

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) In 2017-18, tenders of 18.07 GW for installation of solar power capacity were floated. Further, in the current year, tenders of 13.34 GW have been floated so far.

(b) A tender of 10 GW solar power project has been floated with requirement of creating a manufacturing base of 3 GW of solar panels in India. This will help in creating domestic manufacturing capability.

(c) Yes, Sir.

(d) and (e) In order to ramp up renewable energy production in the country, the Government has set a target of installing 175 GW of renewable energy capacity by the year 2022. This includes 100 GW from solar, 60 GW from wind, 10 GW from biomass and 5 GW from small hydro. Renewable Energy projects of 71.33 GW capacity have been installed in the country as on 30.06.2018. This includes 34.29 GW wind power, 23.02 GW of solar power, 4.50 GW small hydro, 9.38 GW biomass power and remaining 0.14 GW from waste to power.

#### **Rent a Roof Policy**

1578. SHRI RANJIB BISWAL: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government is working on a "Rent a Roof" Policy to support its ambitious plan to generate 40 GW of power from Solar Rooftop Projects by 2022;

(b) if so, the details thereof;

(c) whether Government has held any consultations with all the stakeholders in this regard and if so, the details thereof; and

(d) the time by which the policy is likely to be finalised and implemented?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) No Sir. However, a lease model is permitted, wherein any enterprise can take a roof on lease and set-up rooftop solar power plant.

(b) to (d) Do not arise.

#### **Waste to energy plants in the country**

1579. DR. L. HANUMANTHANIAH: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government set up waste to energy plants in the country;

- (b) if so, the details thereof;
- (c) what is the total number of waste to energy Plants operating in the country;
- (d) the details of the number of Plants, State-wise;
- (e) whether the said plants are functioning to meet the desired objectives of their installation; and
- (f) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) to (d) Yes, Sir. A total of 92 plants with aggregate capacity of 249.74 MW have been set up in the country with the support from Ministry of New and Renewable Energy (MNRE) to generate power from agricultural, urban, industrial and municipal solid wastes. In addition 89 projects also installed in the country with the support of MNRE to generate biogas or bio-CNG from various types of waste. The State-wise details of the number of plants are given in the Statement (*See below*).

(e) and (f) The main objective for setting up of these plants is to utilize the available agricultural, urban, industrial and municipal solid wastes to generate power or biogas or bio-CNG. The installed plants are working properly with the desired objective.

**Statement**

*State-wise details of the number of waste to energy plants as on 30.06.2018*

Sl.No.	State/UT	Power (No. of plants)	Biogas (No. of plants)	Bio-CNG (No. of plants)	Total
1	2	3	4	5	6
1.	Andhra Pradesh	15	5	-	20
2.	Bihar	-	1	-	1
3.	Chhattisgarh	1	-	-	1
4.	Delhi	3	-	-	3
5.	Gujarat	10	4	2	16
6.	Haryana	2	-	2	4
7.	Himachal Pradesh	-	1	-	1

1	2	3	4	5	6
8.	Karnataka	4	3	1	8
9.	Kerala	-	1	-	1
10.	Madhya Pradesh	3	3	1	7
11.	Maharashtra	14	8	3	25
12.	Punjab	5	5	1	11
13.	Rajasthan	1	-	2	3
14.	Tamil Nadu	6	28	-	34
15.	Telangana	4	4	-	8
16.	Uttar Pradesh	22	5	1	28
17.	Uttarakhand	2	5	1	8
18.	West Bengal	-	2	-	2
TOTAL		92	75	14	181

**Target of installation of roof top solar power  
plants by households**

1580. DR. KANWAR DEEP SINGH: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is fact that despite 30 per cent subsidy, only 400 MW installation has been done as rooftop solar power plants by households;

(b) if so, the details and the reasons thereof; and

(c) what was the target and timeline for achieving that?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) to (c) So far, about 1104 MW aggregate capacity grid connected rooftop solar projects have been reported installed in the country of which about 134 MW capacity has been installed in the residential sector.

Under the present rooftop solar scheme, which was approved by the Government in December, 2015, an aggregated capacity of 2100 MW is targeted to be achieved in residential, institutional, social and Government sector through central financial assistance by the year 2019-20.