

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

UNSTARRED QUESTION NO:3985

ANSWERED ON:31.07.2009

SOLAR ENERGY GENERATION

Majhi Shri Pradeep Kumar;Panda Shri Baijayant;Patel Shri Kishanbhai Vestabhai

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

- (a) the details of solar energy generated in the country during the last three years and the current year, State-wise;
- (b) whether the Government proposes to promote trade in solar energy technologies with the United States of America (USA);
- (c) if so, the details thereof?
- (d) whether the Union Government has made any assessment of the potential of solar energy in the country including Rajasthan, Gujarat and Orissa;
- (e) if so, the details thereof, State-wise; and
- (f) the steps taken/ proposed to be taken by the Government to exploit the full potential of this source of energy?

Answer

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

(a): The State-wise details of solar photovoltaic systems and power plants installed in the country during the last three years and the current year are given in Annexure.

(b)& (c): Government is promoting cooperation with United States of America (USA) in the area of renewable energy technologies including solar energy, primarily through technology development, sharing of technical expertise, undertaking renewable energy resource assessments, etc. Trade in renewable energy technologies is facilitated by Government's various indirect and direct taxation measures and through market mode.

(d)&(e): As per the Hand Book on Solar Radiation over India, published through Government initiatives, most parts of India receive 4-7 kilowatt hours of solar radiation per square meter per day, with 250-300 sunny days in a year. The solar radiation received in Rajasthan and Gujarat is relatively higher than that received in Orissa.

(f): The Government is promoting development of the renewable energy sector including solar energy through a mix of fiscal and financial incentives that include capital/interest subsidy, accelerated depreciation, nil/ concessional excise and custom duties.

ANNEXURE

Annexure referred to in reply to Part (a) of the Lok Sabha Unstarred Question No. 3985 to be answered on 31st July, 2009 regarding Solar Energy Generation by Shri Baijayant Jay Panda, Shri Kishnabhai V. Patel and Shri Pradeep Majhi, Members of Parliament

State-wise Details of Installation of SPV Systems during the last three years and the current year under the Solar Photovoltaic Programme of the Ministry

S.No.	State/UT	Solar Photovoltaic Systems
	Lant- Home Street	Pumps Water plant
	erns Lights Lights	Nos. (kWp)

1	Andhra Pradesh	- 395 181 -
2	Arunanchal Pradesh	9000 3000 150 -
3	Assam	670 3083 - -
4	Bihar	16352 1702 - -
5	Chhattisgarh	- 214 - 79 -
6	Goa	160 106 119 -
7	Gujarat	- 966 - -
8	Haryana	8738 13420 4261 226.2
9	Himachal Pradesh	2273 4892 1200 -

10	Jammu & Kashmir	18807	452	5107	100
11	Jharkhand	-	3933	237	-
12	Karnataka	-	15817	1052	76
13	Kerala	-	13647	-	-
14	Madhya Pradesh	-	113	208	-
15	Maharashtra	27000	500	500	-
16	Manipur	-	1400	25	17.00
17	Meghalaya	20000	6300	680	8.50
18	Mizoram	-	800	-	-
19	Nagaland	3542	75	-	-
20	Orissa	-	141	50	3
21	Punjab	-	5440	1400	-
22	Rajasthan	-	25721	59	-
23	Sikkim	-	2555	35	-
24	Tamil Nadu	-	1086	400	-
25	Tripura	21555	2962	63	-
26	Uttar Pradesh	-	6059	1000	-
27	Uttrakhand	36996	19731	2639	-
28	West Bengal	-	74337	1179	-
29	Puducherry	-	12	348	-
30	Others	97600	2915	1145	-
	Total	262693	211774	22038	158 351.7