Gap between demand and generation of power

2487. SHRIMATI SASIKALA PUSHPA: Will the Minister of POWER be pleased to state:

(a) the details of demand and generation of power in the country during each of the last two years and this year so far, year-wise and State-wise;

(b) the steps taken by Government to bridge the gap;

(c) whether Government proposes to set up more power plants in the country to tide over the gap between demand and generation; and

(d) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI PIYUSH GOYAL): (a) The State/UT-wise total demand and supply of power in terms of energy and peak in the country and generation during last two years (2013-14 and 2014-15) and current year are at given in Statement I and II, respectively (*See* below).

(b) The following steps have been taken to bridge the gap between demand and generation in the country:

(i) Capacity addition of 1,18,537 MW (including 88,537 MW conventional and 30,000 MW renewable) during the 12th Plan, *i.e.* by 2016-17. As against this, about 69,960 MW from conventional sources has been achieved till 30.11.2015 and about 13,204 MW from renewable sources till 31.10.2015.

(ii) Construction of 1,07,440 ckm transmission lines and setting up of 2,82,740 MVA transformation capacity during the 12th Plan, *i.e.* by 2016-17. As against this, 73,112 ckm of transmission lines and 2,13,969 MVA of transformation capacity have been achieved till October, 2015.

(iii) Government of India has taken initiative to prepare State specific Action Plans for providing 24X7 Power For All (PFA) in partnership with the States.

(iv) Two new schemes are being implemented by the Government of India, namely, Deendayal Upadhyay Gram Jyoti Yojana and Integrated Power Development Scheme for strengthening of sub-transmission and distribution networks and for segregation of agricultural feeders to give adequate and reliable supply and reduce line losses.

(v) Promotion of energy conservation, energy efficiency and other demand side management measures.

(vi) Central Government has notified a new scheme, namely, Ujwal Discom Assurance Yojana (UDAY) on 20.11.2015 for Operational and Financial Turnaround of Discoms.

(vii) Expeditious resolution of issues relating to Environmental and Forest clearances for facilitating early completion of generation and transmission projects.

(viii) Providing support from Power System Development Fund for stranded gas based generation.

(c) and (d) The power projects under construction which are likely to be ready by the end of 2019 has around 86,363 MW capacity comprising of 72,326 MW from Thermal, 9,737 MW from Hydro and 4,300 MW from Nuclear sources.

Statement-I

Demand (Energy Requirement) from Central Generating Stations

State	2013-14	2014-15	2015-16
	Demand (Energy Requirement)	Demand (Energy Requirement)	Demand (Energy Requirement) up to November
	(MU)	(MU)	(MU)
1	2	3	4
Chandigarh	1574	1616	1180
Delhi	26867	29231	22048
Haryana	43463	46615	33692
Himachal Pradesh	9089	8807	5821
Jammu and Kashmir	15613	16214	10533
Punjab	47821	48629	37537
Rajasthan	58202	65717	43004
Uttar Pradesh	94890	103179	73826
Uttarakhand	11944	12445	8674
Chhattisgarh	18932	21499	17139
Gujarat	88497	96235	69647
Madhya Pradesh	49410	53374	38091
Maharashtra	126288	134897	94531

1	2	3	4
Daman and Diu	2252	2086	1546
Dadra and Nagar Haveli	5390	5307	3917
Goa	3890	3969	3405
Andhra Pradesh	95662	59198	33275
Telangana	-	43337	33424
Karnataka	64150	62643	41249
Kerala	21577	22459	15137
Tamil Nadu	93508	95758	64706
Puducherry	2344	2402	1686
Bihar	15391	19294	15914
DVC	17407	18222	12516
Jharkhand	7143	7599	5072
Odisha	24958	26482	18271
West Bengal	42891	47086	32720
Sikkim	413	399	251
Arunachal Pradesh	552	677	388
Assam	7544	8527	6093
Manipur	579	705	544
Meghalaya	1794	1930	1182
Mizoram	446	455	298
Nagaland	577	688	501
Tripura	1195	1242	859

Statement-II

Region-wise, State-wise and station;wise generation for 2013-14, 2014-15 and 2015-16 (upto Nov. 15)

Region	State	Generation (MU)		
		2015-16 (upto Nov 15)*	2014-15	2013-14
1	2	3	4	5
NR	BBMB	8848.1	10599.78	12125.01
	Delhi	4569.53	8722.83	8637.67

1	2	3	4	5
	Haryana	14679.11	28748.61	26374.22
	Himachal Pradesh	24060.03	23319.13	21680.66
	Jammu and Kashmir	11943.71	14485.02	12426.79
	Punjab	16852.85	22960.9	20731.49
	Rajasthan	33787.97	54185.92	45851.36
	Uttar Pradesh	74490.81	111901.7	111843.01
	Uttarakhand	10102.2	11439.22	11025.01
NR Total		199334.3	286363.2	270695.22
WR	Chhattisgarh	55698.22	79710.57	70930.12
	Goa	0	12.61	241.32
	Gujarat	71934.44	105538.5	97198.69
	Madhya Pradesh	60764.07	75212.47	59646.87
	Maharashtra	77685.52	107309.2	94699.94
WR Total		266082.3	367783.4	322716.94
SR	Andhra Pradesh	36549.06	45245.42	45526.85
	Karnataka	31038.97	50163.29	49364.51
	Kerala	4840.46	8034.17	9249.8
	Puducherry	142.63	102.14	256.97
	Tamil Nadu	48938.06	71418.41	62210.7
	Telangana	23989.29	40901.97	39152.87
SR Total		145498.5	215865.4	205761.7
ER	Andaman Nicobar	113.73	153.76	171.49
	Bihar	13254.04	18272.27	14939.36
	DVC	18721.75	25551.11	28115.29
	Jharkhand	10119.06	14621.88	14345.18
	Odisha	38393.32	51332.44	46212.19
	Sikkim	2973.33	3345.29	2945.38
	West Bengal	31452.21	49742.02	46069.88
ER Total		115027.4	163018.8	152798.77
NER	Arunachal Pradesh	1108.77	1109.48	980.94

1	2	3	4	5
	Assam	3077.09	4299.84	4365.22
	Manipur	409.63	372.44	639.84
	Meghalaya	899.28	863.15	981.61
	Nagaland	146.15	165.15	245.71
	Tripura	3295.05	3824.44	2366.49
NER Total		8935.97	10634.5	9579.81
Import	Bhutan (IMP)	5036.82	5007.74	5597.9
Import Total		5036.82	5007.74	5597.9
Grand Total		739915.3	1048673	967150.34

* Provisional based on actual-cum-assessment

Note: 1. Generation from conventional sources (Thermal, Hydro and Nuclear) stations of 25 MW and above only.

2. Generation from stations below 25 MW are not being monitored since 01.04.10.

3. Figures given above indicate gross generation of all power stations (Central, State and Private Sector) located geographically in the respective State/UT.

Enhancing hydro-electric power generation

†2488. SHRI MAHENDRA SINGH MAHRA: Will the Minister of POWER be pleased to state:

(a) the existing demand for power in megawatt in the country;

(b) whether power generation is in accordance with the demand;

(c) if not, whether Government would consider enhancing hydro-electric power generation to meet the shortage of power in States, especially in hilly States;

(d) if so, whether Government has set a target for increasing generation of hydro electric power; and

(e) if not, how the rising demand for power would be met?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI PIYUSH GOYAL): (a) The peak Demand for Power in the country during 2015-16 (April–November) was 1,53,366 MW.

(b) and (c) Yes, Sir.

(d) and (e) The requirement of power is met through different types of generating sources including hydro generation. The power is available to a state including a hilly

† Original notice of the question was received in Hindi.