

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
STARRED QUESTION NO. 149
ANSWERED ON 20.12.2022

RENEWABLE ENERGY IN GOVERNMENT INSTITUTIONS

*149. SHRI VIKRAMJIT SINGH SAHNEY

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

- (a) the details of all Government institutions which are using new and renewable energy, State-wise and district-wise for Punjab;
- (b) the details of carbon foot print which these institutions are saving by using renewable energy; and
- (c) the funds utilised for setting up and maintenance of renewable energy in Government institutions?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a)to(c) A Statement is laid on the Table of the House.

Statement referred to in reply to parts (a) to (c) of Rajya Sabha Starred Question No. 149 to be answered on 20.12.2022 regarding *Renewable energy in Government institutions*

(a)to(c) Among renewable energy projects, mainly rooftop solar is installed in the Government buildings. Cumulatively, a capacity of around 725 MW of grid connected rooftop solar PV systems has been reported installed in various Government buildings in the country, details of which are given at **Annexure-I**, state-wise. Around 25.6 MW is reported installed in the State of Punjab. District-wise details for Punjab are given in **Annexure-II**.

Generation of solar power from rooftop solar of capacity 725 MW is estimated to result in emission reduction of about 0.859 million tons of CO₂, annually.

A majority of rooftop solar installations in Government buildings are under RESCO mode, where no investment is required from the Government and the RESCO developer installs and maintains the plant for the PPA period, which is generally 25 years.

Annexure-I referred to in reply to part (a) to (c) of the Rajya Sabha Starred Question No. 149 to be answered on 20.12.2022

State-wise cumulative rooftop solar capacity installed in the Government buildings

S.No.	State /UTs	capacity (MW)
1	Andaman and Nicobar Islands	4.59
2	Andhra Pradesh	36.00
3	Arunachal Pradesh	1.98
4	Assam	25.70
5	Bihar	23.82
6	Chandigarh	26.74
7	Chhattisgarh	13.31
8	Goa	1.86
9	Gujarat	40.59
10	Haryana	20.92
11	Himachal Pradesh	6.99
12	Jammu and Kashmir	17.50
13	Jharkhand	36.35
14	Karnataka	16.93
15	Kerala	14.94
16	Ladakh	0.00
17	Lakshadweep	0.00
18	Madhya Pradesh	46.28
19	Maharashtra	33.16
20	Manipur	2.56
21	Meghalaya	0.05
22	Mizoram	0.51
23	Nagaland	2.83
24	Delhi	89.64
25	Orissa	9.54
26	Puducherry	2.34
27	Punjab	25.59
28	Rajasthan	10.93
29	Sikkim	0.52
30	Tamil Nadu	24.14
31	Telangana	22.83
32	Dadra and Nagar Haveli and Daman and Diu	5.61
33	Tripura	2.80
34	Uttar Pradesh	110.52
35	Uttarakhand	5.21
36	West Bengal	41.84
	Total	725.11

Annexure-II referred to in reply to part (a) to (c) of the Rajya Sabha Starred Question No. 149 to be answered on 20.12.2022

District-wise cumulative rooftop solar capacity installed in the Government buildings in the state of Punjab

S. No	District	Capacity in kW
1	Amritsar	2740
2	Barnala	490
3	Bathinda	2825
4	Fatehgarh Sahib	470
5	Faridkot	560
6	Ferozpur	760
7	Fazilka	910.9
8	Gurdaspur	1200
9	Hoshiarpur	1770
10	Jalandhar	2425
11	Kapurthala	1040
12	Ludhiana	2432
13	Mohali	912
14	Mansa	710
15	Patiala	1506
16	Ropar	1232
17	Sangrur	940
18	Sri Muktsar Sahib	895
19	SBS Nagar (Nawanshahar)	667
20	Tarn Taran	913
21	Chandigarh	197
	Total	25594.9