

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-2716
TO BE ANSWERED ON-27.12.2018
FDI IN RENEWABLE ENERGY SECTOR

2716. SHRI S.R. VIJAYAKUMAR
SHRI T. RADHAKRISHNAN
SHRI SUDHEER GUPTA
KUNWAR HARIBANSH SINGH
SHRI S. RAJENDRAN

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

- (a) the ranking of India in the world's renewable energy capacity;
- (b) the quantum of Foreign Direct Investment (FDI) received during each of the last three years and the current year;
- (c) the number of renewable energy plants functional in the country as on date, State/UT-wise;
- (d) whether the Government is aware that the financial condition of renewable energy sector are on verge of collapse; and
- (e) If so, the details thereof and the reasons for the same along with the corrective measures taken/being 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) As per Global Status Report-2018 of REN21 (Renewable Energy Policy Network for the 21st Century), India ranked 5th in Renewable Power Capacity (including hydropower) and 4th (not including hydropower) as of end 2017.

(b) The FDI data cell of the Department of Industrial Policy and Promotion (DIPP) compiles and maintains the data of Foreign Direct Investment (FDI) Equity inflow received in the country. The FDI equity inflow from April, 2015 to June, 2018 in the Non-Conventional Energy Sector is as under:-

Sl No	Year	FDI in US\$ million
1	2015-16 Apr-Mar	776.51
2	2016-17	783.57
3	2017-18	1,204.46
4	2018-19 Apr-Jun	452.89
	Grand Total	3,217.43

(c) The details of State-wise installed capacity of Grid Interactive Renewable Power as on 30-11-2018 are given in **Annexure**. A total of 81.15 billion units (BU) of power have been generated in the year 2018-19 (up to October 2018) from all renewable energy sources.

(d) & (e) The Renewable Energy projects are mostly being implemented in the private sector. As on 30-11-2018, a total capacity of around 73.95 GW has been installed in the country of which 37.84 GW has been added during the last four and half year. The steps taken by the Government to support the renewable energy sector, inter-alia, include: fiscal and promotional incentives such as capital subsidy, accelerated depreciation, waiver of Inter State Transmission System (ISTS) charges and losses, viability gap funding (VGF) and permitting Foreign Direct Investment up to 100 per cent under the automatic route. Also, to ensure cheaper generation of renewable energy, projects are awarded through transparent bidding process i.e. through e-reverse auction. The Government has issued standard bidding guidelines to enable the distribution licensees to procure power at competitive rates in cost effective manner.

Annexure

Annexure referred to in reply to part (c) of Lok Sabha Un-starred Question No. 2716 for 27/12/2018 regarding 'FDI in Renewable Energy Sector'

State-wise installed capacity of Grid Interactive Renewable Power as on 30.11.2018.											
S. No	STATES / Uts	Small Hydro Power	Wind Power	Bio-Power				Solar Power			Total Capacity
				BM Power/ Bagasse Cogen. (Grid Interactive)	BM Cogen. (Non-Bagasse/ Captive Power)	Waste to Energy	Total Bio Power	Ground Mounted	Roof Top	Total	
		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	162.11	4074.35	378.20	98.98	23.16	500.34	2594.17	47.59	2641.76	7378.56
2	Arunachal Pradesh	107.100						1.27	4.12	5.39	112.49
3	Assam	34.11						10.67	6.01	16.68	50.79
4	Bihar	70.70		113.00	8.20		121.20	138.93	3.52	142.45	334.35
5	Chhatisgarh	76.00		228.00	2.50		230.50	215.83	15.52	231.35	537.85
6	Goa	0.05						0.20	0.71	0.91	0.96
7	Gujarat	30.10	5852.67	65.30	12.00		77.30	1644.29	146.64	1790.93	7751.00
8	Haryana	73.50		121.40	84.26		205.66	130.80	86.29	217.09	496.25
9	Himachal Pradesh	860.61			7.20		7.20	0.00	3.89	3.89	871.70
10	Jammu & Kashmir	179.03						8.49	1.36	9.85	188.88
11	Jharkhand	4.05			4.30		4.30	19.05	13.02	32.07	40.42
12	Karnataka	1230.73	4672.30	1783.60	15.20	1.00	1799.80	5104.06	151.05	5255.11	12957.94
13	Kerala	222.02	52.50		0.72		0.72	100.00	38.49	138.49	413.73
14	Madhya Pradesh	95.91	2519.890	93.00	12.35	15.40	120.75	1507.73	28.52	1536.25	4272.80
15	Maharashtra	373.570	4788.13	2499.70	16.40	12.59	2528.69	1267.30	160.49	1427.79	9118.18
16	Manipur	5.45						0.00	2.59	2.59	8.04
17	Meghalaya	31.03			13.80		13.80	0.00	0.08	0.08	44.91
18	Mizoram	36.47						0.10	0.10	0.20	36.67
19	Nagaland	30.67						0.00	1.00	1.00	31.67
20	Odisha	64.625		50.40	8.82		59.22	113.56	5.84	119.40	243.25
21	Punjab	173.55		194.00	123.10	9.25	326.35	828.1	77.52	905.62	1405.52
22	Rajasthan	23.85	4299.72	119.30	2.00		121.30	3038.49	92.5	3130.99	7575.86
23	Sikkim	52.11						0.00	0.01	0.01	52.12
24	Tamil Nadu	123.05	8624.29	926.00	28.55	6.40	960.95	2098.27	130.17	2228.44	11936.73
25	Telangana	90.87	128.10	158.10	1.00	18.50	177.60	3363.29	46.97	3410.26	3806.83
26	Tripura	16.01						5.00	0.09	5.09	21.10
27	Uttar Pradesh	25.10		1957.50	160.01		2117.51	749.00	57.01	806.01	2948.62
28	Uttarakhand	214.320		73.00	57.50		130.50	239.78	63.40	303.18	648.00
29	West Bengal	98.50		300.00	19.92		319.92	20.71	18.58	39.29	457.71
30	Andaman & Nicobar	5.25						5.10	1.46	6.56	11.81
31	Chandigarh							6.34	24.44	30.78	30.78
32	Dadar & Nagar Haveli							2.49	2.97	5.46	5.46
33	Daman & Diu							10.15	3.23	13.38	13.38
34	Delhi					52.00	52.00	8.96	97.60	106.56	158.56
35	Lakshwadeep							0.75	0.00	0.75	0.75
36	Pondicherry							0.03	1.7	1.73	1.73
37	Others		4.30								4.30
	Total (MW)	4510.445	35016.250	9060.50	676.81	138.30	9875.61	23232.91	1334.48	24567.39	73969.70

MW = Megawatt