

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 4045**  
TO BE ANSWERED ON 12.12.2019

**SOLAR WATER PUMPS**

4045. SHRI RAJESHBHAI CHUDASAMA

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

- (a) the number of solar water pumps that have been distributed to the farmers during the last three years and the percentage of land that was brought under irrigation by these pumps, State/UT wise;
- (b) whether solar water pumps are feasible to the farmers having small land holdings;
- (c) if so, the details thereof; and
- (d) the steps taken by the Government to increase the use of solar water pumps?

**ANSWER**

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and MoS  
for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) During last three years and current year, till 31.10.2019, total 1.81 lakh standalone solar pumps have been installed throughout the country under schemes being implemented by Ministry of New and Renewable Energy. State/ UT-wise number of solar pumps installed is placed at **Annexure**.

The area of land brought under irrigation through these solar pumps depends upon several factors including capacity of pump, type of crop, ground water level, etc. In general, a 5 HP capacity solar water pump linked with micro irrigation system covers an area of 2.5 hectares for irrigation.

(b) to (d) Under Kisan Urja Suraksha evam Utthaan Mahabhiyaan (PM-KUSUM) Scheme priority would be given to small and marginal farmers for installation of solar water pumps up to 7.5 HP capacity for which central financial assistance (CFA) of 30% of the benchmark cost or the tender cost, whichever is lower, of the stand-alone solar pump is provided. The State Government also provides subsidy up to 30% or higher. Higher CFA of 50% of the benchmark cost or the tender cost, whichever is lower, is provided in case of North Eastern states including Sikkim; states of Himachal Pradesh and Uttarakhand; UTs of Jammu & Kashmir and Ladakh; and island UTs of Lakshadweep and A&N.

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**Annexure referred to in reply to part (a) of Lok Sabha Unstarred Question No. 4045 for 12/12/2019  
regarding 'SOLAR WATER PUMPS'  
State-wise Year-wise Installation of Solar Pumps**

	States	2016-17	2017-18	2018-19	2019-20*	Total
1	Andhra Pradesh	4841	13925	9501	0	28267
2	Arunachal Pradesh	4	0	0	0	4
3	Assam	0	0	0	0	0
4	Bihar	0	0	225	0	225
5	Chhattisgarh	9585	28297	22548	0	60430
6	Delhi	0	0	0	0	0
7	Goa	0	0	0	0	0
8	Gujarat	5649	3471	0	0	9120
9	Haryana	0	750	0	0	750
10	Himachal Pradesh	0	0	0	0	0
11	Jammu & Kashmir	0	0	0	0	0
12	Jharkhand	3146	556	155	433	4290
13	Karnataka	697	1359	1507	0	3563
14	Kerala	0	8	0	0	8
15	Madhya Pradesh	2007	1771	12229	0	16007
16	Maharashtra	1777	1287	1000	5022	9086
17	Manipur	0	0	0	0	0
18	Meghalaya	0	0	0	0	0
19	Mizoram	0	0	0	0	0
20	Nagaland	0	0	0	0	0
21	Orissa	5922	1718	530	224	8394
22	Punjab	0	0	2000	0	2000
23	Rajasthan	9867	0	6985	0	16852
24	Sikkim	0	0	0	0	0
25	Tamil Nadu	849	0	221	475	1545
26	Telangana	424	0	0	0	424
27	Tripura	0	0	0	0	0
28	Uttar Pradesh	5644	1223	8382	81	15330
29	Uttarakhand	0	0	0	0	0
30	West Bengal	605	0	0	0	605
31	Andaman & Nicobar	0	0	0	0	0
32	Chandigarh	0	0	0	0	0
33	Lakshadweep	0	0	0	0	0
34	Puducherry	0	0	0	0	0
35	Others	0	0	609	0	609
36	Through NABARD	2027	1985	0	0	4012
	<b>Total</b>	<b>53044</b>	<b>56350</b>	<b>65892</b>	<b>6235</b>	<b>181521</b>

\* Data for 2019-20 till 31.10.2019

