GOVERNMENT OF INDIA MINISTRY OF POWER

LOK SABHA UNSTARRED QUESTION NO.1397 TO BE ANSWERED ON 09.03.2017

DEMAND AND SUPPLY OF POWER

1397. SHRI MUZAFFAR HUSSAIN BAIG: SHRI SADASHIV LOKHANDE: SHRI ASHOK MAHADEORAO NETE: SHRIMATI PRATYUSHA RAJESHWARI SINGH:

Will the Minister of POWER be pleased to state:

(a) the demand and supply of power in the country during winter, State/UT-wise including Jammu & Kashmir;

(b) the quantum of power produced by each State/UT with its own resources and the quantum of power given from central generating stations to each State/ UT, during the last two years and the current year;

(c) the reasons for shortage of power in some States and the steps taken/being taken by the Union Government to meet the power shortage of those States;

(d) whether the Union Government has approved/sanctioned any power projects during the last two years for various States/UTs and if so, the details thereof, State/UT-wise; and

(e) whether the Union Government proposes to revamp the existing funding and execution pattern of various schemes to achieve the goal of 24x7 power supply to all in the country and if so, the details thereof?

ANSWER

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

(SHRI PIYUSH GOYAL)

(a): The demand and supply of power in the country including Jammu and Kashmir during winter season is given at Annex-I.

(b): The quantum of power produced by each State/UT with its own resources and the quantum of power given from central generating stations (schedule) to each State/UT, during the last two years and the current year is given in Annex-II & III respectively.

(c): As per information given by the States / UTs to the Central Electricity Authority, a few States are facing energy shortages due to the following reasons:

- **1. Sub-transmission and distribution constraints.**
- 2. **Poor performance of state's own generating stations.**

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- **3. Poor financial condition of many state power utilities.**
- 4. High Aggregate Technical and Commercial (AT&C) losses.

The following steps have been taken to meet the power shortage in the country:

- During the 12th Plan period (2012-17), a capacity addition of about 94,681 MW as against the target of 88,537 MW from the conventional sources have been achieved, till 28th February, 2017 and about 22736 MW as against the target of 30,000 MW from renewable sources have been achieved, till 31st January, 2017.
- (ii) Adequate supply of the domestic coal to power plants has been ensured.
- (iii) During the 12th Plan period (2012-17), 1,06,146 ckm as against the target of 1,07,440 ckm of transmission lines and 3,04,183 MVA as against the target of 2,82,750 MVA of transformation capacity have been completed till 31st January, 2017.
- (iv) The Government of India has taken an initiative to prepare State specific Action Plans for providing 24X7 Power For All (PFA) in partnership with the States.
- (v) Two new schemes have been launched by the Government of India, namely, Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) for strengthening of sub-transmission and distribution networks and for segregation of agricultural feeders to give adequate and reliable supply and reduce line losses.
- (vi) The Government of India has taken several steps to promote energy conservation, energy efficiency and other demand side management measures.
- (vii) The Central Government has notified Ujjwal Discom Assurance Yojana (UDAY) scheme on 20.11.2015 for Operational & Financial Turnaround of DISCOMs.
- (viii) Government of India has taken steps for expeditious resolution of issues relating to Environmental and forest clearances for facilitating early completion of generation and transmission projects.
- (ix) The Government of India is also implementing a scheme by providing support from Power System Development Fund (PSDF) for operationalisation of stranded gas based generation.

(d): Electricity is a concurrent subject. As per Electricity Act, 2003, electricity generation is a delicensed activity and any State or generating companies may establish a generating station.

Only hydro projects need Techno-economic Clearance. Detailed Project Reports (DPRs) of 6 Hydroelectric Projects with an aggregate installed capacity of 2,115 MW have been concurred by the CEA during the last two years (i.e. 2014-15 & 2015-16). State-wise details are given at Annex-IV.

(e): There is no such proposal at the moment.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1397 TO BE ANSWERED IN THE LOK SABHA ON 09.03.2017.

Power Supply Position during winter

State / Region October, 2016 - January,2017 October, 2016 - January,2017 Region Availability Surplus / Deficit () Peak Met Surplus / Deficit () Demand Peak Met Surplus / Deficit () Chandigarh (MU) (MU) (MU) (MU) (MW) (MW)<		Energy			Peak				
System / Region Requirement Availability Surplus / Deficit (·) Peak Met Defixit (·) Surplus/Deficit (·) (MU) (MU) (MU) (MU) (MU) (MW) (MW) (MW) (MW) Chandigarin 8,498 0.0 0.0 280 20 0.0 0.0 Delhi 8,106 8,101 5 -0.1 5,442 0.0 0.0 Hinachal Pradesh 2,906 -2.01 -0.7 1,492 1,442 0 0.0 Jamma & Kashnir 6,163 4,958 -1.205 -1.9.6 2,675 2,140 -5.33 -2.00 Rajasthan 23,355 2.44 -1.0 10,618 9.068 0.0 0.0 Rajasthan 2,037 0 0.0 0.0 1.1 11,5673 15,398 -2.75 1.4 Uttar Pradesh 44,182 -1.8 44,963 44,514 -0.0 0.0 3.001 -3 0.1 0.1 Gujarat 7,717 <t< th=""><th>State /</th><th colspan="3">October, 2016 - January,2017*</th><th colspan="3">October, 2016 - January,2017*</th></t<>	State /	October, 2016 - January,2017*			October, 2016 - January,2017*				
(MU) (MU) (MV) (MV) (MV) (MV) (MV) (%V) Chandigarh 438 438 0 0 280 0 0 0 Delni 8,106 8,101 5 -0.1 5,442 5,442 0 0.0 Haryana 14,092 14,092 0 0 8,181 0 0.0 Jamma & Kashmir 6,163 4,958 -12.05 -19.6 2,675 2,140 -5.33 -20.0 Jamma & Kashmir 33,407 13,407 0 0.0 8,408 0 0.0 Rajashan 23,599 23,355 -244 -1.0 10,613 10,348 -265 -5.5 Uttar Pradesh 34,182 33,791 391 -1.4 10,613 46,916 -0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 <	System / Region	Requirement	Availability	Surplus / Deficit (-)		Peak Demand	Peak Met	Surplus/Deficit (-)	
Chandigarh 438 438 0 0.0 280 280 0 0.0 Harpana 14,092 14,092 0.0 6,142 5,442 0.0 0.0 Himachal Pradesh 2,966 2,965 -21 0.7 1,492 1,492 0.0 0.0 Jammu & Kashmir 6,163 4,958 -1,205 1.9.6 2,675 2,140 -8.38 -2.00 Panjab 13,407 13,407 0 0.0 8,408 6,408 0.0 0.0 Vittarakhand 4,164 4,138 26.0 6.2,037 2,037 0 0.0 Northern Region 1,07,140 1,05,249 -1,891 -1.8 48,963 48,514 4.49 0.0 0.0 Gajarat 32,602 32,601 -1 0.0 14,134 14,134 0 0.0 Maharashtra 24,185 0 0.0 327 327 0.0 0.0 Dadar Nagar Haveli 1,981<		(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
Delhi 8,106 8,101 5 .0.1 5,442 5,442 0.0 Haryana 14,092 14,092 0.0 0.0 8,181 8,181 0.0 Jamma & Kashmir 6,163 4,958 -1,205 14,02 1,492 0.0 0.0 Rajasthan 23,559 23,355 244 -0.0 8,408 0.00 Rajasthan 23,559 23,355 244 -1.0 10,613 10,348 -265 2.50 Uttar Pradesh 34,162 33,791 391 -1.1 15,673 15,588 -275 -1.4 Northern Region 1,07,140 1,05,249 -1,891 -1.8 48,963 44,914 -0.0 Gajarat 32,802 32,801 -1 0.0 11,512 11.1 -0.1 Madhya Pradesh 14,981 24,185 0 0.0 2327 237 0 0.0 Barna Roi 777 777 0 0.0 3247 324<	Chandigarh	438	438	0	0.0	280	280	0	0.0
Haryana 14,092 14,092 0 0.0 8,181 6,161 0.0 Jammu & Kashmir 2,986 2,985 -21 0.0 1,492 0 0.0 Jammu & Kashmir 6,163 4,988 -1,205 -19.6 2,675 2,140 -538 -20.0 Punjab 13,407 13,407 0 0.0 8,408 6,408 0 0.0 Rajasthan 23,595 2,44 -1.0 10,613 10,348 -265 2.5 Utter readesh 34,182 33,791 -391 -1.1 15,673 15,398 -275 1.4 Utterskhand 41,64 4,138 -0.0 3,401 -0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3,401 -0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Delhi	8,106	8,101	-5	-0.1	5,442	5,442	0	0.0
Himachal Pradesh 2,986 2,985 -21 -0.7 1,482 1,492 1,492 0.0 0.0 Punjab 13,407 13,407 0 0.0 8,408 0.00 0.0 Rajashan 23,599 23,355 244 1.0 10,613 10,348 265 2.5 Uttar Pradesh 34,162 33,791 391 1.41 15,673 15,398 -275 .41.8 Northern Region 1,07,140 1,05,249 1,881 1.48,963 34,514 .449 0.0 Gujarat 32,602 32,801 .1 0.0 14,134 1.4,134 .0 0.0 Madhya Pradesh 24,165 24,185 0 0.0 11,512 11,501 .11 .0.1 Madhya Pradesh 1,981 1,981 0 0.0 784 0 0.00 Daman & Sup 7,77 77 0.0 0 784 1.4 0.0 0.0 0.0 0.0 0.0 </td <td>Haryana</td> <td>14,092</td> <td>14,092</td> <td>0</td> <td>0.0</td> <td>8,181</td> <td>8,181</td> <td>0</td> <td>0.0</td>	Haryana	14,092	14,092	0	0.0	8,181	8,181	0	0.0
Jammu & Kashmir 6,163 4,958 -1,205 -19.6 2,75 2,140 -535 -20.0 Rajasthan 23,599 23,355 -244 -1.0 10,613 10,348 -265 -2.5 Uttar Pradesh 34,162 33,791 -391 -1.1 15,673 15,398 -275 -1.8 Uttar Pradesh 4,164 4,138 -2.6 -0.6 2,037 0 0.0 Northern Region 1,07,140 10,05,249 -1,891 -1.8 48,953 48,514 449 0.0 Gujarat 32,802 32,801 -1 0.0 14,134 14,134 0 0.0 Maharashtra 24,185 24,4185 0 0.0 14,134 14,134 0 0.0 Dadar Nagar Haveli 1,981 19,881 0 0.0 7362 7,425 -37 -0.1 Goa 1,257 1,257 0 0.0 7,4052 47,425 -37 -0.1	Himachal Pradesh	2,986	2,965	-21	-0.7	1,492	1,492	0	0.0
Punjab 13,407 13,407 0 0.0 8,408 0 0.0 Rajasthan 23,599 23,355 2.44 -1.0 10,613 10,348 265 2.5 Uttar Pradesh 34,182 33,791 -391 -1.1 15,673 15,398 -275 .1.8 Uttarskhand 4,164 4,138 -26 -0.6 2,037 2,037 0 0.0 Solvard 32,802 3,2801 -1 0.0 14,134 449 0.9 Gujarat 32,802 32,801 -1 0.0 14,134 1.4 0.0 Machya Pradesh 24,185 24,485 0 0.0 327 327 0.2 Daman & Diu 777 777 0 0.0 321 331 0.0 0.0 Goa 1,257 1,257 0 0.0 531 531 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Jammu & Kashmir	6,163	4,958	-1,205	-19.6	2,675	2,140	-535	-20.0
Rajasthan 23,599 23,355 -244 -1.0 10,613 10,348 -265 -2.55 Uttar Pradesh 34,162 33,791 -391 -1.1 15,673 15,398 -275 -1.8 Northern Region 1,07,140 1,05,249 -1,801 -1.8 46,953 48,514 -449 0.0 Gujarat 32,802 32,801 -1 0.0 14,134 14,134 0 0.0 Madhya Pradesh 24,185 24,185 0 0.0 11,512 11,501 -11 -0.1 Maharashtra 46,466 46,448 -10 0.0 327 327 0 0.0 Goa 1,267 1,267 0 0.0 531 531 0 0.0 Goa 1,267 1,267 0 0.0 531 531 0 0.0 Goa 1,267 1,267 0.20 7,464 7,402 -1 0.0 Felangan 1,71,912<	Punjab	13,407	13,407	0	0.0	8,408	8,408	0	0.0
Uttar 34,182 33,791 -391 -1.1 15,673 15,398 -2.75 -1.8 Vitarakhand 4,164 4,138 -26 -0.6 2,037 0 0.0 Northern Region 1,07,140 1,05,249 -1,891 -1.8 48,963 48,514 -449 -0.9 Chattisigarh 7,170 7,170 0 0.0 14,134 14,134 0 0.0 Maharashtra 48,666 46,448 -18 0.0 20,493 20,462 -37 -0.2 Daman & Diu 7777 707 0 0.0 327 327 0 0.0 Goa 1,257 1,257 0 0.0 531 531 0 0.0 Goa 1,14,637 1,14,620 -17 0.0 47,852 -37 -0.1 Andhra Pradesh 18,292 18,286 -6 0.0 7,405 1,404 1.0 0.0 Telangana 17,917 1	Rajasthan	23,599	23,355	-244	-1.0	10,613	10,348	-265	-2.5
Uttarshand 4,164 4,138 -26 -0.6 2,037 2,037 0.0 0.0 Northem Region 1,07,140 1,05,249 -1.8 48,963 48,514 -449 -0.9 Chhattisgarh 7,170 7,170 0 0.0 3,560 -3 -0.1 Gujarat 32,802 32,801 1 0.0 11,512 11,501 -11 -0.1 Maharashtra 46,466 46,448 -18 0.0 20,499 20,462 -37 -0.2 Daman & Diu 777 777 0 0.0 784 78 0 0.0 Goa 1,257 1,257 0 0.0 784 782 -37 -0.1 Andhra Pradesh 18,292 18,286 -6 0.0 7,404 -1 0.0 Vestorn Region 1,14,620 -17 0.0 47,862 47,825 -37 -0.1 Andhra Pradesh 18,922 163,524 -113	Uttar Pradesh	34,182	33,791	-391	-1.1	15,673	15,398	-275	-1.8
Northern Region 1,07,140 1,05,249 -1,891 -1.8 48,963 48,514 -4.49 -0.9 Chhattisgarh 7,170 7,170 0 0.0 3,502 3,500 -3 0.1 Gujarat 32,802 32,801 1 0.0 14,134 14,134 0 0.0 Maharashtra 46,466 46,448 18 0.0 20,492 2,427 0 0.0 Daman & Diu 777 777 0 0.0 784 784 0 0.0 Goa 1,257 1,257 0 0.0 531 531 0 0.0 Kantaka 1,46,37 1,14,620 -17 0.0 47,862 47,825 -37 0.1 Andhra Pradesh 18,292 18,286 6 0.0 7,404 -1 0.0 Karataka 23,637 23,524 -113 0.5 10,061 9,871 -191 -1.3 Karataka 23,637	Uttarakhand	4,164	4,138	-26	-0.6	2,037	2,037	0	0.0
Chhatisgarh 7,170 7,170 0 0.0 3,502 3,500 -3 0.1 Gujarat 32,802 32,801 -1 0.0 14,134 44,134 0 0.0 Madhya Pradesh 24,185 24,185 0 0.0 11,512 11,501 -11 -0.1 Maharashtra 46,466 46,448 -18 0.0 20,492 20,462 -37 -0.2 Daman & Diu 777 777 0 0.0 784 784 0 0.0 Gea 1,257 1,257 0 0.0 47,862 47,825 -37 0.0 Adhra Pradesh 18,292 14,8286 -6 0.0 7,405 7,404 -1 0.0 Karataka 23,637 23,524 -113 0.05 10,061 9,871 -191 -1.9 Karataka 23,631 23,624 -10 0.0 8,433 -1.2 -3.2 Muducep# 766	Northern Region	1,07,140	1,05,249	-1,891	-1.8	48,963	48,514	-449	-0.9
Gujarat 32,802 32,801 1 0.0 14,134 14,134 0.0 0.0 Madhya Pradesh 24,185 0 0.0 11,512 11,501 11 -0.1 Maharashtra 46,466 46,448 1.8 0.0 20,422 .37 -0.2 Dama & Diu 777 777 0 0.0 327 327 0 0.0 Goa 1,257 1,257 0 0.0 531 531 0 0.0 Goa 1,257 1,257 0 0.0 47,852 47,825 .37 -0.1 Andhra Pradesh 18,292 18,286 -6 0.0 7,404 -1 0.0 14,414 0.0 0.0 331 528 -4.3 1.191 -1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	Chhattisgarh	7,170	7,170	0	0.0	3,502	3,500	-3	-0.1
Madhya Pradesh 24,185 24,185 0 0.0 11,512 11,501 -1.1 Maharashtra 46,466 46,448 -1.8 0.0 20,499 20,462 -3.7 -0.2 Daman & Diu 7.77 0 0.00 0.20 23.7 20.7 0 0.00 Dadar Nagar Haveli 1,981 1,981 0 0.00 7.84 7.84 0 0.00 Goa 1,257 1,257 0 0.00 7.84 7.84 0 0.00 Western Region 1,14,620 11,46,20 11,46,20 7.400 7.404 7.40 1.4 0.00 Karnataka 23,637 23,524 1.13 0.5 10,061 9,811 1.91 1.14 1.14 Karnataka 32,691 32,681 3.00 0.01 14,435 0.0 0.00 Jakhardweep# 16 6 0 0.00 14,435 0.0 0.00 Jakhardweep# 16 <td>Gujarat</td> <td>32,802</td> <td>32,801</td> <td>-1</td> <td>0.0</td> <td>14,134</td> <td>14,134</td> <td>0</td> <td>0.0</td>	Gujarat	32,802	32,801	-1	0.0	14,134	14,134	0	0.0
Maharashtra 46,466 46,448 -18 0.0 20,499 20,462 -37 -0.2 Daman & Diu 777 777 0 0.0 327 327 0 0.0 Dadar Nagar Haveli 1,981 0.981 0.0 0.0 531 531 0 0.0 Goa 1,1257 1,257 0.0 0.0 47,862 47,825 -37 -0.1 Andhra Pradesh 18,228 18,286 -6 0.0 7,404 4.1 0.0 Telangana 17,917 17,912 -5 0.0 8,419 8,391 -28 -0.3 Karnataka 23,637 23,524 -113 -0.5 10,061 9,671 -194 -4 -0.3 Kerala 7,992 7,980 1-10 0.0 14,435 10 0.0 0.0 2.2 -3.3 60 -0.0 Lakshadweep# 16 6 0 0.0 14,435 14.3 0	Madhya Pradesh	24,185	24,185	0	0.0	11,512	11,501	-11	-0.1
Daman & Diu 777 777 0 0.0 327 327 0 0.0 Dadar Nagar Haveil 1,981 1,981 0 0.0 784 784 0 0.0 Goa 1,257 1,257 0 0.0 784 784 0 0.0 Western Region 1,14,637 1,14,620 -17 0.0 47,862 47,825 -37 -0.1 Andhra Pradesh 18,292 18,286 -6 0.0 7,404 -1 0.0 Karnataka 23,637 23,524 -113 -0.5 10,061 9,671 -191 -1.9 Kerala 7,992 7,980 -12 -0.2 3,640 3,598 -43 -1.2 Tamil Nadu 32,691 32,681 -10 0.0 14,435 0 0.0 Puducherry 796 744 -2 0.3 360 346 -12 -3.2 DVC 6,207 6,175 -32 <td>Maharashtra</td> <td>46,466</td> <td>46,448</td> <td>-18</td> <td>0.0</td> <td>20,499</td> <td>20,462</td> <td>-37</td> <td>-0.2</td>	Maharashtra	46,466	46,448	-18	0.0	20,499	20,462	-37	-0.2
Dadar Nagar Haveit 1,981 1,981 0 0.0 784 784 0 0.0 Goa 1,257 1,257 0 0.0 531 531 0 0.0 Western Region 1,14,637 1,14,620 -17 0.0 8,314 47,825 -37 0-0.1 Andhra Pradesh 18,292 18,286 -6 0.0 7,405 7,404 -1 0.0 Karnataka 23,637 23,524 -113 -0.5 10,061 9,871 -191 1.19 Kerala 7,992 7,980 -12 -0.2 3,640 3,598 -43 -1.2 Tamil Nadu 32,691 32,681 -10 0.0 14,435 0 0.0 Southerry 796 794 -2 0.3 360 348 12 -3.2 Lakshadweep# 16 16 0 0.0 8 8 0 0.0 Southerr Region 1,01,326 <td< td=""><td>Daman & Diu</td><td>777</td><td>777</td><td>0</td><td>0.0</td><td>327</td><td>327</td><td>0</td><td>0.0</td></td<>	Daman & Diu	777	777	0	0.0	327	327	0	0.0
Goa 1,257 1,257 0 0.0 531 531 0 0.0 Western Region 1,14,637 1,14,620 -17 0.0 47,862 47,825 -37 -0.1 Andhra Pradesh 18,292 18,286 -6 0.0 7,404 -1 0.0 Telangana 17,917 17,912 -5 0.0 8,419 8,391 -28 -0.3 Karnataka 23,637 23,524 -113 -0.5 10,061 9,871 -191 -1.9 Karata 7,992 7,980 -12 -0.2 3,640 3,598 -43 -1.2 Tamil Nadu 32,691 32,681 -10 0.0 8 8 0 0.0 Southern Region 1,01,78 -148 -0.1 42,052 41,610 -42 -11 Bihar 8,195 8,032 -163 -2.0 3,883 3,759 -125 -3.2 DVC 6,207 6,175 <td>Dadar Nagar Haveli</td> <td>1,981</td> <td>1,981</td> <td>0</td> <td>0.0</td> <td>784</td> <td>784</td> <td>0</td> <td>0.0</td>	Dadar Nagar Haveli	1,981	1,981	0	0.0	784	784	0	0.0
Western Region1,14,6371,14,620-170.047,86247,825-37-0.1Andhra Pradesh18,29218,286-60.07,4057,40410.0Telangana17,91717,912-50.08,4198,331-28-0.3Karnataka23,63723,524-113-0.510,0619,671-191-1.9Kerala7,9927,980-12-0.23,6403,598-43-1.2Tamil Nadu32,69132,681-100.014,43514,43500.0Puducherry796794-2-0.3360348-12-3.2Lakshadweep#16116600.08800.0Southern Region1,01,3261,01,178-148-0.142,05241,610-442-1.1Bihar8,1958,032-163-2.03,8833,759-125-3.2DVC6,2076,175-32-0.52,5072,50700.0Jarkhand2,6732,644-29-1.11,1941,19400.0Odisha8,3358,33500.03,92000.0Andaman-Nicobar#8060-20-25.04032-8-20.0Eastern Region39,93739,699-238-0.618,79018,571-218-1.2Arunachal Pradesh2,552,510-4<	Goa	1,257	1,257	0	0.0	531	531	0	0.0
Andhra Pradesh 18,292 18,286 -6 0.0 7,405 7,404 .1 0.0 Telangana 17,917 17,912 .5 0.0 8,419 8,391 .28 0.03 Karnataka 23,637 23,524 .113 0.05 10,061 9,871 .191 .1.9 Kerala 7,992 7,980 .12 -0.2 3,640 3,598 .43 .1.2 Tamil Nadu 32,691 32,681 .10 0.0 14,435 14,435 .0 .0.0 Puducherry 796 794 .2 0.3 360 348 .12 .3.2 Southern Region 1,01,326 1,01,178 .148 -0.1 42,051 .41,61 .0.0 Southern Region 1,01,326 1,01,178 .32 .0.5 2,507 2,507 .0 .0.0 Jharkhand 2,673 2,644 .29 .1.1 1,194 .0 .0.0 Jharkhand	Western Region	1,14,637	1,14,620	-17	0.0	47,862	47,825	-37	-0.1
Telangana17,91717,91250.08,4198,39128.0.3Karnataka23,63723,524.113.0.510,0619,871.19.1.9Kerala7,9927,980.12.0.23,6603,598.41.1.9Tamil Nadu32,69132,681.0.100.014,43514,435.00.0Puducherry796794.2.0.3360348.12.3.2Lakshadweep#1.61.600.0.8.800.0Southern Region1,01,3261,01,178.148.0.142,05241,610.442Bihar8,1958,032.163.2.03,8833,759.125.3.2DVC6,2076,175.32.0.52,5072,507.00.0Jarkhand2,6732,644.229.1.11,1941,19400.0Odish8,3358,33500.03,9203,9200.00.0Andaman-Nicobar#80600.20.25.04032.48.20.0Eastern Region39,93739,699.238.0.618,79018,571.218.1.5Assam2,8822,834.58.2.01,6731,615.58.3.5.3.5Manjpur255.251.44.1.6131129.2.1.5Assam2,882.283.658.2.0<	Andhra Pradesh	18,292	18,286	-6	0.0	7,405	7,404	-1	0.0
Karnataka Kerala23,63723,524.113.0.510,0619,871.191.1.9Kerala7,9927,980.12.0.23,6403,598.4.3.1.2Tamil Nadu32,69132,681.100.014,43514,435.00.00Puducherry796794.22.0.3.3600.348.12.3.2Lakshadweep#1161600.0.8.8.00.0.0Southern Region1,01,3261,01,178.148.0.1.42,052.41,610.442.1.1Bihar8,1958,032.163.2.0.3,883.3,759.125.3.2DVC6,2072,6175.322.0.5.2,507.2,507.00.0Jharkhand2,6732,644.29.1.1.1,194.00.0Odisha8,335.8,335.00.0.3,920.0.0.0Nest Bengal114,355.14,339.16.0.1.7,931.7,886.4.5.0.6Sikkim17117100.0.92.0.0.0.0.0Andaman-Nicobar#80.60.25.0.40.32.4.2.2.0.6.2.2.1.1.2.2.1.1.2.2.2.1.1.2.2.1.1.2.2.2.1.1.2.2.2.1.1.2 <t< td=""><td>Telangana</td><td>17,917</td><td>17,912</td><td>-5</td><td>0.0</td><td>8,419</td><td>8,391</td><td>-28</td><td>-0.3</td></t<>	Telangana	17,917	17,912	-5	0.0	8,419	8,391	-28	-0.3
Kerala 7,992 7,980 -12 -0.2 3,640 3,598 -43 -1.2 Tamil Nadu 32,691 32,681 -10 0.0 14,435 14,435 0 0.0 Puducherry 796 794 -2 -0.3 360 348 -12 -3.2 Lakshadweep# 616 60 0.0 8 8 0 0.0 Southern Region 1,01,326 1,01,178 -148 -0.1 42,052 41,610 -442 -1.1 Bihar 8,195 8,032 -163 -2.0 3,883 3,759 -125 -3.2 DVC 6,207 6,175 -32 -0.5 2,507 2,507 0 0.0 Jharkhand 2,673 2,644 -29 -1.1 1,194 1,194 0 0.0 Odisha 8,335 8,335 0.0 0.0 3,920 0 0.0 West Bengal 14,355 14,339 -16	Karnataka	23,637	23,524	-113	-0.5	10,061	9,871	-191	-1.9
Tamil Nadu Puducherry32,69132,681-100.014,43514,43500.0Puducherry796794-2-0.3360348-12-3.2Lakshadweep#161600.08800.0Southern Region1,01,3261,01,178-148-0.142,05241,610-442-1.1Bihar8,1958,032-163-2.03,8833,759-125-3.2DVC6,2076,175-32-0.52,5072,50700.0Jharkhand2,6732,644-29-1.11,1941,19400.0Odisha8,3358,33500.03,9203,92000.0Mest Bengal14,35514,339-16-0.17,9317,886-4.6Sikkim17117100.0929200.0Andaman- Nicobar#8060-20-25.04032-8-20.0Eastern Region39,93739,699-238-0.618,79018,571-218-1.2Arunachal Pradesh255251-4-1.6131129-2-1.5Assam2,8922,834-58-2.01,6731,615-58-3.5Manipur275270-5-1.816316300.0Mizoram185181-4-2.298980 <td>Kerala</td> <td>7,992</td> <td>7,980</td> <td>-12</td> <td>-0.2</td> <td>3,640</td> <td>3,598</td> <td>-43</td> <td>-1.2</td>	Kerala	7,992	7,980	-12	-0.2	3,640	3,598	-43	-1.2
Puducherry 796 794 -2 -0.3 360 348 -12 -3.2 Lakshadweep# 16 16 0 0.0 8 8 0 0.0 Southern Region 1,01,326 1,01,178 -148 -0.1 42,052 41,610 -442 -1.1 Bihar 8,195 8,032 -163 -2.0 3,883 3,759 -125 -3.2 DVC 6,207 6,175 -32 -0.5 2,507 2,507 0 0.0 Jharkhand 2,673 2,644 -29 -1.1 1,194 1,194 0 0.0 0.0 Odisha 8,335 8,335 0 0.0 3,920 0 0.0 0.0 West Bengal 14,355 14,339 -16 -0.1 7,931 7,886 -45 -0.6 Sikkim 171 171 0 0.0 32 -8 -20.0 Andaman- Nicobar# 80 <	Tamil Nadu	32,691	32,681	-10	0.0	14,435	14,435	0	0.0
Lakshadweep# 16 16 0 0.0 8 8 0 0.0 Southern Region 1,01,326 1,01,178 -148 -0.1 42,052 41,610 -442 -1.1 Bihar 8,195 8,032 -163 -2.0 3,883 3,759 -125 -3.2 DVC 6,207 6,175 -32 -0.5 2,507 2,507 0 0 0.0 Jharkhand 2,673 2,644 -29 -1.1 1,194 1,194 0 0.0 0.0 West Bengal 14,355 14,339 -16 -0.1 7,931 7,886 -45 -0.6 Sikkim 111 171 0 0.0 32 -8 -20.0 Andaman- Nicobar# 80 60 -20 -25.0 40 32 -8 -20.0 Arunachal Pradesh 255 251 -4 1.6 131 129 -2 1.5 Assam <t< td=""><td>Puducherry</td><td>796</td><td>794</td><td>-2</td><td>-0.3</td><td>360</td><td>348</td><td>-12</td><td>-3.2</td></t<>	Puducherry	796	794	-2	-0.3	360	348	-12	-3.2
Southern Region1,01,3261,01,1781480.142,05241,6104421.1Bihar8,1958,032.163.2.03,8833,759.125.3.2DVC6,2076,175.32.0.52,5072,50700.0Jharkhand2,6732,644.29.1.11,1941,19400.0Odisha8,3358,33500.03,9203,92000.0West Bengal14,35514,339.160.17,9317,886.455-0.6Sikkim1711710.00.09.2200.00.0Andaman- Nicobar#80060.20.25.0400322.48.20.0Eastern Region39,93739,699.238.0.618,79018,571.218.1.2Arunachal Pradesh255251.4.1.6131129.2.1.5Assam2,8922,834.58.2.01,6731,615.58.3.5Manipur2752700.5.1.81631630.0.2Meghalaya58658600.033133100.0Ngaland2682644.4.1.513013000.0North-Eastern Region4,9804,897.83.1.72,4662,439.27.1.13All India3,68,0213,65,642.2,379 <t< td=""><td>Lakshadweep#</td><td>16</td><td>16</td><td>0</td><td>0.0</td><td>8</td><td>8</td><td>0</td><td>0.0</td></t<>	Lakshadweep#	16	16	0	0.0	8	8	0	0.0
Bihar 8,195 8,032 163 -2.0 3,883 3,759 125 3.2 DVC 6,207 6,175 32 -0.5 2,507 2,507 0 0.0 Jharkhand 2,673 2,644 -29 -1.1 1,194 1,194 0 0.0 Odisha 8,335 8,335 0 0.0 3,920 0.0 0.0 West Bengal 14,355 14,339 -16 -0.1 7,931 7,886 -45 -0.6 Sikkim 171 171 0 0.0 92 92 0 0.0 Andaman-Nicobar# 800 600 -200 -450 18,790 18,571 -218 -1.2 Arunachal Pradesh 2252 244 -1.6 131 129 -2 -1.5 Assam 2,892 2,834 -58 -2.0 1,673 1,615 -58 -3.5 Manipur 2,752 2700 -5	Southern Region	1,01,326	1,01,178	-148	-0.1	42,052	41,610	-442	-1.1
DVC 6,207 6,175 32 -0.5 2,507 2,507 0 0.0 Jharkhand 2,673 2,644 -29 -1.1 1,194 1,194 0 0.0 Odisha 8,335 8,335 0 0.0 3,920 3,920 0 0.0 West Bengal 114,355 114,339 -16 -0.1 7,931 7,886 -45 -0.6 Sikkim 1171 171 0 0.0 92 92 0 0.0 Andaman-Nicobar# 80 60 -20 -25.0 40 32 -8 -20.0 Eastern Region 39,937 39,699 -238 -0.6 18,790 18,571 -218 -1.2 Arunachal Pradesh 255 251 -4 -1.6 131 129 -2 -1.5 Assam 2,892 2,834 -58 -2.0 1,673 1,615 586 -3.5 Manipur 275	Bihar	8,195	8,032	-163	-2.0	3,883	3,759	-125	-3.2
Jharkhand2,6732,644-29-1.11,1941,19400.0Odisha8,3358,33500.03,9203,92000.0West Bengal114,35514,339-16-0.17,9317,886-45-0.6Sikkim17117100.0929200.0Andaman-Nicobar#8060-20-25.040322-8-20.0Eastern Region39,93739,699-238-0.618,79018,571-218-1.2Arunachal Pradesh255251-4-1.6131129-2-1.5Assam2,8922,834-58-2.01,6731,615-58-3.5Manipur275270-5-1.81631630-0.2Mizoram185181-4-2.2989800.0North-Eastern6515-4-0.828428400.0North-Eastern4,9804,897-83-1.72,4662,439-27-1.1All India3,68,0213,65,642-2,379-0.61,55,1131,53,980-1,133-0.7	DVC	6,207	6,175	-32	-0.5	2,507	2,507	0	0.0
Odisha8,3358,33500.03,9203,92000.0West Bengal14,35514,339-16-0.17,9317,886-45-0.6Sikkim17117100.0929200.0Andaman- Nicobar#8060-20-25.040322-8-20.0Eastern Region39,93739,699-238-0.618,79018,571-218-1.2Arunachal Pradesh255251-4-1.6131129-2-1.5Assam2,8922,834-58-2.01,6731,615-58-3.5Manipur275270-5-1.81631630-0.2Meghalaya58658600.033133100.0Nagaland268264-4-1.513013000.0North-Eastern Region4,9804,897-83-1.72,4662,439-27-1.1All India3,68,0213,65,642-2,379-0.61,55,1131,53,980-1,133-0.7	Jharkhand	2,673	2,644	-29	-1.1	1,194	1,194	0	0.0
West Bengal14,35514,339160.17,9317,886450.6Sikkim17117100.0929200.0Andaman- Nicobar#80602025.0403.22820.0Eastern Region39,93739,6992380.618,79018,5712181.2Arunachal Pradesh25525141.61.311.2921.5Assam2,8922,834582.01,6731,615583.5Manipur27527051.816316300.2Meghalaya58658600.033133100.0Nagaland268264-4-1.513013000.0North-Eastern4,9804,89783-1.72,4662,439271.1All India3,68,0213,65,6422,379-0.61,55,1131,53,980-1,133-0.7	Odisha	8,335	8,335	0	0.0	3,920	3,920	0	0.0
Sikkim 171 171 0 0.0 92 92 0 0.0 Andaman- Nicobar# 80 60 -20 -25.0 400 32 -8 -20.0 Eastern Region 39,937 39,699 -238 -0.6 18,790 18,571 -218 -1.2 Arunachal Pradesh 255 251 -4 -1.6 131 129 -2 -1.5 Assam 2,892 2,834 -58 -2.0 1,673 1,615 -58 -3.5 Manipur 275 270 -5 -1.8 163 163 0 -0.2 Meghalaya 586 586 0 0.0 331 331 0 0.0 Nagaland 268 264 -4 -1.5 130 130 0 0.0 North-Eastern 4,980 4,897 -83 -1.7 2,466 2,439 -27 -1.1 All India 3,68,021 3,65,6	West Bengal	14,355	14,339	-16	-0.1	7,931	7,886	-45	-0.6
Andaman- Nicobar#60-20-25.04032-8-20.0Eastern Region39,93739,699-238-0.618,79018,571-218-1.2Arunachal Pradesh255251-4-1.6131129-2-1.5Assam2,8922,834-58-2.01,6731,615-58-3.5Manipur275270-5-1.81631631630-0.2Meghalaya58658600.033133100.0Nizoram185181-4-2.2989800.0Nagaland268264-4-1.513013000.0North-Eastern Region4,9804,897-83-1.72,4662,439-27-1.1All India3,68,0213,65,642-2,379-0.61,55,1131,53,980-1,133-0.7	Sikkim	171	171	0	0.0	92	92	0	0.0
Eastern Region39,93739,699-238-0.618,79018,571-218-1.2Arunachal Pradesh255251-4-1.6131129-2-1.5Assam2,8922,834-58-2.01,6731,615-58-3.5Manipur275270-5-1.81631630-0.2Meghalaya58658600.033133100.0Mizoram185181-4-2.2989800.0Nagaland268264-4-1.513013000.0North-Eastern Region4,9804,897-83-1.72,4662,439-27-1.1All India3,68,0213,65,642-2,379-0.61,55,1131,53,980-1,133-0.7	Andaman- Nicobar#	80	60	-20	-25.0	40	32	-8	-20.0
Arunachal Pradesh255251-4-1.6131129-2-1.5Assam2,8922,834-58-2.01,6731,615-58-3.5Manipur275270-5-1.81631630-0.2Meghalaya58658600.033133100.0Mizoram185181-4-2.2989800.0Nagaland268264-4-1.513013000.0Tripura519515-4-0.828428400.0North-Eastern Region4,9804,897-83-1.72,4662,439-27-1.1All India3,68,0213,65,642-2,379-0.61,55,1131,53,980-1,133-0.7	Eastern Region	39,937	39,699	-238	-0.6	18,790	18,571	-218	-1.2
Assam2,8922,834-58-2.01,6731,615-58-3.5Manipur275270-5-1.81631630-0.2Meghalaya58658600.033133100.0Mizoram185181-4-2.2989800.0Nagaland268264-4-1.513013000.0Tripura519515-4-0.828428400.0North-Eastern Region4,9804,897-83-1.72,4662,439-27-1.1All India3,68,0213,65,642-2,379-0.61,55,1131,53,980-1,133-0.7	Arunachal Pradesh	255	251	-4	-1.6	131	129	-2	-1.5
Manipur 275 270 -5 -1.8 163 163 0 -0.2 Meghalaya 586 586 0 0.0 331 331 0 0.0 Mizoram 185 181 -4 -2.2 98 98 0 0.0 Nagaland 268 264 -4 -1.5 130 130 0 0.0 Nagaland 268 264 -4 -1.5 130 130 0 0.0 North-Eastern 4,980 4,897 -83 -1.7 2,466 2,439 -27 -1.1 All India 3,68,021 3,65,642 -2,379 -0.6 1,55,113 1,53,980 -1,133 -0.7	Assam	2,892	2,834	-58	-2.0	1,673	1,615	-58	-3.5
Meghalaya 586 586 0 0.0 331 331 0 0.0 Mizoram 185 181 -4 -2.2 98 98 0 0.0 Nagaland 268 264 -4 -1.5 130 130 0 0.0 Tripura 519 515 -4 -0.8 284 284 0 0.0 North-Eastern Region 4,980 4,897 -83 -1.7 2,466 2,439 -27 -1.1 All India 3,68,021 3,65,642 -2,379 -0.6 1,55,113 1,53,980 -1,133 -0.7	Manipur	275	270	-5	-1.8	163	163	0	-0.2
Mizoram 185 181 -4 -2.2 98 98 0 0.0 Nagaland 268 264 -4 -1.5 130 130 0 0.0 Tripura 519 515 -4 -0.8 284 284 0 0.0 North-Eastern 4,980 4,897 -83 -1.7 2,466 2,439 -27 -1.1 All India 3,68,021 3,65,642 -2,379 -0.6 1,55,113 1,53,980 -1,133 -0.7	Meghalaya	586	586	0	0.0	331	331	0	0.0
Nagaland 268 264 -4 -1.5 130 130 0 0.0 Tripura 519 515 -4 -0.8 284 284 0 0.0 North-Eastern Region 4,980 4,897 -83 -1.7 2,466 2,439 -27 -1.1 All India 3,68,021 3,65,642 -2,379 -0.6 1,55,113 1,53,980 -1,133 -0.7	Mizoram	185	181	-4	-2.2	98	98	0	0.0
Tripura 519 515 -4 -0.8 284 284 0 0.0 North-Eastern Region 4,980 4,897 -83 -1.7 2,466 2,439 -27 -1.1 All India 3,68,021 3,65,642 -2,379 -0.6 1,55,113 1,53,980 -1,133 -0.7	Nagaland	268	264	-4	-1.5	130	130	0	0.0
North-Eastern Region 4,980 4,897 -83 -1.7 2,466 2,439 -27 -1.1 All India 3,68,021 3,65,642 -2,379 -0.6 1,55,113 1,53,980 -1,133 -0.7	Tripura	519	515	-4	-0.8	284	284	0	0.0
All India 3,68,021 3,65,642 -2,379 -0.6 1,55,113 1,53,980 -1,133 -0.7	North-Eastern Region	4,980	4,897	-83	-1.7	2,466	2,439	-27	-1.1
	All India	3,68,021	3,65,642	-2,379	-0.6	1,55,113	1,53,980	-1,133	-0.7

Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and availability

*Provisional figures

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1397 TO BE ANSWERED IN THE LOK SABHA ON 09.03.2017.

Own Gross Generation of Power by States/UTs

			(in MUs)		
State /System /Region	2016-17	2015-16	2014-15		
otate /oystem /itegion	(up to January 2017)	2013-10	2014-13		
Northern Region					
Chandigarh	0	0	0		
Delhi	3,842	3,965	5,442		
Haryana	8,481	10,396	13,617		
Himachal Pradesh	1,169	1,162	1,650		
Jammu & Kashmir	4,339	3,980	3,844		
Punjab	9,234	12,343	15,711		
Rajasthan	22,982	27,400	28,211		
Uttar Pradesh	26,226	28,154	26,346		
Uttarakhand	3,786	4,763	4,199		
Western Region					
Chhattisgarh	15,068	15,604	15,851		
Gujarat	18,095	23,102	25,779		
Madhya Pradesh	14,115	20,538	19,703		
Maharashtra	40,555	1,17,244	1,07,309		
Daman & Diu	0	0	0		
Dadra Nagar Haveli	0	0	0		
Goa	0	0	0		
Southern Region					
Andhra Pradesh	24,224	25,050	22,897		
Telangana	18,464	16,618	20,461		
Karnataka	20,097	25,038	29,947		
Kerala	3,476	6,511	7,060		
Tamil Nadu	24,287	34,544	34,420		
Puducherry	205	228	102		
Lakshadweep	0	0	0		
Eastern Region					
Bihar	96	0	0		
DVC	0	0	0		
Jharkhand	1,209	2,688	2,414		
Odisha	6,903	8,028	9,718		
West Bengal	22,600	23,431	27,017		
Sikkim	10	0	0		
Andaman & Nicobar Islands	177	183	154		
North-Eastern Region					
Arunachal Pradesh	0	0	0		
Assam	1,409	1,864	1,929		
Manipur	0	0	0		
Meghalaya	685	861	775		
Mizoram	0	0	0		
Nagaland	0	0	0		
Tripura	534	739	726		

(Based on OPM report for monitored project having capacity of more than 25 MW)

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1397 TO BE ANSWERED IN THE LOK SABHA ON 09.03.2017.

		(All fi	gs. In Million Units)		
State /System / Persian	2014 45	201E 46	2016-17 (up to		
State /System / Region	2014-15	2015-10	January 2017)		
Northern Region					
Chandigarh	844	992	898		
Delhi	19,080	19,521	16,623		
Haryana	12,094	13,225	11,858		
Himachal Pradesh	5,771	6,800	6,296		
Jammu & Kashmir	9,976	10,636	9,092		
Punjab	17,675	18,790	16,079		
Rajasthan	16,423	17,801	14,834		
Uttar Pradesh	35,786	39,718	31,501		
Uttarakhand	4,751	5,536	4,603		
Western Region					
Chhattisgarh	7,777	7,474	6,182		
Gujarat	31,956	32,371	22,301		
Madhya Pradesh	28,809	35,879	23,651		
Maharashtra	34,461	33,619	27,164		
Daman & Diu	1,832	1,869	1,361		
Dadra Nagar Haveli	4,101	3,812	2,871		
Goa	3,403	3,423	2,951		
Southern Region					
Andhra Pradesh	16,115	12,477	9,885		
Telangana	12,554	14,891	10,907		
Karnataka	14,148	15,667	16,054		
Kerala	11,540	11,595	8,739		
Tamil Nadu	26,960	29,717	27,251		
Puducherry	2,338	2,423	2,173		
Eastern Region					
Bihar	12,735	15,950	15,348		
DVC	1,229	1,107	1,069		
Jharkhand	2,718	3,096	3,208		
Odisha	7,784	7,448	7,203		
West Bengal	6,822	6,810	6,143		
Sikkim	780	773	707		
North-Eastern Region					
Arunachal Pradesh	464	602	637		
Assam	4,111	4,232	5,064		
Manipur	518	748	858		
Meghalaya	865	937	631		
Mizoram	323	410	466		
Nagaland	432	532	566		
Tripura	987	1,361	1,358		

Net Quantum of Power from Central Generating Stations

ANNEX REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 1397 TO BE ANSWERED IN THE LOK SABHA ON 09.03.2017.

List of Hydro Electric Schemes Concurred by the CEA during the last two years (2014-15 & 2015-16)

S. No.	Name of Scheme	State	Sector	Installed Capacity (MW)
	2014-15			
1.	New Ganderwal	Jammu & Kashmir	State	93
2.	Chhatru	Himachal Pradesh	Private	126
3.	Kalai-II	Arunachal Pradesh	Private	1200
4.	Kynshi – I	Meghalaya	Private	270
	Sub Total	4		1689
	2015-16			
5.	Нео	Arunachal Pradesh	Private	240
6.	Tato-I	Arunachal Pradesh	Private	186
	Sub-Total	2		426
	Grand Total	6		2115
