

(January 2012) and in 13 months for batch II (February 2013). The projects based on solar thermal technology were allowed a period of 28 months (May 2013). An extra period of up to 6 months is allowed against encashment of bank guarantees and payment of liquidated damages as per JNNSM guidelines.

(d) It is reported that projects of aggregate capacity of 221 MW have been commissioned so far under JNNSM subject to verification of documents.

Targets under JNNSM

1358. SHRIMATI NAZNIN FARUQUE: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government has plans to install 20 million solar lights and 20 million square meters of solar thermal panels to generate 20,000 MWs by 2020, as part of its Jawaharlal Nehru National Solar Mission;

(b) if so, the details thereof, State-wise; and

(c) the number of solar lights installed in the country till date, State-wise?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) Government has plans to install 20 million solar lights by 2022. Government also has plans to install 20 million square meters of solar thermal collector area for water heating system by 2022. For generation of power, Government has separately planned for grid connected solar power projects totaling 20,000 MW and 2000 MW off-grid applications by 2022.

(b) The above targets are at national level. The details are given in Statement-I (See below)

(c) Number of solar lights installed in the country is given in Statement-II.

Statement-I

Target of JNNSM

Application Segment	Target for Phase I (2010-13)	Cumulative Target for Phase-II (2013-17)	Cumulative Target for Phase-III (2017-22)
Grid Solar power incl. roof top and distributed small grid connected plants	1100 MW	4,000 MW	20,000 MW
Off-Grid Solar Application	200 MW	1,000 MW	2,000 MW
Solar Collectors	7 million sq. Meters	15 million Sq. meters	20 million sq.meters

Statement-II*State-wise cumulative installation of solar lighting systems (29.2.2012)*

Sl.No.	State/UT	Lanterns	Home Lights Numbers	Street Lights
1	2	3	4	5
1.	Andaman and Nicobar	6296	405	358
2.	Andhra Pradesh	38544	1998	4186
3.	Arunachal Pradesh	14433	10349	1071
4.	Assam	1211	5870	98
5.	Bihar	50117	6471	955
6.	Chandigarh	1675	275	898
7.	Chhattisgarh	3192	7233	1923
8.	Delhi	4807	0	301
9.	Goa	1065	362	707
10.	Gujarat	31603	9231	2004
11.	Haryana	73116	49668	20074
12.	Himachal Pradesh	22970	16848	4072
13.	Jammu and Kashmir	43822	23083	5806
14.	Jharkhand	16374	7312	620
15.	Karnataka	7334	37348	2694
16.	Kerala	54367	32326	1735
17.	Lakshadweep	5289	0	1725
18.	Madhya Pradesh	9444	2917	6138
19.	Maharashtra	68683	3434	8420
20.	Manipur	4787	3865	928
21.	Meghalaya	24875	7840	1273
22.	Mizoram	8331	5395	431
23.	Nagaland	6317	868	271
24.	Orissa	9882	5156	5834

1	2	3	4	5
25.	Puducherry	1637	25	417
26.	Punjab	17495	8620	5354
27.	Rajasthan	4716	91754	6852
28.	Sikkim	5200	4640	242
29.	Tamil Nadu	16818	7536	6350
30.	Tripura	42360	26066	1199
31.	Uttar Pradesh	60188	147546	91727
32.	Uttarakhand	64023	91307	8568
33.	West Bengal	17662	130901	8076
34.	Others	125797	24047	9150
	TOTAL	864430	770696	210457
		8644300	28515752	15573818

Development of solar energy sector

1359. SHRI ANIL MADHAV DAVE: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is a fact that US has expressed interest in developing solar energy sector in India; and

(b) if so, whether they have identified any areas for solar projects and if so, the details thereof?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) and (b) US companies are participating in bidding for solar power projects. US agencies both Governmental and Non-Governmental are interacting with various agencies in India on solar energy.

Solar lighting systems under JNNSM

1360. SHRI RAM KRIPAL YADAV: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government has started the Jawaharlal Nehru National Solar Mission (JNNSM) in January, 2010 to deploy 20 million solar lighting systems in rural areas of the country;

(b) if so, how many systems have already been installed till February, 2012 and where;