

**GOVERNMENT OF INDIA  
MINISTRY OF CIVIL AVIATION  
LOK SABHA  
UNSTARRED QUESTION NO. : 2717  
(To be answered on the 1<sup>st</sup> December 2016)**

**SOLAR ENERGY PROJECTS AT AIRPORTS**

**2717. SHRI SANGANNA AMARAPPA**

**Will the Minister of CIVIL AVIATION**

**तागर विमानतल मंत्री**

**be pleased to state:-**

- (a) whether the Government has decided to install solar power project at some of its airports in the country;
- (b) if so, the details and the current status thereof, airport/project-wise;
- (c) the amount of solar energy likely to be generated by each of the above projects and its percentage contribution in the total requirement of energy at each airport, airport-wise;
- (d) the funds allocated, released and spent for the purpose, project-wise;
- (e) the time by which above solar projects are likely to be completed; and
- (f) the steps taken by the Government for development/modernisation of airports?

**ANSWER**

**Minister of State in the Ministry of CIVIL AVIATION**

**तागर विमानतल मंत्रालय में राज्य मंत्री**

**(Shri Jayant Sinha)**

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(a) to (e): Yes, Madam. The details of solar power projects completed and undertaken by Airports Authority of India (AAI) at various airports in the country along with its energy generation capacity, Units of power generated per month, percentage of solar power consumption, funds allocated/spent etc. are at Annexure I & II respectively.

(f): Development/modernisation of airports is a continuous process and is undertaken by AAI depending upon commercial viability, traffic demand, operational requirements, demand from airlines, availability of land, technical feasibility, etc.

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## Details of Solar Energy generations at Various Airports.

## (A) SOLAR ROOF TOP POWER PROJECTS COMPLETED UNDER CAPEX MODEL :-

S. No	Airport Name	Solar Plant Capacity (KWp)	Total Cost / Funds Allocated and Spent (Cr.)	Monthly Solar Power Generation (Units)	Monthly DISCOM Power Consumption (Units)	Total Consumption (Solar + DISCOM) (Units)	Percentage of Solar generation i.r.t Monthly Energy Consumption
1	Indore	100	0.68	9839	345733	355572	2.77%
2	Jaisalmer	100	0.68	1299	5808	7107	18.28%
3	Guwahati - I Guwahati - II	300	1.9	28249	738360	766609	3.68%
4	Amritsar	400	2.36	47256	1161995	1209251	3.91%
5	Jaipur	100	0.49	12990	686925	699915	1.86%
6	Lucknow	500	2.29	54767	838607	893374	6.13%
7	Kolkata	2000	12	154285	8029760	8184045	1.89%
8	Calicut	750	5.18	86456	826560	913016	9.47%
9	Patna	250	1.16	15584	302430	318014	4.90%
10	Ranchi	250	1.9	30961	331380	362341	8.54%
11	Chennai Airport Chennai RHQ	1600	9.91	187177	7459124	7646301	2.45%
12	Madurai	170	0.55	18729	442658	461387	4.06%
13	Varanasi	600	2.47	65889	646304	712193	9.25%
14	Hyderabad	500	3.1	38665	104936	143601	26.93%
	<b>Total / Average</b>	<b>7620</b>	<b>44.67</b>	<b>752146</b>	<b>21920580</b>	<b>22672726</b>	<b>3.32%</b>

## (B) SOLAR ROOF TOP POWER PROJECTS COMPLETED UNDER RESCO MODEL :-

1	Rajiv Gandhi Bhawan	250	1.89	32323	383790	416113	7.77%	
2	Raipur	100	0.3	6938	39446	46384	14.96%	
3	Bhopal	100	0.48	14404	387316	401720	3.59%	
4	Bhubaneswar	100	0.38	10148	652000	662148	1.53%	
5	Chandigarh	3000	Chandigarh Airport solar plant is commissioned in Oct 2016.					
	<b>Total/average</b>	<b>3550</b>	<b>3.05</b>	<b>63813</b>	<b>1462552</b>	<b>1526365</b>	<b>4.18%</b>	
	<b>(A+B)</b>	<b>11170</b>	<b>47.72</b>	<b>815959</b>	<b>23383132</b>	<b>24199091</b>	<b>3.37%</b>	

Details of Solar Energy generations at Various Airports.

SOLAR ROOF TOP POWER PROJECTS				
S. No	Airport Name	Solar Plant Capacity (KWp)	Total Cost / Funds Allocated and Spent (Cr.)	PDC
1	Jodhpur	100	0.5	Dec-16
2	Allahabad	300	2.2	Dec-16
3	Ahmedabad	700	4.13	Dec-16
4	Leh	27	0.21	Mar-17
5	Bhuj	230	1.26	Dec-16
6	Mumbai	158.4	0.49	Dec-16
7	Bagdogra	50	0.28	Dec-16
8	Kolkata	15000	85	Feb-17
9	Jaipur	1800	10.82	Mar-17
	<b>Total/Average</b>	<b>18365</b>	<b>104.89</b>	

