

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-3685
ANSWERED ON-18.03.2021

EMPLOYMENT OPPORTUNITIES IN SOLAR ENERGY SECTOR

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

(a) the number of employment opportunities created by solar energy sector in the country during the last three years and the current year, year and state-wise?

ANSWER

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

(SHRI R.K. SINGH)

(a) The Government has not carried out any study on employment generation in solar energy sector during the last three financial years (2017-18 to 2019-20) and current financial year. However, as per the study viz. "Powering Jobs Growth With Green Energy" carried out by Council on Energy, Environment and Water (CEEW) in July, 2019, the Full Time Employment Coefficient is 24.72 jobs-year per MW for Rooftop solar and 3.45 jobs-year per MW for Utility-Scale Ground-Mounted solar projects. As per this analysis, 1,69,820 number of jobs were created for Rooftop and Utility-Scale Ground-Mounted solar energy projects during the last three financial years (2017-18 to 2019-20) and current financial year as on 28.02.2021. No study is available with regard to the jobs created in off-grid solar energy projects and solar manufacturing.

The state-wise and year-wise estimates of the jobs created for solar Rooftop and Utility-Scale Ground-Mounted solar energy projects during the above mentioned period is given at **Annexure**.

State-wise and year-wise estimation of number of jobs created from Solar Energy Projects (Rooftop & Utility Scale Ground Mounted) during last 3 financial years (2017-18 to 2019-20) and current financial year upto February, 2021

Sl. No.	States/UTs	Total no. of jobs created			
		F.Y. 2017-18	F.Y. 2018-19	F.Y. 2019-20	F.Y. 2020-21 as on 28/02/2021
1	Andaman & Nicobar	0	75	11	59
2	Andhra Pradesh	1763	3304	2436	2402
3	Arunachal Pradesh	105	0	5	0
4	Assam	2	246	465	44
5	Bihar	117	0	225	196
6	Chandigarh	167	235	144	114
7	Chhattisgarh	407	0	0	377
8	Dadar & Nagar	9	0	0	0
9	Daman & Diu	1	95	133	511
10	Delhi	439	1288	946	687
11	Goa	1	58	22	66
12	Gujarat	2057	7895	5907	12823
13	Haryana	1031	190	683	3849
14	Himachal Pradesh	0	181	253	93
15	Jammu & Kashmir	0	152	110	35
16	Jharkhand	8	229	85	253
17	Karnataka	14953	4592	5638	918
18	Kerala	116	108	90	1774
19	Lakshadweep	0	0	0	0
20	Madhya Pradesh	1684	2186	1791	1279
21	Maharashtra	4161	2091	1289	10791
22	Manipur	1	84	43	30
23	Meghalaya	0	2	0	0
24	Mizoram	2	7	25	0
25	Nagaland	12	0	0	0
26	Odisha	4	1250	77	96
27	Pondicherry	2	74	59	94
28	Punjab	359	0	1015	307
29	Rajasthan	2281	5234	8739	4638
30	Sikkim	0	0	1	0
31	Tamil Nadu	1102	2994	4903	5029
32	Telangana	7291	1862	474	2400
33	Tripura	0	0	107	0
34	Uttar Pradesh	1527	2192	1104	4339
35	Uttarakhand	137	1154	226	927
36	West Bengal	68	332	527	236
Total		39806	38111	37535	54368

Total no of jobs created in Solar Energy (Rooftop & Utility Scale Ground Mounted) Sector during last 4 years- 1,69,820 nos.