

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 2237**  
TO BE ANSWERED ON 04.07.2019

**ELECTRICITY CONSUMPTION FROM SOLAR ENERGY**

2237. DR. (PROF.) KIRIT PREMJI BHAI SOLANKI

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

- (a) the total percentage of electricity consumption from solar energy;
- (b) whether there is any change in the policy on renewable purchase obligations and if so, the details thereof;
- (c) the renewable purchase obligations set by each State/UT;
- (d) whether these are sufficient to meet overall targets; and
- (e) if so, the details thereof?

**ANSWER**

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

(a) The Central Electricity Authority (CEA) has reported that electricity generation from solar energy accounted for 3.1% in the year 2018-19. During current year for the months of April-May, 2019, the figure is 3.7%.

(b) The Ministry of Power vide its order dated 14.06.2018 has notified the long term growth trajectory of Renewable Purchase Obligations (RPOs) for solar as well as non-solar renewables uniformly for all States/UTs for the period from 2019-20 to 2021-22 as under:-

<b>Long term RPO trajectory</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
<b>Non-Solar</b>	10.25%	10.25%	10.50%
<b>Solar</b>	7.25%	8.75%	10.50%
<b>Total</b>	17.50%	19.00%	21.00%

(c) The details of Renewable Purchase Obligations set by each State/UT are given in **Annexure**.

(d) and (e) The Government of India has fixed RPO obligation considering the target of 175 GW of renewable energy capacity by 2022.

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## ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF LOK SABHA UNSTARRED  
QUESTION NO. 2237 FOR 04.07.2019

## STATE-WISE RENEWABLE PURCHASES OBLIGATIONS (RPOs) SET

Sl.No.	States	Technology	2017-18	2018-19	2019-20	2020-21	2021-22	Year of Notifying
	MoP Notification	Solar	4.75%	6.75%	7.25%	8.75%	10.50%	2018
		Non-solar	9.50%	10.25%	10.25%	10.25%	10.50%	
1	Andaman and Nicobar	Solar	2.50%	3.60%	4.70%	6.10%	8.00%	2017
		Non-solar	4.20%	5.40%	6.80%	8.00%	9.00%	
2	Andhra Pradesh	Solar	3.00%	4.00%	5.00%	6.00%	7.00%	2017
		Non-solar	6.00%	7.00%	8.00%	9.00%	10.00%	
3	Arunachal Pradesh	Solar	4.75%	6.75%	NYA	NYA	NYA	2017
		Non-solar	9.50%	10.25%	NYA	NYA	NYA	
4	Assam	Solar	4.00%	5.00%	6.00%	7.00%	8.00%	2017
		Non-solar	5.00%	6.00%	7.00%	8.00%	9.00%	
5	Bihar	Solar	2.25%	3.25%	4.75%	6.75%	8.00%	2017
		Non-solar	5.50%	6.00%	6.75%	7.50%	9.00%	
6	Chandigarh	Solar	2.50%	3.60%	4.70%	6.10%	8.00%	2017
		Non-solar	4.20%	5.40%	6.80%	8.00%	9.00%	
7	Chhattisgarh	Solar	2.00%	3.50%	5.00%	6.50%	NYA	2016
		Non-solar	7.00%	7.50%	8.00%	8.50%	NYA	
8	Dadar & Nagar Haveli	Solar	2.50%	3.60%	4.70%	6.10%	8.00%	2017
		Non-solar	4.20%	5.40%	6.80%	8.00%	9.00%	
9	Daman & Diu	Solar	2.50%	3.60%	4.70%	6.10%	8.00%	2017
		Non-solar	4.20%	5.40%	6.80%	8.00%	9.00%	
10	Delhi	Solar	4.75%	6.75%	8.75%	NYA	NYA	2017
		Non-solar	9.50%	10.25%	11.00%	NYA	NYA	
11	Goa	Solar	2.50%	3.60%	4.70%	6.10%	8.00%	2017
		Non-solar	4.20%	5.40%	6.80%	8.00%	9.00%	
12	Gujarat	Solar	3.00%	4.25%	5.50%	6.75%	NYA	2017
		Non-solar	8.35%	8.45%	8.80%	8.90%	NYA	
13	Haryana	Solar	1.25%	NYA	NYA	NYA	NYA	2017
		Non-solar	2.75%	NYA	NYA	NYA	NYA	
14	Himachal Pradesh	Solar	4.75%	6.75%	NYA	NYA	NYA	2017
		Non-solar	9.50%	10.25%	NYA	NYA	NYA	
15	Jammu & Kashmir	Solar	1.25%	1.50%	1.75%	2.00%	NYA	2016
		Non-solar	7.25%	8.00%	8.75%	9.50%	NYA	
16	Jharkhand	Solar	3.75%	5.50%	6.55%	NYA	NYA	2016
		Non-solar	4.00%	4.50%	5.00%	NYA	NYA	
17	Karnataka	Solar	2.75%	6.00%	7.25%	8.50%	10.50%	2018

		Non-solar	12.00%	12.00%	12.00%	12.00%	12.00%	
18	Kerala	Solar	1.50%	2.75%	NYA	NYA	NYA	2017
		Non-solar	6.00%	7.00%	NYA	NYA	NYA	
19	Lakshadweep	Solar	2.50%	3.60%	4.70%	6.10%	8.00%	2017
		Non-solar	4.20%	5.40%	6.80%	8.00%	9.00%	
20	Madhya Pradesh	Solar	4.75%	6.75%	NYA	NYA	NYA	2016
		Non-solar	9.50%	10.25%	NYA	NYA	NYA	
21	Maharashtra	Solar	1.50%	2.00%	2.50%	NYA	NYA	2015
		Non-solar	10.50%	11.00%	11.50%	NYA	NYA	
22	Manipur	Solar	NYA	NYA	NYA	NYA	NYA	2015
		Non-solar	NYA	NYA	NYA	NYA	NYA	
23	Meghalaya	Solar	0.43%	NYA	NYA	NYA	NYA	2015
		Non-solar	2.07%	NYA	NYA	NYA	NYA	
24	Mizoram	Solar	NYA	NYA	NYA	NYA	NYA	2015
		Non-solar	NYA	NYA	NYA	NYA	NYA	
25	Nagaland	Solar	NYA	NYA	NYA	NYA	NYA	
		Non-solar	NYA	NYA	NYA	NYA	NYA	
26	Odisha	Solar	4.75%	6.75%	7.00%	NYA	NYA	2016
		Non-solar	9.50%	10.25%	10.50%	NYA	NYA	
27	Puducherry	Solar	2.50%	3.60%	4.70%	6.10%	8.00%	2017
		Non-solar	4.20%	5.40%	6.80%	8.00%	9.00%	
28	Punjab	Solar	1.80%	2.20%	2.50%	NYA	NYA	2015
		Non-solar	4.20%	4.30%	4.40%	NYA	NYA	
29	Rajasthan	Solar	4.75%	6.75%	NYA	NYA	NYA	2017
		Non-solar	9.50%	10.25%	NYA	NYA	NYA	
30	Sikkim	Solar	4.75%	6.75%	NYA	NYA	NYA	2017
		Non-solar	9.50%	10.25%	NYA	NYA	NYA	
31	Tamil Nadu	Solar	5.00%	NYA	NYA	NYA	NYA	2016
		Non-solar	9.00%	NYA	NYA	NYA	NYA	
32	Telangana	Solar	0.25%	6.00%	6.50%	7.00%	7.50%	2018
		Non-solar	5.00%					
33	Tripura	Solar	NYA	NYA	NYA	NYA	NYA	
		Non-solar	NYA	NYA	NYA	NYA	NYA	
34	Uttar Pradesh	Solar	NYA	NYA	NYA	NYA	NYA	
		Non-solar	NYA	NYA	NYA	NYA	NYA	
35	Uttarakhand	Solar	0.50%	NYA	NYA	NYA	NYA	2013
		Non-solar	11.00%	NYA	NYA	NYA	NYA	
36	West Bengal	Solar	NYA	NYA	NYA	NYA	NYA	
		Non-solar	NYA	NYA	NYA	NYA	NYA	

Note : NYA stands for Not Yet Announced