

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 2647**  
ANSWERED ON 07/08/2024

**SOLAR POWER PLANTS IN LADAKH**

2647. SHRI TANUJ PUNIA  
SHRI SUKHDEO BHAGAT

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

- (a) the details of all solar power plants in Ladakh, including their locations, capacities, investments, and the companies responsible for construction and operation, project-wise;
- (b) whether the Government has any upcoming solar power plant projects in the pipeline and if so, the details thereof, including the stage of each project, the highest bidders, details of the investment, and the estimated completion timeline; and
- (c) the steps the Government has taken to ensure that these solar power plants are environmentally sustainable and socially responsible?

**ANSWER**

**THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER**

**(SHRI SHRIPAD YESSO NAIK)**

(a) The details of the solar projects in Ladakh, including their locations, capacities, investments, and the companies responsible for construction and operation, project-wise are not available with the Ministry of New and Renewable Energy. The required details were sought from Power Development Department (PDD) of the UT of Ladakh, Ladakh Renewable Energy Development Agency (LREDA) and Kargil Renewable Energy Development Agency (KREDA).

As per details submitted by PDD, UT of Ladakh, off-grid solar projects having a cumulative capacity of around 9.05 MW are installed by LREDA and KREDA. The district wise installed capacity is given below:

Sl. No.	Name of the District	Capacity installed (MW)
1	Ladakh	4.49
2	Kargil	4.56
Total		9.05

The details of projects furnished by LREDA and KREDA are at **Annexure I**.

(b) The details of the solar power plant projects in the pipeline are at **Annexure II**.

(c) Solar Energy projects are considered as environmentally sustainable. To manage e-waste generated after the use of solar photo-voltaic modules or panels or cells Ministry of Environment, Forest and Climate Change notified the E-Waste (Management) Rules, 2022, effective from 1<sup>st</sup> April, 2023.

Further, the recycling of solar photo-voltaic modules or panels or cells are mandated for recovery of material as laid down by the Central Pollution Control Board (CPCB).

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**ANNEXURE - I REFERRED TO IN REPLY TO PART (a) OF LOK SABHA  
UNSTARRED QUESTION NO. 2647 TO BE ANSWERED ON 07.08.2024**

**LIST OF SOLAR POWER PLANTS INSTALLED IN LADAKH DISTRICT**

**A. List of Solar Power Plants installed in Government Institutions**

<b>S.No</b>	<b>Location</b>	<b>No of Solar Power Plants</b>	<b>Capacity (KWp)</b>
1.	High School Saspol	1	5
2.	PHC Saspol	1	5
3.	PHC Chushul	1	5
4.	PHC Skurbuchan	1	5
5.	PHC Turtuk	1	5
6.	PHC Bogdang	1	5
7.	PHC Chuchot	1	5
8.	PHC Panamik	1	5
9.	PHC Diggar	1	5
10.	PHC Temsigam	1	5
11.	High School Lamayuru	1	5
12.	High School Wanla	1	5
13.	High School Chushul	1	5
14.	High School Panamik	1	5
15.	High School Thiksay	1	5
16.	High School Likkse	1	5
17.	High School Chumathang	1	5
18.	High School Hunder	1	5
19.	High School Bogdang	1	5
20.	High Sec. School Turtuk	1	5
21.	High School Dha	1	5
22.	High School Bema	1	5
23.	High School Hanu Yokma	1	5
24.	High School Skurbuchan	1	5
25.	High School Domkhar	1	5
26.	High School Sumoor	1	5
27.	Boys Higher Sec School, Leh	1	12.5
28.	Degree College, Leh	1	12.5
29.	Higher Sec School Chuchot	1	12.5
30.	Higher Sec. School Sakti	1	12.5
31.	PHC Tangste	1	12.5
32.	High Sec. School Temisgam	1	12.5
33.	PHC Khaltse	1	12.5
34.	SDH Nubra	1	12.5
35.	SNM Hospital	1	20
	<b>Total</b>		<b>250</b>

### B. List of Solar Power Plants installed in Defence/Paramilitary

S.No	Institution	No of Solar Power Plants	Capacity (KWp)
1.	Defence Accts. Office, Leh	1	10
2.	Police Lines Choglamsar	1	25
3.	Himank HQ, Leh	1	40
4.	Army Nimmu	1	50
5.	Army Base Camp 1	1	50
6.	Army Base Camp 2	1	50
7.	Air Force, Leh	1	50
8.	16 BRTF, Leh	1	50
9.	ITBP, Leh	1	50
10.	3 Vikas, Leh	1	50
11.	Army Karu	1	100
12.	Army Leh	1	100
13.	ITBF Phobrang	1	200
	<b>Total</b>		<b>825</b>

### C. Solar Power Plants under various schemes of District & UT Ladakh

S.No	Institution	No of Solar Power Plants	Capacity (KWp)	Funding
1.	Rooftop Solar with battery	1	100	District ADM
2.	Roof top Solar with battery	1	5	CCDF/EDU/Wildlife
3.	SDM OFFICE NUBRA	1	10	United Grant
4.	Government Polytechnic	1	25	SDP
5.	Panchayat Office	95	5 (95 sites)	SDP (Under installation)
6.	BDO/BDC/AXN/ACD Office	16	10 (16 sites)	SDP (Under installation)
7.	Solar Power Plant (MES)		400 x 2	MES
8.	SKAUST, Leh	2	22.5 KWp	SKAUST
9.	BRTF, Leh	3	40 KWp	BRTF
	<b>Total</b>		<b>825</b>	

### D. Institutions

S. No.	Institution	No. of Solar Power Plants	Capacity (Kwp)
1	Matho Monastery	1	5
2	Schachukul Monastery	1	5
3	Spituk Monastery	1	5
4	Kespang Monastery	1	5
5	Samstangling Monastery	1	5
6	Hanley Monastery	1	5
7	Jamia Masjid Leh	1	5
8	Moravian Church, Leh	1	5
9	Imam Bara, Chuchot	1	5
10	Mahey Khotsa (Nunnery)	1	5
11	Hemis Khotsa (Nunnery)	1	5
12	Rezong Monastery	1	5
13	Ladakh Heart Foundation	1	5
14	Imamia Mission School	1	7.5
15	Islamia school	1	7.5
16	Moravian Mission School	1	7.5
17	New Millenium School	1	10
18	Druk Pema Karpo School	1	12.5
19	Diskit Monastery	1	12.5
20	Jamyang School	1	12.5
21	Lamdon Senior Sec. School	1	12.5
22	Likir Monastery	1	12.5
23	Trak Thok Monastery	1	12.5
24	Mahabodhi Residential School	1	12.5
25	Gompa Soma	1	15
<b>Total</b>			<b>200</b>

### E. Others

S. No.	Villages/Hamlets	CAPACITY (kWp)	Block
1	Hangkar	7.5	Nimoo
2	Doltokling	7.5	Nimoo
3	Rumbak	7.5	Nimoo
4	Khastath	7.5	Durbuk
5	Waris-Fastan	7.5	Diskit
6	Relay	10	Durbuk
7	Largiab Yokma	12.5	Diskit
8	Largiab Gongma	12.5	Diskit
9	Lukung	12.5	Durbuk
10	Kaya	12.5	Nimoo
11	Chipra	15	Durbuk
12	Spangmik	15	Durbuk
13	Hanu-Patta	15	Lingshed/Singelalok HQ at Wanla
14	Dipling	20	Lingshed/Singelalok HQ at Wanla
15	Parma	20	Durbuk
16	Demjok	20	Nyoma

S. No.	Villages/Hamlets	CAPACITY (kWp)	Block
17	HunderDok	20	Diskit
18	Niddar	20	Nyoma
19	Chumur	20	Rupshow HQ at Puga
20	Yarath	25	Durbuk
21	Bokshado	25	Nyoma
22	Kherapulu	25	Durbuk
23	Skumpata	25	Lingshed/Singelalok HQ at Wanla
24	Markha	25	Nimoo
25	Nyiarags	25	Lingshed/Singelalok HQ at Wanla
26	Yulchung	25	Lingshed/Singelalok HQ at Wanla
27	Nemgo	32.5	Nyoma
28	SamadRokchan	32.5	Rupshow HQ at Puga
29	Photoksar	37.5	Lingshed/Singelalok HQ at Wanla
30	Satho	37.5	Durbuk
31	Deggar	40	Diskit
32	Merak	40	Durbuk
33	Yourgo	42.5	Durbuk
34	Hanley TR	42.5	Nyoma
35	Rebel Sumdo	42.5	Rupshow HQ at Puga
36	Pungog	42.5	Nyoma
37	Tsaga	42.5	Nyoma
38	Ronggo	50	Nyoma
39	Kharnak	57.5	Rupshow HQ at Puga
40	Mudth	65	Nyoma
41	Koyul	(42.5*2) 85	Nyoma
42	Lingshed 4 sites	(20*4) 80	Lingshed/Singelalok HQ at Wania
43	Hanley Khaldo	42.5	Nyoma
44	Nyoma	57.5*2	Nyoma
45	Chushul	57.5*2	Nyoma
46	Korzok	100	Rupshow HQ at Puga
47	Ankung	5	Rupshow HQ at Puga
48	Sunidho	5	Nubra
49	Rongo	15	Nubra
	<b>Total</b>	<b>1605</b>	

### LIST OF SOLAR POWER PLANTS INSTALLED IN KARGIL DISTRICT

Capacities Per System	Total Capacities (Kwp)
2.5Kwp	75Kwp
3Kwp	27Kwp
5Kwp	100Kwp
10Kwp	250Kwp
20Kwp	20Kwp
37.5Kwp	355Kwp
30Kwp	30Kwp
40Kwp	400Kwp
42.5Kwp	255Kwp
57.5Kwp	172.5Kwp

50Kwp	150Kwp
65Kwp	585Kwp
100Kwp	400Kwp
Rooftop Under JNNSM 2016-17	349x5=1745
<b>Total Capacity Solar Installed so far</b>	<b>4564.5</b>

**ANNEXURE - II REFERRED TO IN REPLY TO PART (b) OF LOK SABHA  
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**DETAILS OF THE UPCOMING SOLAR POWER PLANT PROJECTS IN THE  
PIPELINE**

<b>Sl. No.</b>	<b>Details of the project</b>	<b>Status</b>
1	Solar project with battery storage under PMDP – 15 by SECI Ltd.	Letter of Award initially issued was cancelled due to non-performance of the contractor. SECI has retendered the project.
2	12 MW Solar project by PDD, UT of Ladakh	SECI has issued tender.
3	13 GW Solar Wind Hybrid project	Soil investigation and DPR preparation is under way.