

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3738
ANSWERED ON 05.04.2022

SURYA MITRA PROGRAMME

3738. SHRI NEERAJ SHEKHAR

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

- (a) the number of workers trained under “Surya Mitra” training program to be employed as clean energy workers during last five years, year-wise and State-wise;
- (b) the number of persons employed in the new and renewable energy sector as on date, State-wise;
- (c) the number of persons employed in the above sector during 2019, 2020 and 2021, year-wise and State-wise; and
- (d) the fresh efforts taken to expand the new and renewable energy in the country?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) A total of 50,806 number of Suryamitras were trained from FY 2015-16 to February, 2022 under Suryamitra Skill Development Programme implemented by Ministry of New and Renewable Energy. The year-wise and state-wise details of Suryamitras trained from FY 2015-16 to February, 2022 are given in **Annexure-1**.

(b) & (c) Ministry of New and Renewable Energy has not carried out any study to estimate the number of persons employed in the renewable energy sector. However, as per the report “India’s Expanding Clean Energy Workforce: Opportunities in the Solar and Wind Energy Sectors” brought out in January 2022 by Council on Energy, Environment and Water, Natural Resources Defence Council and Skill Council for Green Jobs, the cumulative 81 GW renewable energy capacity addition had created an estimated 1,11,400 ‘Full Time Equivalent’ employment in solar and wind energy projects as of August 2021.

Under the Suryamitra Skill Development Programme of the Ministry implemented for developing skilled work force for solar PV projects, a cumulative number of 26,587 Suryamitras gained employment out of the 50,806 number of Suryamitras trained cumulatively from the inception of the programme i.e FY 2015-16 to February, 2022. The state-wise details of employment are given in **Annexure-2**.

A total 16,013 number of Suryamitras gained employment during FY 2018-19, 2019-20 and 2020-21. Year-wise and state-wise details are given in **Annexure-3**.

(d) The Government has taken several steps to promote renewable energy in the country. These include:

- permitting Foreign Direct Investment (FDI) up to 100 percent under the automatic route,

- waiver of Inter State Transmission System (ISTS) charges for inter-state sale of solar and wind power for projects to be commissioned by 30th June 2025,
- declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2022,
- setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers on a plug and play basis,
- schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 MW CPSU Scheme Phase II, etc.,
- laying of new transmission lines and creating new sub-station capacity under the Green Energy Corridor Scheme for evacuation of renewable power,
- setting up of Project Development Cell for attracting and facilitating investments,
- Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar PV and Wind Projects.
- Government has issued orders that power shall be dispatched against Letter of Credit (LC) or advance payment to ensure timely payment by distribution licensees to RE generators.

Annexure - I

Annexure in reply to the Rajya Sabha Unstarred Question No.3738 (Suryamitra Programme), part – (a) to be answered on 05.04.2022.

State wise and year wise numbers of Suryamitras trained during the period 2015-16 to 2021-2022 (as on 28.02.2022)

S. No.	State/UTs	No. of Suryamitras trained						Total
		2015-16	2016-17	2017-18	2018-19	2019-20	2020-21 and as on 28.02.2022*	
1	Andhra Pradesh	235	398	211	464	488	210	2006
2	Arunachal Pradesh	30	-	-	-	-	-	30
3	Assam	30	151	252	400	561	90	1484
4	Bihar	30	402	287	420	568	180	1887
5	Chandigarh	-	-	58	90	90	-	238
6	Chhattisgarh	90	369	408	360	778	150	2155
7	Delhi	50	-	181	201	240	30	702
8	Goa	30	30	54	60	117	30	321
9	Gujarat	297	954	335	550	856	270	3262
10	Haryana	52	121	374	390	480	30	1447
11	Himachal Pradesh	-	36	138	150	120	30	474
12	Jammu & Kashmir	26	-	60	158	306	30	580
13	Jharkhand	0	152	185	180	269	60	846
14	Karnataka	90	420	513	348	363	81	1815
15	Kerala	57	176	120	142	240	60	795
16	Lakshadweep	-	-	30	-	-	-	30
17	Madhya Pradesh	269	492	597	1164	1616	449	4587
18	Meghalaya	-	-	-	-	-	30	30
19	Maharashtra	660	829	561	883	1275	149	4357
20	Manipur	30	30	30	60	-	-	150
21	Nagaland	30	-	30	-	-	-	60
22	Orissa	-	931	268	567	511	150	2427
23	Puducherry	-	62	-	-	-	-	62
24	Punjab	30	32	141	120	84	30	437
25	Rajasthan	53	581	597	775	1116	360	3482
26	Tamil Nadu	122	436	672	912	1132	150	3424
27	Telangana	90	274	600	950	1401	325	3640
28	Tripura	60	-	28	60	30	-	178
29	Uttar Pradesh	185	664	795	964	1604	506	4718
30	Uttarakhand	60	311	78	231	263	90	1033
31	West Bengal	-	556	564	1313	1566	150	4149
	Total	2606	8407	8167	11912	16074	3640	50806

Annexure 2

Annexure in reply to the Rajya Sabha Unstarred Question No.3738 (Suryamitra Programme), parts – (b) and (c) to be answered on 05.04.2022.

State wise, year wise number of Suryamitras who gained employment from the Period FY 2015-16 to 2021-2022 (as on 28.02.2022)

S.No	State/UTs	Number of Suryamitras who gained employment as on 28.02.2022
1	Andhra pradesh	1219
2	Assam	844
3	Bihar	1139
4	Chandigarh	150
5	Chhattisgarh	1138
6	Delhi	338
7	Goa	201
8	Gujarat	2027
9	Haryana	664
10	Himachal Pradesh	182
11	Jammu & Kashmir	164
12	Jharkhand	466
13	Karnataka	770
14	Kerala	452
15	Madhya Pradesh	2292
16	Maharashtra	2321
17	Manipur	50
18	Orissa	1090
19	Puducherry	19
20	Punjab	266
21	Rajasthan	2281
22	Tamil Nadu	1908
23	Telangana	2053
24	Tripura	57
25	Uttar Pradesh	1958
26	Uttarakhand	578
27	West Bengal	1960
	Total	26,587

Annexure 3

Annexure in reply to the Rajya Sabha Unstarred Question No.3738 (Suryamitra Programme), parts – (b) and (c) to be answered on 05.04.2022.

State wise and year wise number of Suryamitras who gained employment in different States during the period 2018-19 to 2021-2022 (as on 28.02.2022)

S.No	State/UTs	Number of Suryamitras who gained employment			
		FY 2018-19	FY 2019-20	FY 2020-21	Total
1	Andhra Pradesh	160	247	190	597
2	Assam	236	359	43	638
3	Bihar	267	398	113	778
4	Chandigarh	62	46	0	108
5	Chhattisgarh	143	326	78	547
6	Delhi	143	54	23	220
7	Goa	42	81	23	146
8	Gujarat	326	498	159	983
9	Haryana	60	170	30	260
10	Himachal Pradesh	57	20	-	77
11	Jammu & Kashmir	-	141	21	162
12	Jharkhand	126	193	26	345
13	Karnataka	70	173	45	288
14	Kerala	103	163	19	285
15	Madhya Pradesh	571	919	213	1703
16	Maharashtra	482	727	84	1293
17	Orissa	179	170	119	468
18	Punjab	79	42	25	146
19	Rajasthan	437	701	269	1407
20	Tamil Nadu	441	775	87	1303
21	Telangana	457	750	177	1384
22	Tripura	-	25	-	25
23	Uttar Pradesh	362	797	86	1245
24	Uttarakhand	122	131	55	308
25	West Bengal	438	809	50	1297
	Total	5363	8715	1935	16013