

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.3122
TO BE ANSWERED ON 03.08.2017**

PER CAPITA CONSUMPTION OF POWER

3122. SHRI TEJ PRATAP SINGH YADAV:

**Will the Minister of POWER
be pleased to state:**

- (a) whether India is 5th largest producer of electricity in the world but it ranks 150th in terms of per capita consumption;**
- (b) if so, the details thereof;**
- (c) whether the demand and supply mismatch for electricity is growing even as millions have no access to power at all, especially in rural areas;**
- (d) if so, the details thereof;**
- (e) whether reforms in power sector is imperative as estimated financial loss amounts to over 4 per cent of GDP; and**
- (f) if so, the steps being taken by the Government in this regard?**

A N S W E R

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES**

(SHRI PIYUSH GOYAL)

(a) & (b) : As per information available from International Energy Agency (IEA), India was the 3rd largest producer of electricity in the world and 105th in terms of per capita consumption in 2014. Top ten electricity producing countries in the world as per data by Key World Energy Statistics 2016 (IEA) for the year 2014 is given at Annexure-I. The per capita consumption of various countries as per Key World Energy Statistics 2016 (International Energy Agency) for the year 2014 is given at Annexure-II.

(c) & (d) : The gap in demand and supply of electricity, in terms of Peak in MW and Energy in MU has progressively reduced despite increase in Peak demand and Energy requirement. The details are given at Annexure-III.

(e) & (f) : As per the report of PFC, the aggregate losses for utilities selling power directly to consumers are having decreasing trend. As a reform measure, Ministry of Power has commenced UDAY (Ujwal DISCOM Assurance Yojana), [a Scheme for the Financial turnaround of Power Distribution Companies (DISCOMs)] with a view to improving the operational and financial efficiency of the State DISCOMs.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3122 TO BE ANSWERED IN THE LOK SABHA ON 03.08.2017.

Top ten electricity producing countries in the world as per data by Key World Energy Statistics 2016 (IEA) for the year 2014

S. No.	Country	Electricity Production (TWh)
1	People's Rep. of China	5666
2	United States	4319
3	India	1279*
4	Russian Federation	1062
5	Japan	1036
6	Canada	656
7	Germany	622
8	Brazil	591
9	France	557
10	Korea	546

****Figure in respect of India has been calculated by CEA and pertains to the financial year 2014-15***

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 3122 TO BE ANSWERED IN THE LOK SABHA ON 03.08.2017.

Per capita consumption of various countries as per Key World Energy Statistics 2016 (International Energy Agency) for the year 2014

Sl. No.	Region/Country	Electricity per capita consumption (kWh/popl.)
1	Iceland	53896
2	Norway	23001
3	Bahrain	19224
4	Qatar	16736
5	Canada	15544
6	Kuwait	15333
7	Finland	15246
8	Luxembourg	13873
9	Sweden	13480
10	United States	12962
11	United Arab Emirates	11245
12	Chinese Taipei	10738
13	Korea	10564
14	Brunei Darussalam	10113
15	Australia	10002
16	Saudi Arabia	9410
17	New Zealand	9131
18	Singapore	8844
19	Austria	8358
20	Japan	7829
21	Belgium	7745
22	Switzerland	7520
23	Trinidad and Tobago	7137
24	Germany	7035
25	France	6955
26	Slovenia	6728
27	Estonia	6725
28	Netherlands	6713
29	Israel	6604
30	Russian Federation	6603
31	Czech Republic	6259
32	Oman	6128
33	Hong Kong, China	6073
34	Denmark	5859
35	Gibraltar	5818
36	Ireland	5725
37	Kazakhstan	5600
38	Spain	5358
39	Slovak Republic	5137
40	United Kingdom	5131
41	Greece	5047
42	Malta	5012
43	Italy	5002
44	Cyprus ⁵	4868
45	Curaçao	4795

46	Bulgaria	4709
47	Portugal	4663
48	Malaysia	4646
49	Montenegro	4611
50	Serbia	4273
51	South Africa	4240
52	Hungary	3966
53	China (People's Rep. of)	3927
54	Poland	3923
55	Chile	3863
56	Lithuania	3826
57	Croatia	3715
58	Suriname⁵	3699
59	Belarus	3682
60	Lebanon	3565
61	Latvia⁵	3514
62	FYR of Macedonia	3500
63	Ukraine	3412
64	Bosnia and Herzegovina	3144
65	Uruguay	3068
66	Argentina	3052
67	Islamic Rep. of Iran	2996
68	Turkey	2870
69	Kosovo	2803
70	Turkmenistan	2759
71	Venezuela	2661
72	Romania	2584
73	Brazil	2578
74	Thailand	2566
75	Jordan	2517
76	Albania	2305
77	Georgia	2225
78	Azerbaijan	2202
79	Mauritius	2182
80	Mexico	2169
81	Panama	2082
82	Mongolia	2027
83	Costa Rica	1958
84	Kyrgyzstan	1942
85	Armenia	1901
86	Libya	1841
87	Botswana	1708
88	Egypt	1699
89	Uzbekistan	1645
90	Dominican Republic	1578
91	Namibia	1563
92	Paraguay	1563
93	Tajikistan	1492
94	Tunisia	1463
95	Cuba	1442
96	Vietnam	1439
97	Moldova	1386
98	Ecuador	1381
99	Algeria	1363
100	Iraq	1313

101	Peru	1308
102	Gabon	1303
103	Colombia	1290
104	Jamaica	1110
105	India	1010
106	El Salvador	966
107	Morocco	912
108	Syrian Arab Republic	823
109	Indonesia	814
110	Bolivia	753
111	Philippines	706
112	Zambia	703
113	Honduras	697
114	DPR of Korea	602
115	Nicaragua	580
116	Guatemala	575
117	Zimbabwe	543
118	Sri Lanka	535
119	Pakistan	472
120	Mozambique	463
121	Ghana	357
122	Angola	347
123	Bangladesh	311
124	Côte d'Ivoire	281
125	Cameroon	274
126	Cambodia	270
127	Sudan	248
128	Senegal	222
129	Yemen	217
130	Republic of Congo	213
131	Myanmar	211
132	Kenya	171
133	Togo	155
134	Nigeria	144
135	Nepal	140
136	Dem. Rep. of the Congo	107
137	Tanzania	100
138	Benin	97
139	Ethiopia	70
140	Eritrea	63
141	Niger	52
142	Haiti	39
143	South Sudan	39

Note: Figure in respect of India has been calculated by CEA and pertains to the financial year 2014-15

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO. 3122 TO BE ANSWERED IN THE LOK SABHA ON 03.08.2017.

Year wise Demand and supply of electricity

FY	Peak demand (MW)	Peak Met (MW)	Gap		Energy requirement (MU)	Energy supplied (MU)	Gap	
			(MW)	%			(MU)	(%)
2014-15	1,48,166	1,41,160	-7,006,	-4.7%	10,68,923	10,30,785	-38,138	-3.6%
2015-16	1,53,366	1,48,463	-4,903,	-3.2%	11,14,408	10,90,850	-23,558	-2.1%
2016-17	1,59,542	1,56,542	-991,	-1.6%	11,42,928	11,35,332	-7,596	-0.7%
