

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-1538

TO BE ANSWERED ON-26.07.2018

SOLAR PARK SCHEME

1538. SHRI GEORGE BAKER
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Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:-

- (a) the salient features of the Solar Park Scheme;
- (b) the details of the funds sanctioned, allocated and utilised for the setting up of these parks during the last three years and the current year across the country, State/UT-wise including Gujarat, Maharashtra and West Bengal;
- (c) the details of the number of solar parks approved and set up/in progress during the above-mentioned period across the country, State/UT-wise including Gujarat, Maharashtra and West Bengal;
- (d) the details of the target set and achievements made under this scheme so far;
- (e) the percentage of clean energy generated by these parks so far across the country, State/UT-wise; and
- (f) whether the Government has faced any difficulty in some of the States with regard to setting up of these parks after approval and if so, the details thereof and the reasons therefor along with the action taken by the Government in this regard?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER (I/C)
(SHRI R.K. SINGH)

- (a) The salient features of the Solar Park Scheme are given at **Annexure-I**.
- (b) The State/UT-wise details of the funds sanctioned for setting up of Solar parks during last three years and the current year are given at **Annexure-II**.
- (c) State/UT-wise details of the solar parks approved and set up/in progress during last three years and the current year across the country are given at **Annexure-III**.
- (d) Out of targeted capacity of 50 Solar Parks with aggregate capacity of 40,000 MW approved under the Scheme, 45 Solar Parks with cumulative capacity of 26,449 MW have been approved in 21 States as of now.
- (e) State/UT-wise details of clean energy generated by these parks so far across the country are given at **Annexure-IV**.
- (f) The major challenges faced in setting up Solar Parks are acquisition of land and matching the time schedules between development of solar parks and external power evacuation systems. However, the Government is in constant communication with the States for handing over of land for the solar parks and making all efforts to reduce the mismatch in the time schedules between development of solar parks and external power evacuation systems through constant interaction with the concerned stake holders.

**ANNEXURE-I REFERRED TO IN REPLY TO PART (A) OF LOK SABHA
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THE SALIENT FEATURES OF THE SOLAR PARK SCHEME

- (i) The scheme for “Development of Solar Parks and Ultra Mega Solar Power Projects” was rolled out by Ministry of New & Renewable Energy on 12-12-2014 with a target to set up at least 25 solar parks with aggregate capacity of 20,000 MW within a span of 5 years starting from 2014-15.
- (ii) Considering the demands for more solar parks in States, the capacity of the Scheme was enhanced from 20,000 MW to 40,000 MW on 21-03-2017. These parks are to be set up by 2021-22.
- (iii) The scheme envisages supporting the States/UTs in setting up solar parks at various locations in the country with a view to create required infrastructure for setting up of solar power projects.
- (iv) The solar parks provide suitable developed land with all clearances, transmission system, water access, road connectivity, communication network, etc. The scheme facilitates and speeds up installation of grid connected solar power projects for electricity generation on a large scale.
- (v) All the States and Union Territories are eligible for getting benefit under the scheme.
- (vi) The capacity of the solar parks shall be 500 MW and above. However, smaller parks are also considered in hilly States and States where there is acute shortage of non-agricultural land.
- (vii) The solar parks may be developed by the agencies of the State Governments, CPSUs and private entrepreneurs. The implementing agency is termed as Solar Power Park Developer (SPPD).
- (viii) Under the scheme, the Ministry provides Central Financial Assistance (CFA) of up to Rs. 25 lakh per solar park for preparation of Detailed Project Report (DPR). Beside this, CFA of up to Rs. 20.00 lakh per MW or 30% of the project cost, including Grid-connectivity cost, whichever is lower, is also provided on achieving the milestones prescribed in the scheme.

ANNEXURE-II

ANNEXURE-II REFERRED TO IN REPLY TO PART (B) OF LOK SABHA UNSTARRED QUESTION NO. 1538 FOR
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Details of funds sanctioned to various States/UTs during last three years and current year

(In Rs. Crore)
(As on 30.6.2018)

Sl. No.	State	Solar Park	2015-16	2016-17	2017-18	2018-19
1	A & N	NTPC	0.25	0	0	0
2	Andhra Pradesh	Ananthapuramu Solar Park	63.02	0	0	0
3		Kurnool Solar Park	40.40	0	18.12	0
4		Kadapa solar park	0	10.35	10.10	4.04
5		Ananthapuramu-II Solar Park	0	5.3	5.05	2.02
6		Ext Trans Infra for Ananthapuramu Solar Park to PGCIL	0	26.74	33.86	0
7		Ext Trans Infra for Kurnool Solar Park to APTRANSCO	0	31.13	43.61	0
8		Hybrid Solar Wind Park	0	0	0.25	0
		Sub-total		103.42	73.52	110.98
9	Arunachal Pradesh	Lohit Solar Park	0.25	0.825	0	0
10	Chhattisgarh	Solar Park in Chhattisgarh	0.25	0	0	0
11	Gujarat	Radnesada Solar Park	30.66	0	4.17	0
12		Harsad Solar Park	0	0	0.25	0
13		Dholera Solar Park	0	0	0	0
14		Ext-Gujarat-PGCIL	0	0	0	24.11

	Sub-total		30.66	0	4.4213	24.11
15	Haryana	Solar Park in Haryana	0.25	0	0	0
16	Himachal Pradesh	Solar Park in HP	0.25	0	0	0
17	Jammu and Kashmir	Solar Park in J&K	0	0.25	0	0
18	Karnataka	Pavagada Solar Park	90.50	80.8	0	0
19		Ext Trans Infra for Pavagada Solar Park to Power PGCIL	0	28.28	12.12	40.40
	Sub-total		90.50	109.08	12.12	40.40
20	Kerala	Kasargod Solar Park	2.27	0	0	0
21	Madhya Pradesh	Neemuch-Mandsaur Solar Park	0	0	0	0
22		Rewa Solar Park	31.98	30.30	8.92	0
23		Rajgarh-Morena Solar Park	0	0.25	0	0
24		Chhatarpur Solar Park	0	0.25	0	0
25		Ext Trans Infra for Rewa Solar Park to PGCIL	0	25.76	4.55	0
	Sub-Total		31.98	56.56	13.47	0
26	Maharashtra	Sai Guru Solar Park	0.25	5.05	0	0
27		Patoda Solar Park	0.25	5.05	0	0
28		Dandoicha Solar Park	0.25	0	0	0
	Sub-Total		0.75	10.10	0	0
29	Manipur	Bukpi Solar Park	0	0	0.25	0
30	Meghalaya	Solar Park in Meghalaya	0.25	0	0	0
31	Mizoram	Vankal Solar Park	0	0	0.25	0
32	Nagaland	Solar Park in Nagaland	0.25	0	0	0
33	Odisha	Solar Park in Odisha	0	0.25	0	0

34	Punjab	Solar Park in Punjab	0	0	0	0
35	Rajasthan	Bhadla Ph-II Solar Park	28.27	0	0	0
36		Bhadla Ph-III Solar Park	46.25	4.50	17.79	14.28
37		Bhadla Ph-IV Solar Park	0.25	27.27	24.24	0
38		Phalodi-Pokaran Solar Park	0.25	0	0	0
39		Fatehgarh 1B Solar Park	0.25	0	0	0
40		Jaisalmer Ph I Solar Park	10.35	0	0	0
41		Nokh Solar Park	0	0	0.25	0
42		Ext Trans Infra for Bhadla-II, III, IV solar park to RVPNL	0	50.81	0	0
43		Ext Trans Infra for Bhadla-III, Bhadla-IV, PP solar park to PGCIL	0	30.26	0.079	30.22
		Sub-total		85.63	112.84	42.36
44	Tamil Nadu	Kadaladi Soalr Park	0	0	0.25	0
45	Telangana	Gattu Solar Park	0	0	0	0
46	Uttar Pradesh	UP Solar Park	18.26	0	0	0
47		Ext Trans Infra for UP solar park to UPPTCL	0	0	17.36	0
	Sub-total		18.26	0	17.36	0
48	Uttarakhand	SIIDCUL Solar Park	0.25	2.36	0	0
49	West Bengal	Solar Park in West Bengal	0.25	2.12	0	0
GRAND TOTAL			365.72	367.90	201.46	115.07

N. B. The solar parks in A&N Islands, Chhattisgarh, Punjab, Telangana, Jaisalmer Ph I Solar Park in Rajasthan were cancelled later.

ANNEXURE-III

ANNEXURE-III REFERRED TO IN REPLY TO PART (C) OF LOK SABHA
UNSTARRED QUESTION NO. 1538 FOR 26.07.2018State/UT-wise details of solar parks approved and set up/in progress across the
country

Sl. No.	State	Solar Parks approved	Capacity (MW)	Status
1	Andhra Pradesh	Ananthapuramu-I Solar Park	1500	550 MW commissioned. Rest in Progress.
2	Andhra Pradesh	Kurnool Solar Park	1000	Completed-1000 MW commissioned.
3	Andhra Pradesh	Kadapa Solar Park	1000	In progress
4	Andhra Pradesh	Ananthapuramu-II Solar Park	500	In progress
5	Andhra Pradesh	Hybrid Solar Wind Park	160	In progress
6	Arunachal Pradesh	Lohit Solar Park	30	In progress
7	Assam	Solar Park in Assam	70	In progress
8	Gujarat	Radhnesada Solar Park	700	In progress
9	Gujarat	Harsad Solar Park	500	In progress
10	Gujarat	Dholera Solar Park	5000	In progress
11	Haryana	Solar Park in Haryana	500	In progress
12	Himachal Pradesh	Solar Park in Himachal Pradesh	1000	In progress
13	Jammu & Kashmir	Solar Park in J&K	200	In progress
14	Karnataka	Pavagada Solar Park	2000	600 MW commissioned. Rest in Progress.
15	Kerala	Kasargod Solar Park	200	50 MW commissioned. Rest in Progress.
16	Madhya Pradesh	Rewa Solar Park	750	5 MW commissioned. Rest in Progress.
17	Madhya Pradesh	Neemuch-Mandsaur Solar Park	700	250 MW commissioned. Rest in Progress.
18	Madhya Pradesh	Agar Solar Park	500	In progress
19	Madhya Pradesh	Shajapur Solar Park	550	In progress
20	Madhya Pradesh	Morena (Chambal) Solar Park	250	In progress
21	Maharashtra	Sai Guru Solar Park	500	In progress
22	Maharashtra	Patoda Solar Park	500	In progress
23	Maharashtra	Dondaicha Solar Park	500	In progress
24	Maharashtra	Latur Solar Park	60	In progress
25	Maharashtra	Washim solar park	170	In progress

Sl. No.	State	Solar Parks approved	Capacity (MW)	Status
26	Maharashtra	Yavatmal Solar Park	75	In progress
27	Manipur	Bukpi Solar Park	20	In progress
28	Meghalaya	Solar park in Meghalaya	20	In progress
29	Mizoram	Vankal Solar Park	20	In progress
30	Nagaland	Solar Park in Nagaland	23	In progress
31	Odisha	Solar Park in Odisha	1000	In progress
32	Rajasthan	Bhadla-II Solar Park	680	Completed- 680 MW commissioned.
33	Rajasthan	Bhadla-III Solar Park	1000	In progress
34	Rajasthan	Bhadla-IV Solar Park	500	In progress
35	Rajasthan	Phalodi-Pokaran Solar Park	750	In progress
36	Rajasthan	Fatehgarh Phase-1B Solar Park	421	In progress
37	Rajasthan	Nokh Solar Park	980	In progress
38	Tamil Nadu	Solar Park in Tamil Nadu	500	In progress
39	Tamil Nadu	Kadaladi Solar Park	500	In progress
40	Uttar Pradesh	Solar Park in UP	440	165 MW commissioned. Rest in Progress.
41	Uttar Pradesh	UP Kanpur Dehat Solar Park	50	In progress
42	Uttar Pradesh	UP Jalaun Solar Park	50	In progress
43	Uttar Pradesh	UP Kanpur Nagar Solar Park	30	In progress
44	Uttarakhand	Solar park in Uttarakhand	50	In progress
45	West Bengal	Solar park in West Bengal	500	In progress
	Total		26449	3300 MW Commissioned. Rest in Progress.

**ANNEXURE-IV REFERRED TO IN REPLY TO PART (E) OF LOK SABHA
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**STATE/UT-WISE DETAILS OF CLEAN ENERGY GENERATED BY THESE PARKS
SO FAR ACROSS THE COUNTRY**

Sl. No.	Name of the Solar Park	Solar energy generated during 2017-18 (in MU)	Total clean energy generation in State during 2017-18 (in MU)	% of Solar energy generated from Solar Park out of the total clean energy generated in the State
1.a	Ananthapuramu Ultra Mega Solar Park, Andhra Pradesh (1500 MW)	403.46	10597.47	3.81%
1.b	Kurnool Ultra Mega Solar Park, Andhra Pradesh (1000 MW)	1827.66	10597.47	17.25%
	Sub total	2231.12	10597.47	21.05%
2	Kasaragod Solar park, Kerala (200 MW)	49.98	774.32	6.45%
3.a	Rewa Ultra Mega Solar Par, Madhya Pradesh (750 MW)*	-	6292.90	-
3.b	Mandsaur-Neemuch Solar Park, Madhya Pradesh (700 MW)	266.58	6292.90	4.24%
	Sub-total	266.58	6292.90	4.24%
4	Pavagada solar park, Karnataka (2000 MW)	296.79	13463.98	2.20%
5	UP Solar Park, Uttar Pradesh (440 MW)	10.35	4606.29	0.22%
6	Bhadla Phase-II Solar Park, Rajasthan (680 MW)	1058.43	9484.23	11.16%
	TOTAL	6027.12	45219.20	8.65%

* Commissioned in 2018-19