

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO. 3096

TO BE ANSWERED ON 04.08.2016

JAWAHARLAL NEHRU NATIONAL SOLAR MISSION

3096. **SHRI RAJU SHETTY:**

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

- (a) whether recently sanctioned "Jawaharlal Nehru National Solar Mission" is a PPP project;
- (b) if so, the details thereof;
- (c) the details of the funds allocated under this Mission during each of the last three years and the current year, State-wise;
- (d) whether the Government proposes to set up special institutions for research in solar energy;
- (e) if so, the details thereof; and
- (f) the financial incentives proposed to be provided to private sector for setting up of solar energy plants?

ANSWER

MINISTER OF STATE FOR POWER, COAL , NEW & RENEWABLE ENERGY & MINES
(SHRI PIYUSH GOYAL)

(a) and (b): Jawaharlal Nehru National Solar Mission(JNNSM) is not a single project. It consists of several programmes, schemes and initiatives.

(c): Details of total funds released for solar energy programmes from Ministry of New & Renewable Energy (MNRE) budget are as under:-

Year	Total funds released (Rs. in Crore)
2013-14	692.28
2014-15	1158.19
2015-16	3146.24
2016-17 (as on 30.6.2016)	779.96

In few programmes, state-wise funds are released. Details are given at Annexure-I.

(d) and (e): The National Institute of Solar Energy (NISE), an autonomous institution of MNRE, is the apex National R&D institution in the field of Solar Energy and to assist the MNRE in implementing the National Solar Mission (NSM) and to coordinate research, technology and other related works. This apart, MNRE has sanctioned 4 Centres of Excellence in Solar Energy research which are as follow:-

1. NCPRE, IIT Bombay: National Centre for Photovoltaic Research and Education (NCPRE) at IIT Bombay in "Crystalline Silicon solar cells, education and training":
2. IEST, Kolkata: Indian Institute of Engineering Science and Technology (IEST), Kolkata in "Thin silicon solar cells and photovoltaic systems":
3. CEPT University, Ahmedabad: Centre for Environmental Planning and Technology (CEPT), Ahmedabad in "Area of solar passive architecture and green building technologies":
4. IIT Jodhpur, Rajasthan: Indian Institute of Technology (IIT) Jodhpur, Rajasthan in "Solar Thermal Research and Education":

(f): Private sector is provided several fiscal and promotional incentives e.g. 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.

ANNEXURE-I

**ANNEXURE-I REFERRED TO IN REPLY TO PART (c) OF LOK SABHA UNSTARRED NO. 3096 FOR 4.8.2016
DETAILS OF FUNDS RELEASED UNDER NATIONAL SOLAR MISSION**

Sl. No.	States/UTs	Scheme For Development Of Solar Parks And Ultra Mega Solar Power Projects			Canal Top & Canal Bank Solar PV Scheme		Off-Grid SPV Scheme			
		2014-15	2015-16	2016-17 (as on 30.6.16)	2015-16	2016-17 (as on 30.6.16)	2013-14	2014-15	2015-16	2016-17 (as on 30.6.16)
1	Andhra Pradesh	123.09	102.42	0.50	2.08	1.82	0.29	32.05	103.68	0.21
2	Andaman & Nicobar Islands	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Arunachal Pradesh	0.00	0.25	0.00	0.00	0.00	4.28	2.61	0.57	0.00
4	Assam	0.00	0.00	0.00	0.00	0.00	3.04	0.57	4.39	1.89
5	Bihar	0.00	0.00	0.00	0.00	0.00	3.50	6.48	15.41	0.00
6	Chhattisgarh	0.00	0.25	0.00	0.00	0.00	11.15	30.14	33.27	5.71
7	Delhi	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.24	0.00
8	Goa	0.00	0.00	0.00	0.00	0.00	0.07	16.89	0.00	0.00
9	Gujarat	2.75	30.36	0.00	10.50	10.32	0.07	16.89	17.96	0.00
10	Haryana	0.00	0.25	0.00	0.00	0.00	0.00	6.24	19.22	0.00
11	Himachal Pradesh	0.00	0.25	0.00	0.00	0.00	20.98	16.28	41.00	14.53
12	Jammu & Kashmir	0.00	0.00	0.25	0.00	0.00	36.97	19.15	43.94	8.21

13	Jharkhand	0.00	0.00	0.00	0.00	0.00	0.00	6.51	15.51	0.00
14	Karnataka	0.25	100.00	80.00	4.82	3.39	8.40	8.34	0.66	0.00
15	Kerala	0.00	2.25	0.00	1.50	1.21	0.00	23.70	9.65	0.00
16	Lakshadweep	0.00	0.00	0.00	0.00	0.00	6.45	0.00	3.75	0.00
17	Madhya Pradesh	3.00	36.25	30.00	0.00	0.00	0.00	15.70	0.41	0.00
18	Maharashtra	0.00	0.75	5.00	0.00	0.00	0.00	34.31	24.42	0.00
19	Manipur	0.00	0.00	0.00	0.00	0.00	3.69	1.47	11.60	0.00
20	Meghalaya	0.00	0.25	0.00	0.00	0.00	5.02	5.73	3.12	5.20
21	Mizoram	0.00	0.00	0.00	0.00	0.00	3.94	7.02	7.53	2.90
22	Nagaland	0.00	0.25	0.00	0.00	0.00	4.25	3.50	5.55	5.79
23	Odisha	0.00	0.00	0.25	0.00	0.00	0.00	12.94	1.95	0.00
24	Puducherry	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00
25	Punjab	3.00	0.00	0.00	12.00	3.00	2.03	10.24	8.24	0.00
26	Rajasthan	33.44	74.91	0.00	0.00	0.00	12.48	114.89	200.63	0.00
27	Sikkim	0.00	0.00	0.00	0.00	0.00	8.20	1.41	0.28	1.46
28	Tamil Nadu	0.00	0.00	0.00	0.00	0.00	20.29	29.39	82.62	0.00
29	Telangana	2.75	0.00	0.00	0.00	0.00	0.00	22.32	15.02	0.00
30	Tripura	0.00	0.00	0.00	0.00	0.00	0.00	1.13	3.47	0.00
31	Uttarakhand	0.00	0.25	0.00	6.30	6.30	40.57	1.15	25.10	1.18
32	Uttar Pradesh	2.75	18.23	0.00	2.83	0.00	0.17	44.81	38.51	0.00
33	West Bengal	0.00	0.25	0.00	3.00	4.80	0.00	1.67	0.34	0.00
34	Chandigarh	0.00	0.00	0.00			0.00	2.76	0.00	0.00
35	Others	1.73	2.88	1.15	0.43	0.31	0.00	0.00	204.40	3.79
35	Channel Partner	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.75	0.00
	Total	172.75	370.29	117.15	43.46	31.14	195.84	497.56	1004.19	50.86