

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 466
ANSWERED ON 03.02.2026

SOLAR AND WIND ENERGY IN RAJASTHAN

466. SHRI MADAN RATHORE

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

- (a) whether Government considers the State of Rajasthan to be a major State with immense potential for solar and wind energy;
- (b) the details of the approved solar parks, rooftop solar and renewable energy projects in the State, district-wise;
- (c) whether the projects are being affected by issues of land availability and grid connectivity;
- (d) the steps taken to promote solar pumps and renewable energy for farmers; and
- (e) the targets set for renewable energy production in Rajasthan for the next five years?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

- (a) As per the Solar PV potential assessment conducted by National Institute of Solar Energy (NISE), the estimated solar energy potential in the State of Rajasthan is 828 GW and as per the wind resource assessment conducted by National Institute of Wind Energy (NIWE), the estimated wind energy potential in the State is 284 GW at 150 meter above ground level.
- (b) District-wise details of approved solar parks in Rajasthan under the Ministry's Scheme for Development of Solar Parks and Ultra Mega Solar Power Projects are given at **Annexure-I**. District-wise number of applications submitted on the National Portal of the PM Surya Ghar Muft Bijli Yojana for installation of rooftop solar in the State as on 28.01.2026 are given at **Annexure-II**. Further, Rajasthan Renewable Energy Corporation Ltd. (RRECL) has also provided details of registered renewable energy projects in the State, which are given at **Annexure-III**.
- (c) Some projects are impacted by land availability issues and grid connectivity issues.
- (d) The Government has been implementing PM Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM KUSUM) to provide financial support to the farmers for installation of standalone solar pumps and solarization of existing grid-connected agriculture pumps (including Feeder Level Solarization), and to provide the farmers an opportunity to become solar entrepreneurs by installing solar power plants on their land.
- (e) As per the Rajasthan Integrated Clean Energy Policy, 2024 issued by the Government of Rajasthan, the State has set a target of achieving 125 GW renewable energy capacity in the State by 2030.

**Annexure-I referred to in reply of part (b) of the Rajya Sabha Unstarred Question
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**District-wise details of approved Solar Parks in Rajasthan under the Scheme for
Development of Solar Parks and Ultra Mega Solar Power Projects**

Sl. No.	Solar Park	District	Capacity (MW)
1	Bhadla Phase II	Jodhpur	680
2	Bhadla Phase III	Jodhpur	1000
3	Bhadla Phase IV	Jodhpur	500
4	Essel Phalodi-Pokran Solar Park	400 MW in Jodhpur and 350 MW in Jaisalmer	750
5	Fatehgarh Ph IB Solar Park	Jaisalmer	421
6	Nokh Solar Park	Jaisalmer	925
7	Pugal Solar Park Phase-I	Bikaner	1000
8	Pugal Solar Park Phase-II	Bikaner	1000
9	Pugal Solar Park Ph-III	Bikaner	450
10	RRVUN Solar Park	Bikaner	2000
11	Bodana Solar Park	Jaisalmer	2000
	Total		10726

**Annexure-II referred to in reply of part (b) of the Rajya Sabha Unstarred Question
No. 466 to be answered on 03.02.2026**

**District-wise details of no. of applications submitted on the National Portal of the PM
Surya Ghar Muft Bijli Yojana for installation of rooftop solar in Rajasthan**

Sl. No.	District	No. of Applications	No. of Installations
1	Ajmer	11865	5326
2	Alwar	10876	3277
3	Anoopgarh	689	343
4	Balotra	1842	478
5	Banswara	3585	859
6	Baran	1453	696
7	Barmer	3462	972
8	Beawar	4637	1139
9	Bharatpur	3479	1049
10	Bhilwara	8041	4395
11	Bikaner	10114	5350
12	Bundi	1903	707
13	Chittorgarh	6452	4268
14	Churu	7692	3401
15	Dausa	2993	1227
16	Deeg	499	152
17	Dholpur	1467	683
18	Didwana Kuchaman	3956	1887
19	Dudu	445	8
20	Dungarpur	2063	982
21	Ganganagar	22722	11831
22	Gangapurcity	366	161
23	Hanumangarh	14552	7695
24	Jaipur	45811	26844
25	Jaipur Gramin	205	24
26	Jaisalmer	738	266
27	Jalore	2875	1179
28	Jhalawar	1997	975
29	Jhunjhunu	12325	5983
30	Jodhpur	13390	7339
31	Jodhpur Gramin	66	3
32	Karauli	1122	433
33	Kekri	508	293
34	Khairthal-Tijara	412	137
35	Kota	7789	4782
36	Kotputli-Behror	2504	881
37	Nagaur	3056	1693
38	Neem Ka Thana	403	214
39	Pali	5617	2574
40	Phalodi	965	199
41	Pratapgarh	2979	954
42	Rajsamand	2811	1368
43	Salumbar	365	157
44	Sanchor	482	151
45	Sawai Madhopur	3529	937

46	Shahpura	325	199
47	Sikar	15321	7724
48	Sirohi	2154	1247
49	Tonk	3096	971
50	Udaipur	10276	6644
	Total	2,66,274	1,31,057

**Annexure-III referred to in reply of part (b) of the Rajya Sabha Unstarred Question
No. 466 to be answered on 03.02.2026**

Details of registered renewable energy projects in the State of Rajasthan

Details of Captive use/3rd Party sale approved projects under pipeline

Sl. No.	Name of Power Producer	Capacity (MW)	District
1	SAEL Solar P6 Private Limited	4.4	Ajmer
2	Havells India Ltd, Alwar	7.6	Alwar
3	Hero Motocorp Ltd	2.46	Alwar
4	KRN HVAC Products Pvt Ltd	1.5	Alwar
5	HPCL Rajasthan Refinery Ltd	1	Balotra
6	MW Wiretec Ltd	1	Barmer
7	Ampin C&I Power Eight Pvt Ltd(SPV)	50	Barmer
8	Suryadeep RJ1 Project Private Limited (SPV)	15.17	Barmer
9	Sangam India Ltd, Sareri (Bhilwara)	0.8	Bhilwara
10	Sangam India Ltd, Bhilwara	0.92	Bhilwara
11	Glowstone Ind Ltd	1.2	Bhilwara
12	Nitin Spinners	4.625	Bhilwara
13	Darshika Syntex Pvt Ltd	1.1	Bhilwara
14	BSL Ltd	1.63	Bhilwara
15	Sangam India Ltd	0.7	Bhilwara
16	Ram Ratna Wires Ltd	3.5	Bhiwadi
17	Serveall Land Developers	0.7	Bikamer
18	Desai Brothers Limited	0.45	Bikamer
19	Namdev Builders & Developers	1.4	Bikamer
20	Aman Hospitality Pvt Ltd	2.5	Bikamer
21	Serentica Renewables India 4 Pvt. Ltd, Bikaner	12	Bikaner
22	Deligent Pinkcity Centre Pvt Ltd	2.2	Bikaner
23	Serentica Renewables India 5 Pvt. Ltd	10	Bikaner
24	ReNew Dinkar Urja Private Limited	200	Bikaner
25	JVS Food Pvt Ltd	0.9	Bikaner
26	SBF Ispat Pvt Ltd	20.5	Bikaner
27	Shree Balaji Industrial Products Ltd	1.1	Bikaner
28	Quality Gums	0.4	Bikaner
29	Rockwood Hotels & Resorts Ltd	0.4	Bikaner
30	Vishnu Vivek Marble Industries Pvt Ltd	1.03	Bikaner
31	Vibrant Polymers LLP	1.2	Bikaner
32	Hind Chemisales	1.65	Bikaner
33	Wonder Cement	15	Bikaner
34	Wonder Cement	6	Chittorgarh
35	Poly Medicure Ltd, Jaipur	1.14	Jaipur
36	Bosch Ltd	1.2	Jaipur
37	Hero Motocorp Ltd	1.725	Jaipur
38	Sri Ramraghav Ecomills Pvt Ltd	1.75	Jaipur
39	Amplus Omega Solar Private Limited (SPV)	6.6	Jaipur
40	Ramco Industries Ltd	2.2	Jaisalmer

41	Poddar Pigments Limited	2.475	Jaisalmer
42	Shri Balaji Industrial Products Ltd	2.475	Jaisalmer
43	Reliance Green Power Pvt. Ltd.	150	
44	O2 Renewable Energy XXXIV Private Limited	28.6	Jodhpur
45	Amplus Omega Solar Private Limited (SPV)	0.604	Jodhpur
46	Cello Consumerware Pvt Ltd	1.5	Pali
47	STLC RE Limited (SPV)	9	Phalodi
48	Truere Guj SPV Pvt Ltd (SPV)	25	Phalodi
49	Municipal Board, Nathdwara	0.64	Rajsamand
50	VSV Onsite Private Limited (SPV)	0.22	Sirohi
	Total	610.164	

Details of Government and JV Solar Parks registered with RRECL

S.No.	Registration No.	Name of Utility	Park Capacity (in MW)	District
1	REP/2024/0003	RSDCL	1000	Bikaner
2	REP/2024/0004	RSDCL	1000	Bikaner
3	REP/2024/0005	RSDCL	450	Bikaner
4	REP/2024/0022	RVUNL	2000	Jaisalmer
5	SP/2019/Pro./01	RVUNL	3310	Bikaner
6	REP/2023/0107	RVUNL	2100	Bikaner
7	REP/2024/0006	RVUNL	2700	Barmer
8	REP/2024/0007	RVUNL	3100	Bikaner
9	REP/2023/0106	RVUNL	5000	Jaisalmer
10	REP/2023/0108	RVUNL	6200	Jaisalmer
11	REP/2024/0009	RVUNL	12500	Jaisalmer
12	REP/2024/0034	RVUNL	2700	Jaisalmer
13	REP/2024/0071	AREPRL	1000	Jaisalmer
14	REP/2024/0093	AREPRL	2000	Jalore
15		AREPRL	2000	Jalore
16		AREPRL	2000	Jaisalmer
17		AREPRL	2000	Jaisalmer
	Total		51,060	

List of Pipeline Solar Projects under Bidding Category

	Reg. No.	Name of Developer	Project Capacity (MW)	District
1	S/2023/0112	Acme Renewtech Private Limited	300	Bikaner
2	S/2024/0002	Acme Sigma Urja Pvt Limited	300	Chittorgarh
3	S/2024/0005	Acme Sun Power Private Limited	400	Jaisalmer
4	S/2024/0004	Acme Surya Power Private Limited	250	Jaisalmer
5	S/2024/0003	Acme Venus Urja Pvt Limited	400	Barmer
6	S/2024/0030	Acme Gamma Urja Pvt Limited	350	Jaisalmer
7	S/2024/0038	Acme Solar Holdings Limited	350	Chittorgarh
8	S/2019/0071/A	Adani Green Energy 25BL(AGE25BL)	500	Jaisalmer
9	S/2019/0071/B	Adani Green Energy 26CL(AGE26CL)	500	Jaisalmer
10	S/2019/0027/A	Adani Green Energy Four Limited (AGE24AL)	500	Jaisalmer
11	S/2019/0027/B	Adani Green Energy Four Limited (AGE24BL)	500	Jaisalmer

12	S/2019/0027/C	Adani Green Energy Four Limited (AGE24CL)	500	Jaisalmer
13	S/2019/0027/D	Adani Green Energy Four Limited (AGE24CL)	500	Jaisalmer
14	S/2019/0061/A	Adani Renewable Energy Holding Four Limited (AGE25AL)	500	Jaisalmer
15	S/2019/0061/B	Adani Renewable Energy Holding Four Limited (AGE25BL)	500	Jaisalmer
16	S/2019/0061/C	Adani Renewable Energy Holding Four Limited (AGE25CL)	500	Jaisalmer
17	S/2019/0062	Adani Green Energy Limited (AGEL)	1000	Jaisalmer
18	S/2019/0062/A	Adani Green Energy Limited (AGEL27AL)	500	Jaisalmer
19	S/2019/0062/B	Adani Green Energy Limited (AGEL26BL)	500	Jaisalmer
20	S/2019/0062/C	Adani Green Energy Limited (AGEL27BL)	500	Jaisalmer
21	S/2019/0062/D	Adani Green Energy Limited	500	Jaisalmer
22	S/2019/0140	Adani Solar Energy barmer One Pvt. Ltd.	600	Jaisalmer
23	S/2019/0024	SBE Renewable Fifteen Private Limited	300	Phalodi
24	S/2019/0025	SBE Renewable Fifteen Private Limited	300	Phalodi
25	S/2019/0085	Adani Green Energy Holding Four Limited	1000	Jaisalmer & Barmer
26	S/2019/0085/A	Adani Green Energy Holding Four Limited	1000	
27	S/2019/0072	AEW India North One Private Limited	200	Jaisalmer
28	S/2019/0043	Amp Energy Green Four Pvt Ltd	100	Phalodi
29	S/2019/0109	AVAADA RJBIKANER Private Limited	510	Bikaner
30	S/2023/0024	Avaada RJSUSTAINABLE Power Pvt Ltd	1000	Bikaner
31	S/2023/0056	AVAADA RJRENEWABLE1 Pvt. Ltd.	300	Bikaner
32	S/2023/0046	AVAADA SURYAPOWVER Pvt. Ltd.	500	Barmer
33	S/2024/0022	Avaada Suryaenergy Private Limited	1100	Bikaner
34	S/2019/0095	ABC Renewable Energy (RJ-O2) Pvt. Ltd.	400	Barmer
35	S/2023/0020	Project Eleven Renewble Power Pvt. Ltd.	150	Phalodi
36	S/2023/0021	Project Sixteen Renewble Power Pvt. Ltd.	300	Phalodi
37	S/2019/0093	Eden Renewable Passy Limited	300	Jaisalmer
38	S/2019/0188	Eden Renewable Bercy Pvt Ltd	300	Jaisalmer
39	S/2019/0249	LUCEO Solar Private Limited	300	Barmer
40	S/2023/0117	Khaba Renewables Private Limited	250	Barmer
41	S/2024/0010	Litsolaire Energy Private Limited	100	Bikaner
42	S/2023/0008	JGRJ One Solar Private Limited	200	Bikaner
43	S/2023/0011	JGRJ Solar Private Limited	100	Jodhpur
44	S/2023/0058	JGRJ TWO SOLAR PRIVATE LIMITED	400	Bikaner
45	S/2019/0060/C	JSW Renew Thirteen Energy Limited	700	Jaisalmer
46	S/2019/0060/A	JSW Renew Energy (Raj) Limited	700	Jaisalmer
47	S/2019/0060/B	JSW Renew Eleven Energy Limited	700	Jaisalmer
48	S/2024/0091	Migos Hybren Private Limited	600	Jaisalmer
49	S/2024/0089	Furies Solren Private Limited	300	Bikaner
50	S/2024/0090	Furies Solren Private Limited	300	Bikaner
51	S/2024/0071	Hazel Hybren Private Limited	300	Bikaner
52	S/2023/0007	MRS green Energy Private Limited	100	Bikaner
53	S/2023/0010	MRS green Energy Rajsthan Private Limited	50	Jodhpur
54	S/2019/0169	NTPC Renewable Energy Limited	500	Jaisalmer
55	S/2019/0064	NTPC Limited	300	Bikaner
56	S/2019/0234	NTPC Renewable Energy Limited	2000	Bikaner
57	S/2023/0059	NTPC Renewable Energy Limited	2000	Jaisalmer
58	S/2023/0100	Energizent Power Private Limited	250	Jaisalmer
59	S/2023/0091	Renew Samir Shakti Private Limited	200	Barmer
60	S/2023/0092	Renew Solar (Shakti Three) Private Limited	100	Barmer
61	S/2023/0093	Renew Solar (Shakti Three) Private Limited	300	Barmer

62	S/2019/0082	RENEW SURYA VIHAAN PRIVATE LIMITED	200	Jaisalmer
63	S/2019/0121	IB Vogt (Renew)	300	Barmer
64	S/2019/0168	Renew Dinkar Jyoti	100	Barmer
65	S/2024/0075	ReNew Solar Piyush Private Limited	300	Barmer
66	S/2024/0076	ReNew Ushma Energy Private Limited	300	Barmer
67	S/2023/0009	SJVN Green Energy Limited	100	Nagaur
68	S/2023/0115	Anboto Solar Private Limited	300	Barmer
69	S/2023/0022	Sprng Akshay Urja Private Limited	200	Jaisalmer
70	S/2024/0055	SPRNG Ojas Private Limited	300	Jalore
71	S/2024/0056	Sprng Vayu Kiran Private Limited	300	Jalore
72	S/2023/0063	Apaarava Energy Private Limited	300	Barmer
73	S/2019/0215	Juniper Bitra	300	Phalodi
74	S/2024/0021	Sunsure Solarpark Fourteen Private Limited	300	Bikaner
75	S/2024/0033	Azure Power Fifty Two Private Limited	300	Bikaner
76	S/2024/0025	Deshraj Solar Energy Private Limited	150	Bikaner
77	S/2024/0027	HRP Green Power Private Limited	300	Phalodi
78	S/2024/0044	Adyant Hydroelectricity Private Limited	150	Bikaner
79	S/2024/0070	HR Saraswati Energy Private Limited	250	Barmer
80	S/2024/0083	Vismaya Five Renewables Private Limited	300	Barmer
81	S/2024/0095	Solarcraft Power India 17 Private Limited	150	Bikaner
82	S/2024/0107	ReNew Samir Urja Private Limited	300	Jalore
83	S/2024/0110	ACME Greentech Urja Private Limited	2182	Jaisalmer
84	S/2024/0111	Zorya Solar Energy Private Limited	700	Jalore
	Total		37,042	

Details of Solar projects along with Battery Energy Storage System (BESS) registered under Rajasthan Integrated Clean Energy Policy, 2024

Sl. No.	Reg. No.	Name of Power Producer	Capacity	Capacity	District
			MW (SPV) Solar	MWh (BESS) BESS	
1	S/BESS/2024/0001	Acme Solar Holdings Limited, Gurugram (Project-1)	300	300	Jaisalmer
2	S/BESS/2024/0002	Acme Solar Holdings Limited, Gurugram (Project-2)	300	300	Jaisalmer
3	S/BESS/2024/0003	Acme Solar Holdings Limited, Gurugram (Project-3)	300	300	Jaisalmer
4	S/BESS/2024/0004	Acme Solar Holdings Limited, Gurugram (Project-4)	300	300	Jaisalmer
5	S/BESS/2024/0005	Acme Heergarh Powertech Private Limited, Gurugram	300	300	Jaisalmer
6	S/BESS/2024/0006	Serentica Renewables India 14 Pvt Limited	140	540	Bikaner
7	S/BESS/2024/0007	M/s Acme Suryodaya Private Limited	300	300	Jaisalmer
8	S/BESS/2024/0008	M/s Acme Surya Private Limited	250	250	Bikaner
9	S/BESS/2024/0009	M/s Acme Sun Power Private Limited	300	300	Phalodi and Bikaner
10	S/BESS/2024/0010	Puneet Greentech	1000	1000	Bikaner

11	S/BESS/2024/0011	Solarcraft Power India 17 Private Limited	150	300	Bikaner
12	S/BESS/2024/0012	Avaada RJBikaner Private Limited	1128	2500	Bikaner
13	S/BESS/2024/0013	ACME Renewtech Seventh Private Limited	300	1500	Bikaner
14	S/BESS/2024/0014	Vismaya Four Renewables Pvt Ltd	300	600	Bikaner
	Total		5368	8790	

Details of Wind-Solar Hybrid Parks

Sl. No.	Policy	Regn. No.	Name of Developer	Capacity (MW)	District
1	Wind and Hybrid Policy-2019	S/2019/0218	M/s Juniper green stellar Pvt. Ltd.	365	Jaisalmer
2	RE Polciy-2023	H/0004/2023	CGE-II Hybrid Energy Pvt. Ltd.	150	Barmer & Jaisalmer
3	RE Polciy-2023	H/0006/2023	ABREL (RJ) Projects Limited	260	Jaisalmer
4	RE Polciy-2023	H/0005/2023	Aditya Birla Renewables Energy Limited	70	Barmer
5	RE Polciy-2023	H/0007/2023	Aditya Birla Renewables Subsidiary Limited	390	Barmer
6	RICE Policy-2024	H/0001/2024	M/s JSW Energy Thirty Two Limited	68	Jaisalmer
7	RICE Policy-2024	H/0002/2024	M/s Juniper green Light Ten	370	Jaisalmer and Barmer
	Total			1,673	