

LOK SABHA
UNSTARRED QUESTION No. 4137
TO BE ANSWERED ON 13.08.2015

Subsidy on Roof Top Solar Panels

	<p>KUMARI SHOBHA KARANDLAJE: SHRI S. RAJENDRAN: SHRI R. GOPALAKRISHNAN:</p> <p>Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:</p>		<p>SHRI PIYUSH GOYAL</p> <p>MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY (INDEPENDENT CHARGE)</p>
	<p>QUESTION</p>		<p>ANSWER</p>
<p>(a)</p>	<p>whether the Government has made any assessment of the potential of solar roof top projects and if so, the details thereof along with the steps taken/being taken to exploit the same;</p>	<p>(a)</p>	<p>National Institute of Solar Energy has estimated a potential for installation of about 42.8 GWp solar roof top projects in the country. Under 'Grid Connected Rooftop and Small Solar Power Plants Programme' of the Ministry, 360 MWp projects have been sanctioned and 54.187 MWp aggregate capacity of projects have been installed. The following steps are being taken by the Government to exploit the potential:</p> <ul style="list-style-type: none"> ➤ Target set for installation of 40 GWp by year 2022. ➤ 15% Government subsidy for non-commercial and non-industrial categories for using domestic solar panels ➤ Accelerated depreciation benefits for industrial and commercial buildings ➤ Custom duty concessions and excise duty exemptions ➤ 10 years tax holiday ➤ Loans available under Priority Sector Lending upto Rs. 10 lakhs for individuals ➤ Provision of bank loans as a part of home loan/ home improvement loan ➤ Loans for system aggregators from Indian Renewable Energy Development Agency Limited (IREDA) at concessional interest rate (9.9% to 10.75% per annum) <p>Electricity Regulatory Commissions of 19 States/UTs have notified regulations for grid connectivity, net-metering/ feed-in-tariff mechanism.</p>
<p>(b)</p>	<p>whether the Government has proposed to reduce the subsidy on roof top solar power panels to 15% from the present level of 30% due to decline in the price of solar panels and limited availability of funds, if so, the details thereof and the reasons therefor;</p>	<p>(b)</p>	<p>The subsidy now admissible for new sanctions of grid connected solar roof top systems is 15%. For off-grid solar systems subsidy is 30%.</p>

(c)	the number of families who have been provided subsidy for installing such plants in various States including Karnataka, State-wise; and	(c)	Ministry has provided subsidy for 11,26,921 solar home lighting systems, 1,08,074 kWp solar power plants in residential and institutional sectors. Further, aggregate 54187 kWp grid connected solar rooftop systems have also been commissioned. State-wise details are given in Annexure.
(d)	the life span of such roof top solar panels and their batteries?	(d)	The typical life of grid connected solar roof top plants is 25 years and these systems are without battery back-up. Battery life is from 5 to 10 years with lead-acid battery thereafter, replacement of battery may be required.

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
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SUBSIDY ON ROOF TOP SOLAR PANELS

4137. KUMARI SHOBHA KARANDLAJE:
SHRI S. RAJENDRAN:
SHRI R. GOPALAKRISHNAN:

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

- (a) whether the Government has made any assessment of the potential of solar roof top projects and if so, the details thereof along with the steps taken/being taken to exploit the same;
- (b) whether the Government has proposed to reduce the subsidy on roof top solar power panels to 15% from the present level of 30% due to decline in the price of solar panels and limited availability of funds, if so, the details thereof and the reasons therefor;
- (c) the number of families who have been provided subsidy for installing such plants in various States including Karnataka, State-wise; and
- (d) the life span of such roof top solar panels and their batteries?

ANSWER

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY
(INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a): National Institute of Solar Energy has estimated a potential for installation of about 42.8 GWp solar roof top projects in the country. Under 'Grid Connected Rooftop and Small Solar Power Plants Programme' of the Ministry, 360 MWp projects have been sanctioned and 54.187 MWp aggregate capacity of projects have been installed. The following steps are being taken by the Government to exploit the potential:

- Target set for installation of 40 GWp by year 2022.
- 15% Government subsidy for non-commercial and non-industrial categories for using domestic solar panels
- Accelerated depreciation benefits for industrial and commercial buildings
- Custom duty concessions and excise duty exemptions
- 10 years tax holiday
- Loans available under Priority Sector Lending upto Rs. 10 lakhs for individuals
- Provision of bank loans as a part of home loan/ home improvement loan
- Loans for system aggregators from Indian Renewable Energy Development Agency Limited (IREDA) at concessional interest rate (9.9% to 10.75% per annum)

Electricity Regulatory Commissions of 19 States/UTs have notified regulations for grid connectivity, net-metering/ feed-in-tariff mechanism.

(b): The subsidy now admissible for new sanctions of grid connected solar roof top systems is 15%. For off-grid solar systems subsidy is 30%.

(c): Ministry has provided subsidy for 11,26,921 solar home lighting systems, 1,08,074 kWp solar power plants in residential and institutional sectors. Further, aggregate 54187 kWp grid connected solar rooftop systems have also been commissioned. State-wise details are given in Annexure.

(d): The typical life of grid connected solar roof top plants is 25 years and these systems are without battery back-up. Battery life depends on the type of battery used, maintenance, ambient temp etc.

Annexure

Annexure referred in reply to Part (c) of Lok Sabha Unstarred Question No. 4137 to be answered on 13.08.2015.

State-wise details of home lighting systems, stand-alone solar power plants and grid connected solar rooftop systems installed in the country

Sl. No.	State/UTs	Home lighting systems (nos.)	Stand-alone solar power plants (kWp)	Grid connected solar rooftop systems (kWp)
1	Andhra Pradesh	22890	2587	2455
2	Arunachal Pradesh	18945	530	0
3	Assam	6663	1210	0
4	Bihar	7376	842	0
5	Chhattisgarh	7254	18117	1750
6	Goa	393	32	0
7	Gujarat	9253	10738	9750
8	Haryana	56364	1327	1130
9	Himachal Pradesh	22592	1376	0
10	Jammu & Kashmir	65283	4339	1000
11	Jharkhand	9398	481	0
12	Karnataka	49632	2463	1900
13	Kerala	40412	849	0
14	Madhya Pradesh	4002	2521	100
15	Maharashtra	3478	1855	670
16	Manipur	3900	812	0
17	Meghalaya	7840	424	0
18	Mizoram	6801	890	0
19	Nagaland	1045	1050	0
20	Orissa	5232	237	860
21	Punjab	8626	1202	7520
22	Rajasthan	144564	9820	300
23	Sikkim	15059	795	0
24	Tamil Nadu	80056	6882	6600
25	Tripura	32723	365	0
26	Uttar Pradesh	235834	6263	1080
27	Uttarakhand	91350	628	3412
28	West Bengal	145141	1126	630
29	Andaman & Nicobar	468	167	0
30	Chandigarh	275	730	5300
31	Delhi	0	571	8190
32	Lakshadweep	0	1090	0
33	Puducherry	25	40	0
34	Telangana	0	1833	1540
35	Others	24047	23885	0
	Total	1126921	108074	54187

