

**GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA**

STARRED QUESTION NO:79

ANSWERED ON:12.11.2010

JAWAHARLAL NEHRU NATIONAL SOLAR MISSION

Pradhan Shri Nityananda;Pratapsinhmaharaj Shri Bhonsle Shrimant Chh. Udganraje

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

- (a) the details of the Vision and Mission of the Jawaharlal Nehru National Solar Mission;
- (b) the present status of solar power generation alongwith the solar power projects set up under the Mission so far in the country including Orissa, State-wise;
- (c) the number of proposals regarding setting up of solar power plants received from private players and approved by the Government under the Mission so far;
- (d) whether the funds released under the Mission have been utilized in various States in the country;
- (e) if so, the details thereof and if not, the reasons therefor; and (
- (f) the corrective measures taken by the Government in this regard?

Answer

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a),(b),(c),(d),(e)&(f): A Statement is laid on the Table of the House.

Statement

Statement referred to in reply to Parts (a),(b),(c),(d),(e)&(f) of the Lok Sabha Starred Question No. 79 for 12th November, 2010

(a),(b)&(c): The Government has launched the Jawaharlal Nehru National Solar Mission to develop solar energy technologies to make solar power competitive to conventional grid power by 2022. The Mission aims at setting up of 20,000 MW grid solar power and 2,000 MW of off-grid solar applications including 20 million solar lights. In addition, it aims at installation of 20 million square metre solar thermal collector area by 2022. The Mission will be implemented in three phases. Government has approved the target to set up 1,100 MW grid connected solar plants, including 100 MW capacity plants as rooftop and small solar plants for the first phase of the Mission till March, 2013. The projects are to be set up on build, own and operate basis, involving the private and public sector. Another 200 MW capacity off-grid solar applications will also be supported in the first phase of the Mission.

The NTPC Vidyut Vyapar Nigam (NVVN), the trading subsidiary of NTPC, is the nodal agency for purchase of 1,000 MW capacity of grid solar power (connected to 33 KV and above grid) from the project developers at a tariff fixed by Central Electricity Regulatory Commission (CERC) for purchase of solar power. NVVN will sign a PPA with each project developer for a period of 25 years as fixed by CERC. NVVN has issued request for selection of new grid solar power projects of 620 MW capacity. The last date for submission of financial offer by the technically qualified applicants is 16th November, 2010. Under the migration component of this scheme, 16 applications have been selected in the States of Punjab (2), Maharashtra (3) and Rajasthan (11) to set up 84 MW capacity grid solar power projects before 31 March, 2013.

In addition, 100 MW capacity roof top and small grid connected solar power plants (100 kW to 2 MW each, connected to grid below 33 KV) are also supported in the first phase of the Mission. The tariff for purchase of solar power from such solar plants has been fixed by the concerned State Electricity Regulatory Commission and the Ministry will provide a generation based Incentive for power fed to the grid to the selected projects. A total of 323 applications were received and 67 applications to set up about 79 MW capacity have been selected by 31st October, 2010. These projects are likely to be commissioned in 2011-12. The list of applications received and selected by 31st October, 2010 under these schemes is given in Table-1.

So far about 18 MW capacity grid connected solar power projects have been set up in the country, as per the details given in Table-2.

(d),(e)&(f): The State-wise details of about 28 MW capacity of off-grid solar projects sanctioned under the Mission are given in Table-3. These projects are to be completed during 2011-12. In order to ensure better utilization of funds, the first installment of grant for the projects implemented by the Government agencies is released in advance. The balance funds are released on successful completion of the projects. In case of the projects to be sanctioned to private agencies the funds are to be released on reimbursement basis. During 2010-11 an amount of Rs. 148 crores has been released for various off-grid solar projects including Rs. 19.00 crore for solar

thermal projects. No funds have been released towards the payment of the generation based incentive for the grid connected solar power projects, selected under the Mission, as the projects are yet to be fully commissioned.

Table-1

Table-1 referred to in reply to Parts (a),(b),(c) of the Lok Sabha Starred Question No. 79 for 12.11.2010 regarding Jawaharlal Nehru National Solar Mission

List of Grid Connected Solar Power Projects under JNNSM (As on 31.10.2010)

Station/UTs Application received Projects selected

Small Grid Solar Projects (connected to below 33 KW grid)

Andhra Pradesh	24	11
Bihar	3	Nil
Chandigarh	1	Nil
Chhattisgarh	14	2
Daman & Diu	1	Nil
Delhi	51	Nil
Gujarat	15	Nil
Haryana	25	9
Himachal Pradesh	2	Nil
Jammu & Kashmir	1	Nil
Jharkhand	10	1
Karnataka	11	Nil
Kerala	2	Nil
Madhya Pradesh	15	3
Maharashtra	11	3
Meghalaya	1	Nil
Orissa	19	8
Pondicherry	7	Nil
Punjab	17	7
Rajasthan	24	12
Tamil Nadu	32	6
Uttar Pradesh	14	5
Uttarakhand	19	3
West Bengal	4	Nil
Total	323	67

Table-2

Table-2 referred to in reply to Parts (a), (b), (c) of the Lok Sabha Starred Question No. 79 for 12.11.2010 regarding Jawaharlal Nehru National Solar Mission

List of Grid Connected Solar Power Plants Installed

State/UT Capacity installed in kWp

Andhra Pradesh	100
Arunachal Pradesh	25
Karnataka	6000
Kerala	25
Madhya Pradesh	100
Maharashtra	1000
Punjab	1325
Rajasthan	4950
Tamil Nadu	50
Uttar Pradesh	375
Uttarakhand	50

West Bengal 1150
Andaman & Nicobar 100
Delhi 1054
Lakshadweep 750
Puducherry 25
Others 790
Total 17819
(As on 31.10.2010)

Table-3

Table-3 referred to in reply to Parts (d), (e), (f) of the Lok Sabha Starred Question No. 79 for 12.11.2010 regarding Jawaharlal Nehru National Solar Mission

Details of Solar Photovoltaic and Solar Thermal Projects sanctioned and funds released under Off Grid Solar applications of JNNSM during 2010-11
(As on 01.11.2010)

S.NO. STATE Capacity(kWp) Funds Released

1	Andhra Pradesh	1571	4,38,50,000/-
2	Arunachal Pradesh	320	2,16,00,000/-
3	Assam	150	2,00,00,000/-
4	Bihar	1000	2,25,00,000/-
5	Chhattisgarh	2004	9,01,65,000/-
6	Gujarat	25	8,75,000/-
7	Haryana	832	3,28,63,000/-
8	Himachal Pradesh	529	4,40,00,000/-
9	Jammu & Kashmir	1699	13,30,33,411/-
10	Jharkhand	316	1,26,60,000/-
11	Karnataka	146	42,00,000/-
12	Lakshadweep	1100	13,87,00,000/-
13	Madhya Pradesh	1406	7,87,16,000/-
14	Maharashtra	150	20,00,000/-
15	Manipur	100	1,35,00,000/-
16	Meghalaya	129	1,74,00,000/-
17	Mizoram	121	1,63,00,000/-
18	Punjab	505	3,50,75,000/-
19	Rajasthan	10382	21,35,00,000/-
20	Sikkim	115	1,55,00,000/-
21	Tamilnadu	97	35,00,000/-
22	Uttarakhand	2084	17,17,00,000/-
23	Uttar Pradesh	3568	12,07,67,000/-
24	Others	560	3,55,00,000/-
25	Solar Thermal Projects		19,00,00,000/-
	Total	28,974	148,14,04,411/-