GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 298
ANSWERED ON 19.07.2022

ASSESSMENT OF SOLAR ENERGY GENERATION

298#. SHRI NEERAJ DANGI

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

(a) whether any assessment has been done by Government in the country about solar energy generation, if so, the details thereof;
(b) the details of the amount allocated and utilised for solar energy development in the country during the last three years, State-wise; and
(c) whether Government is aware about the hurdles being faced in the field of solar energy, if so, the details thereof?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) Yes, Sir. The National Institute of Solar Energy, an Autonomous Institute under aegis of this Ministry has assessed the solar energy potential in the country as 750 GW.

(b) The State-wise details of financial assistance provided under solar energy programmes of MNRE during the last three years are given at **Annexure**.

(c) The major challenges in implementation of solar energy projects inter-alia involve following:

- acquisition of clear land,
- mismatch in timelines between solar projects and power evacuation infrastructure;
- environmental issues like the Great Indian Bustard (GIB) issue in Rajasthan and Gujarat;
- regulatory challenges in States (example- Andhra Pradesh, Gujarat) like non-approval in time of solar tariff by SERCs;
- Deceleration of pace of implementation of solar projects to a considerable extent due to COVID pandemic.

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ANNEXURE REFERRED TO IN REPLY TO PART (b) RAJYA SABHA UNSTARRED QUESTION NO. 298 FOR 19.07.2022

STATE-WISE DETAILS OF FUNDS RELEASED UNDER SOLAR PROGRAMMES DURING LAST THREE YEARS

(Rs. in Crore)

S.No.	State	2018-19	2019-20	2020-21	2021-22
1	Andhra Pradesh	276.17	194.04	51.49	10.48
2	Arunachal Pradesh	0.00	17.01	19.76	10.54
3	Andaman & Nicobar	0.00	6.77	0.35	37.97
4	Assam	0.00	33.07	0.00	9.19
5	Bihar	5.48	1.38	2.93	0.00
6	Chandigarh	18.76	5.13	0.85	0.00
7	Chhattisgarh	127.70	13.45	0.00	7.10
8	Delhi	0.00	0.60	23.29	26.17
9	Goa	0.00	0.50	0.00	3.59
10	Gujarat	417.99	81.19	101.30	1242.71
11	Haryana	27.50	22.44	65.89	175.08
12	Himachal Pradesh	28.05	8.09	23.43	33.44
13	Jammu & Kashmir	10.53	16.68	4.89	42.26
14	Jharkhand	33.44	29.79	31.28	15.16
15	Karnataka	69.52	219.51	160.64	141.91
16	Kerala	5.50	0.00	18.46	36.34
17	Ladakh	0.00	0.00	0.00	12.41
18	Lakshadweep	0.00	0.00	0.00	0.00
19	Madhya Pradesh	132.90	159.33	93.69	64.95
20	Maharashtra	182.63	117.32	114.48	95.16
21	Manipur	0.00	16.86	23.06	14.89
22	Meghalaya	1.57	3.47	1.13	0.00
23	Mizoram	0.00	15.33	19.73	2.35
24	Nagaland	6.93	13.55	10.69	5.86
25	Odisha	30.76	30.17	4.01	33.47
26	Puduchchery	0.10	0.79	0.00	0.00
27	Punjab	39.54	25.94	31.85	65.29
28	Rajasthan	237.01	213.31	668.67	305.84
29	Sikkim	2.74	0.00	0.00	0.03
30	Tamil Nadu	42.33	29.29	86.08	60.92
31	Telangana	53.15	54.50	54.03	49.11
32	Tripura	0.00	12.65	18.49	16.88
33	Uttarakhand	30.93	24.86	8.99	28.93
34	Uttar Pradesh	95.78	92.83	68.91	46.90
35	West Bengal	11.28	15.70	0.00	0.00
36	Others (CEL,REL, NABARD, Regional Rural Banks, NGOs, etc.) and other Channel Partners	281.07	115.61	145.91	38.99
	Total	**2169.36**	**1591.15**	**1854.28**	**2633.92**