

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1947**  
TO BE ANSWERED ON 05.05.2016

**GENERATION OF SOLAR ENERGY**

1947. DR. THOKCHOM MEINYA:  
SHRI BHAGWANTH KHUBA:  
SHRI RAM MOHAN NAIDU KINJARAPU:  
SHRIMATI RITI PATHAK:

Will the Minister of New and Renewable Energy be pleased to state:

- (a) the solar energy generated in the country during the last three years and the extent to which it is helpful in meeting the shortage of energy in the country;
- (b) the total investment made on solar and other renewable energy resources in the country during the said period, State-wise;
- (c) whether the Government has any subsidy or other incentive mechanism in place for the industries which agree to set up solar power plants or investing in solar or any other renewable energy resource, if so, the details thereof;
- (d) whether the Government has notified the authorised company/agency to involve in the installation of solar system, if so, the details thereof;
- (e) whether the Government has decided to go all out for solar energy for future energy security, if so, the details thereof; and
- (f) whether the country has the right technology to properly tap the abundant solar energy of the country, if so, the details thereof?

ANSWER

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

- (a):** As per inputs provided by Central Electricity Authority (CEA), around 15,400 MU has been generated through solar energy during the last three years and it has met the energy requirement to that extent in the country.
- (b):** Most of the investment in renewable energy come from private sector. Total estimated investment in renewable energy power projects during last three years is around Rs. 86,000 crore. State-wise details are given at Annexure-I
- (c):** Government is promoting solar energy by providing fiscal and promotional incentives such as capital and/or interest subsidy, tax holiday on the earnings for 10 years, generation based incentive, accelerated depreciation, viability gap funding (VGF), financing solar rooftop systems as part of home loan, concessional excise and custom duties, preferential tariff for power generation from renewables, and foreign direct investment up to 100 per cent under the automatic route.
- (d):** Under grid connected solar power schemes, the developer is decided through open and transparent bidding system. Under off grid solar programme, organisations who are interested in working in the sector can be empanelled as Channel Partners. The Ministry has empanelled Channel Partners for grid-connected roof-top, off-grid and solar water heater categories.
- (e):** Yes, Madam. The Government has revised the target of solar power from 20 GW to 100 GW by 2022.
- (f):** Yes, Madam. However, some developers are also importing solar cells, modules and other components. Technology is changing from time to time with new research. India is encouraging new and better technology.

**ANNEXURE-I**

**ANNEXURE-I REFERRED TO IN REPLY TO PART (b) OF LOK  
SABHA UNSTARRED QUESTION NO. 1947 FOR 05.05.2016**

**Estimated Investment made during last three years in RE Sector**

<b>S.No.</b>	<b>State/UT</b>	<b>Estimated Investment* (Rs. Crore)</b>
1.	Andhra Pradesh	9539.12
2.	Arunachal Pradesh	8.20
3.	Assam	30.00
4.	Bihar	25.50
5.	Chhattisgarh	537.90
6.	Goa	0.00
7.	Gujarat	6646.35
8.	Haryana	113.94
9.	Himachal Pradesh	2060.11
10.	Jammu & Kashmir	265.00
11.	Jharkhand	0.93
12.	Karnataka	9586.31
13.	Kerala	520.50
14.	Madhya Pradesh	14313.80
15.	Maharashtra	13743.01
16.	Manipur	0.00
17.	Meghalaya	0.00
18.	Mizoram	0.50
19.	Nagaland	20.00
20.	Orissa	277.90
21.	Punjab	2246.32
22.	Rajasthan	11632.96
23.	Sikkim	0.00
24.	Tamil Nadu	8961.28
25.	Telangana	2576.43
26.	Tripura	25.00
27.	Uttar Pradesh	1823.48
28.	Uttarakhand	723.73
29.	West Bengal	27.81
30.	Andaman & Nicobar	0.00
31.	Chandigarh	21.53
32.	Dadar & Nagar Haveli	0.00
33.	Daman & Diu	20.00
34.	Delhi	56.38
35.	Lakshwadeep	0.00
36.	Pondicherry	0.00
37.	Others	304.06
	<b>Total</b>	<b>86108.01</b>

\* estimated investment @ Rs. 6 crore/MW for wind & Bio, Rs. 5 crore/MW for solar and Rs. 10 crore/MW for SHP