b>Name of Park</b>	<b>Date of In-principle approval</b>	<b>Capacity (MW)</b>	<b>Solar Power Park Developer</b>	<b>Location</b>
1	Pugal Solar Park Ph-I	24-02-2022	1000	Rajasthan Solar Park Development Company Ltd. (RSDCL); subsidiary of RRECL	Village Surasar, Bhanwatawalla, Siyasar Panchkosa, Tehsil Pugal in Bikaner District
2	Pugal Solar Park Ph-II	31-03-2022	450		
3	RVUN Solar Park Ph-I	24-02-2022	810	Rajasthan Rajya Vidyut Utpadan Nigam Ltd (RRVUNL)	Village Ramsar Chhota, Barala & Bandrewala of Pugal Tehsil in Bikaner District
4	RVUN Solar Park Ph-II	31-03-2022	500		