

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 294**  
ANSWERED ON 08.12.2022

**WIND SOLAR HYBRID PARK**

294. SHRI HEMANT TUKARAM GODSE

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

- (a) whether the Government has identified any location to set up wind park or wind solar hybrid park in the country;
- (b) if so, the details thereof, State-wise including Gujarat and Maharashtra;
- (c) whether the interest of the people across the country has increased towards solar and wind energy;
- (d) if so, the details thereof; and
- (e) if not, the steps taken by the Government to encourage them?

**ANSWER**

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

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

(a) & (b) The State-wise details of probable sites identified for setting up wind or wind solar hybrid park are given at **Annexure I**. Further, the State-wise estimated potential of wind and solar energy, including Gujarat and Maharashtra, are given at **Annexure II**.

(c) & (d) The installed solar and wind capacities have increased rapidly between FY 2014-15 and FY 2022-23 indicating the increased interest towards solar and wind energy. The cumulative installed capacity of solar energy has increased from 2821 MW in March 2014 to 61624 MW in October 2022. The cumulative installed capacity of wind energy has increased from 21131 MW in March 2014 to 41843 MW in October 2022.

(e) Does not arise in view of the reply to (c) & (d) above.

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**Annexure I referred to in reply to part (a) & (b) of the Lok Sabha Unstarred Question No. 294 for 08.12.2022**

<b>State</b>	<b>District</b>	<b>Area (Sq. km.) available</b>	<b>Average Wind Speed (m/s)</b>	<b>Installable Potential (MW) [assuming 5 MW/ Sq. km.]</b>
Tamil Nadu	Tirunelveli	68	7.326	340
	Tuticorin	169	6.998	845
	Coimbatore & partially Palakkad (Kerala)	351	8.588	1755
	Tiruchirappalli & Perambalur	547	7.093	2735
Karnataka	Tumakuru	530	7.307	2650
	Chitradurga & Davangere	640	7.132	3200
	Bellary & Davangere	924	7.139	4620
	Chitradurga	269	7.153	1345
	Chitradurga & Davangere	380	7.194	1900
Gujarat	Junagadh & Porbandar	2900	7.017	14500
	Kutch	771	7.329	3855
	Kutch	680	7.510	3400
	Kutch	590	7.434	2950
	Kutch	308	7.297	1540
Rajasthan	Barmer	265	6.50	1325
	Barmer	109	6.52	545
Madhya Pradesh	West Nimar	220	6.91	1100
Telangana	Ranga Reddy	346	7.14	1730
	Ranga Reddy	197	6.61	985
Andhra Pradesh	Anantapur	361	7.13	1805
<b>Total (MW)</b>				<b>53,125</b>

Annexure II referred to in reply to part (a) & (b) of the Lok Sabha Unstarred

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<b>State-wise estimated potential of wind and solar energy</b>			
<b>Sl. No.</b>	<b>States/ UTs</b>	<b>Wind @ 120m above ground level (MW)</b>	<b>Solar (MW)</b>
1	Andhra Pradesh	74906	38440
2	Arunachal Pradesh	274	8650
3	Assam	246	13760
4	Bihar	3650	11200
5	Chhatisgarh	348	18270
6	Goa	8	880
7	Gujarat	142560	35770
8	Haryana	419	4560
9	Himachal Pradesh	151	33840
10	Jammu & Kashmir	3	111050
11	Jharkhand	0	18180
12	Karnataka	124155	24700
13	Kerala	2311	6110
14	Madhya Pradesh	15404	61660
15	Maharashtra	98213	64320
16	Manipur	0	10630
17	Meghalaya	1	5860
18	Mizoram	0	9090
19	Nagaland	0	7290
20	Orissa	8346	25780
21	Punjab	278	2810
22	Rajasthan	127756	142310
23	Sikkim	0	4940
24	Tamil Nadu	68750	17670
25	Telangana	24835	20410
26	Tripura	0	2080
27	Uttar Pradesh	101	22830
28	Uttarakhand	54	16800
29	West Bengal	1050	6260
30	Andaman & Nicobar	1277	0
31	Chandigarh	0	0
32	Dadar & Nagar Haveli	0	0
33	Daman & Diu	0	0
34	Delhi	0	2050
35	Lakshwadeep	31	0
36	Pondicherry	382	0
37	Others		790
	<b>Total</b>	<b>695509.00</b>	<b>748990.00</b>