

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2144
TO BE ANSWERED ON 10.03.2016

TIE-UP WITH NORWAY FOR SOLAR ENERGY GENERATION

2144. SHRI SANTOSH KUMAR:

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

- (a) whether the Government has any tie-up with Norway for the development of solar and wind energy in the country, if so, the details thereof;
- (b) whether Norway has suggested to include maximum number of villages in rural electrification through solar and wind energy;
- (c) if so, the details thereof;
- (d) the status of rural electrification through solar and wind energy system in the country, State/UT-wise including Bihar; and
- (e) the details of action plan drawn by the Government to extract the potential of solar energy in every State including Bihar?

ANSWER

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

(a),(b)&(c): Yes, Madam. A pilot project was jointly taken up by the Ministry of New and Renewable Energy (MNRE) and Norwegian Agency for Development Cooperation (NORAD), Government of Norway during 2009-10. The project was implemented through Indian Renewable Energy Development Agency (IREDA) with the assistance of local NGOs for electrification of 28 villages in the state of Jharkhand, Madhya Pradesh, Uttar Pradesh and Leh area of Jammu & Kashmir with an aggregate capacity of 290.58 KWp. The details of 28 villages electrified under the pilot project is given in Annexure-I.

(d): Details of villages electrified in States / UTs including Bihar is given in Annexure-II.

(e): Government has fixed a target of 1 lakh MW of grid connected solar power projects to be installed in the country by 2022 which includes Bihar. Details of Solar Energy Potential, State / UT wise including Bihar is given in Annexure-III.

Annexure-I referred to in reply to parts (a), (b)&(c) of the Lok Sabha Unstarred Question No. 2144 to be answered on 10th March, 2016 regarding "Tie-up with Norway for Solar Energy Generation".

List of 28 villages electrified under the pilot project

S. No.	NGO	Village	State	Capacity(KWp)
1	Haritika	Yara	Uttar Pradesh	24.84
2	Haritika	Manjuwara	Uttar Pradesh	15.12
3	Haritika	Chingewara	Uttar Pradesh	10.8
4	Haritika	Saitwara	Uttar Pradesh	15.12
5	Haritika	Narwara	Uttar Pradesh	24.84
6	Haritika	Dudaria	Uttar Pradesh	11.34
7	Haritika	Manpura	Madhya Pradesh	10.8
8	Srijan	Gohtaru Tola	Madhya Pradesh	5.94
9	Srijan	Manuhar Tola	Madhya Pradesh	6.48
10	Srijan	Debri Tola	Madhya Pradesh	15.12
11	Srijan	Kyontabandh	Madhya Pradesh	12.42
12	Srijan	School Tola	Madhya Pradesh	15.12
13	Srijan	Kudri Tola	Madhya Pradesh	11.88
14	Srijan	Seth Tola	Madhya Pradesh	12.42
15	Pradan	Chukapani	Jharkhand	3.24
16	Pradan	Bara	Jharkhand	6.96
17	Pradan	Tilaitand	Jharkhand	3.24
18	Pradan	Gandrakpur	Jharkhand	8.04
19	Pradan	Fitkoria	Jharkhand	8.04
20	Pradan	Kurawa	Jharkhand	5.94
21	Pradan	Danidih	Jharkhand	7.5
22	Pradan	Ranabandh	Jharkhand	4.86
23	Pradan	Salgatnar	Jharkhand	6.96
24	Pradan	Chowkitetar	Jharkhand	5.4
25	Ledeg	Maan	Jammu & Kashmir	8.64
26	LEDeG	Shayok	Jammu & Kashmir	9.18
27	LEDeG	Tashi Stongday	Jammu & Kashmir	10.17
28	LEDeG	Juldo	Jammu & Kashmir	10.17

Annexure-II referred to in reply to part (d) of the Lok Sabha Unstarred Question No. 2144 to be answered on 10th March, 2016 regarding "Tie-up with Norway for Solar Energy Generation".

Details of States / UTs wise Villages Electrified under Remote Village Electrification Programme

Sl.No.	State	Villages electrified
1	Andhra Pradesh	13
2	Arunachal Pradesh	297
3	Assam	1953
4	Bihar	0
5	Chattisgarh	568
6	Delhi	0
7	Goa	19
8	Gujarat	38
9	Haryana	286
10	Himachal Pradesh	21
11	Jammu & Kashmir	349
12	Jharkhand	700
13	Karnataka	30
14	Kerala	607
15	Madhya Pradesh	577
16	Maharashtra	340
17	Manipur	240
18	Meghalaya	149
19	Mizoram	20
20	Nagaland	11
21	Odisha	1614
22	Punjab	0
23	Rajasthan	382
24	Sikkim	13
25	Tamil Nadu	131
26	Tripura	842
27	Uttarakhand	594
28	Uttar Pradesh	335
29	West Bengal	1179
30	A&N Islands	0
31	Chandigarh	0
32	Dadra & Nagar Haveli	0
33	Daman & Diu	0
34	Lakshadweep	0
35	Puducherry	0
	Total	11308

Annexure-III referred to in reply to part (e) of the Lok Sabha Unstarred Question No. 2144 to be answered on 10th March, 2016 regarding "Tie-up with Norway for Solar Energy Generation".

**Details of State / UT wise Solar Energy Potential
(in MW)**

Sl. No.	States/UTs	Solar
1	Andhra Pradesh	38440
2	Arunachal Pradesh	8650
3	Assam	13760
4	Bihar	11200
5	Chhattisgarh	18270
6	Goa	880
7	Gujarat	35770
8	Haryana	4560
9	Himachal Pradesh	33840
10	Jammu & Kashmir	111050
11	Jharkhand	18180
12	Karnataka	24700
13	Kerala	6110
14	Madhya Pradesh	61660
15	Maharashtra	64320
16	Manipur	10630
17	Meghalaya	5860
18	Mizoram	9090
19	Nagaland	7290
20	Odisha	25780
21	Punjab	2810
22	Rajasthan	142310
23	Sikkim	4940
24	Tamil Nadu	17670
25	Telangana	20410
26	Tripura	2080
27	Uttar Pradesh	22830
28	Uttarakhand	16800
29	West Bengal	6260
30	Andaman & Nicobar Islands	0
31	Chandigarh	0
32	Dadra & Nagar Haveli	0
33	Daman & Diu	0
34	Delhi	2050
35	Lakshadweep	0
36	Puducherry	0
37	Others	790
	Total	748990