

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 2176**  
TO BE ANSWERED ON 10.03.2016

**TRAINING FOR SOLAR ENERGY TECHNICIANS**

2176. DR. P. VENUGOPAL:

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

- (a) whether the Government imparts/proposes to impart training to the technicians engaged in the solar energy sector in the country;
- (b) if so, the details thereof along with the funds allocated/utilized for the purpose during the last three years and the current year, State/UT-wise; and
- (c) the details of such training programmes undertaken by various States during the said period, State/UT-wise?

ANSWER

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

**(a):** Yes, Madam.

**(b):** The Ministry of New and Renewable Energy (MNRE) supports educational institutions, non-governmental organizations (NGOs), solar energy companies to organize short-term training programmes of one week to six months duration on various aspects of solar projects such as basics of solar energy, components, system design, installation and commissioning, operation, maintenance and repairs. Course curricula for technicians, diploma and graduate and post graduate level courses have also been developed. Usually around 25-30 persons are trained in one such programme. These programmes are a combination of theory and practical. The details of the funds allocated/utilized for this purpose during the last three years and the current year, State/UT-wise, are given in the Annexure.

**(c):** The details of the training programmes undertaken during the last three years, State/UT-wise, are given in the Annexure.

\*\*\*\*\*

**Annexure**

**Annexure referred to in reply to parts (b)&(c) of Lok Sabha Unstarred Question No. 2176 for 10.03.2016 regarding Training for Solar Energy Technicians**

**Part (b): Funds allocated/utilized for the training purpose during the last three years and the current year (In ₹ Lakhs)**

State/UT	2012-13	2013-14	2014-15	2015-16
Rajasthan	10.05	17.45	26.61	16.90
Karnataka	-	4.50	14.64	81.49
Gujarat	0.90	0.60	-	-
West Bengal	-	-	11.10	7.74
Andhra Pradesh	-	2.40	16.80	-
Arunachal Pradesh	5.40	1.38	-	-
Uttar Pradesh	17.70	0.60	20.55	22.65
Maharashtra	-	8.00	32.00	15.00
Tamil Nadu	-	-	3.00	37.10
Punjab	6.00	-	-	-
Haryana	14.16	60.00	149.03*	-
Uttarakhand	-	2.72	-	-
Jharkhand	-	-	3.00	1.98
Chhattisgarh	8.05	2.90	5.40	0.47
New Delhi	-	-	32.71	-
<b>Total</b>	<b>62.26</b>	<b>100.55</b>	<b>314.84</b>	<b>183.33</b>

\*This includes ₹ 137.93 Lakh for Surya Mitra training programme. In addition, Surya Mitra training programmes are organized in current financial year as per National Council for Vocational Training (NCVT) approved course module V of Solar PV Technicians (600 Hrs) in different states at an outlay of ₹ 8.346 Crore.

**Part (c): State/UT-wise training programmes undertaken by various States during the said period.**

State/UT	2012-13	2013-14	2014-15	2015-16
Rajasthan	1	1	2	2
Karnataka	-	3	13	112
Gujarat	1	1	-	-
West Bengal	-	-	7	9
Andhra Pradesh	-	1	6	-
Arunachal Pradesh	5	1	-	-
Uttar Pradesh	18	1	2	12
Maharashtra	-	-	1	2
Tamil Nadu	-	-	6	21
Punjab	4	-	-	-
Haryana	5	12	12	-

Uttarakhand	-	3	-	-
Jharkhand	-	-	1	-
Chhattisgarh	11	4	6	-
New Delhi	-	-	18	-
Total	45	27	74	158

In addition, 112 Surya Mitra training programmes are organized in current financial year as per National Council for Vocational Training (NCVT) approved course module V of Solar PV Technicians (600 Hrs) in different states as given below:

Sr. No.	State/UT	Nos. of Training Programmes
1.	Rajasthan	2
2.	Karnataka	2
3.	Gujarat	2
4.	Telangana	3
5.	Andhra Pradesh	10
6.	Arunachal Pradesh	1
7.	Uttar Pradesh	3
8.	Maharashtra	23
9.	Tamil Nadu	5
10.	Punjab	3
11.	Haryana	21
12.	Chhattisgarh	3
13.	Manipur	1
14.	Uttarakhand	2
15.	Tripura	2
16.	Assam	2
17.	Bihar	3
18.	Chandigarh	1
19.	Delhi NCT	2
20.	Goa	1
21.	Jammu & Kashmir	1
22.	Kerala	3
23.	Madhya Pradesh	11
24.	Nagaland	1
25.	Odisha	1
26.	Puducherry	3
	Total	112