

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
STARRED QUESTION NO.105
ANSWERED ON 03.03.2016**

IMPORT OF POWER

**†*105. SHRI KAPIL MORESHWAR PATIL:
SHRI GANESH SINGH:**

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

- (a) whether the Government is importing electricity from neighbouring countries and if so, the details thereof;**
- (b) the names of power companies of neighbouring countries which are supplying electricity to the country;**
- (c) the terms and conditions of the agreement entered into with these companies;**
- (d) whether the Government also proposes to explore the possibilities to import/export power from some of the neighbouring countries; and**
- (e) the steps being taken to ensure supply of cheap power to the consumers?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (e) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 105 ANSWERED IN THE LOK SABHA ON 03.03.2016 REGARDING IMPORT OF POWER.

(a) : Presently, India imports around 1542 MW power from hydro stations located in Bhutan i.e. from Tala (1020 MW), Chukha (336 MW); Kurichhu (60 MW) and Dagachu (126 MW).

(b) : Two companies, namely, the Druk Green Power Corporation (DGPC), a Royal Government of Bhutan Undertaking owning Tala HPS, Chukha HPS, Kurichhu HPS and Dagachu Hydro Power Corporation (DHPC), a Joint Venture of DGPC and Tata Power Company Limited (India) are supplying power to India.

(c) : Salient features of Indo-Bhutan agreement entered into with DGPC and DHPC as furnished by respective nodal agencies i.e. Power Trading Corporation of India Limited and TPTCL (Tata Power Trading Company Limited) are given at Annex – I & II respectively.

(d) : Yes, Madam.

(e) : Majority of Power imported from Bhutan is under bilateral agreement between Government of Bhutan and Government of India. The tariff is negotiated by the Government to ensure supply of cheap imported power to the consumers.

ANNEX REFERRED TO IN PART (c) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 105 ANSWERED IN THE LOK SABHA ON 03.03.2016 REGARDING IMPORT OF POWER.

A. Salient Features of Indo – Bhutan Agreement

The Power supply Agreements (PPA) between PTC India Limited and Government of Bhutan are governed by the umbrella Agreement signed between the two Countries.

<u>Features</u>	<u>Details</u>
Billing	Monthly
Date of raising bills	By 10th Day of succeeding Month
Payment	Within 30-45 days (Due Date)
Surcharge	1% per month beyond due date
Currency	In Indian Rupee
Dispute	To be settled mutually within 90 days else shall be referred to both the Governments
Taxes, Duties, cess, etc.	No taxes applicable

1. **Parties to the agreement :- PTC and Royal Government of Bhutan (RGoB); for the projects Tala HEP, Kurichhu HEP and Chhukha HEP.**

2. **Date of signing of agreement and its validity period :-**

Chhukha HEP (336 MW):- Date of signing of PPA- 31st August 2002; Validity - 15 Years

Kurichhu HEP (60 MW):- Date of signing of PPA- 31st August 2002; Validity - 25 Years

Tala HEP (1020 MW):- Date of signing of PPA- 27th September 2006; Validity - 35 Years

3. **Rates :- Present Power Purchase Tariff are as given below:**

- **Chhukha Hydro Project: Rs. 2.25 /kWh**
- **Kurichhu Hydro Project: Rs. 1.98 /kWh**
- **Tala Hydro Project: Rs.1.98 /kWh**

ANNEX REFERRED TO IN PART (c) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 105 ANSWERED IN THE LOK SABHA ON 03.03.2016 REGARDING IMPORT OF POWER.

B. Salient features of Tata Power Trading Company Limited (TPTCL) agreement with Dagachhu Hydro Power Corporation (DHPC), Bhutan.

(i) Names of power companies of neighbouring countries which are supplying electricity to the country:

(a) Tata Power Trading Company Limited (TPTCL) is procuring power from 126 MW hydroelectric project of Dagachhu Hydro Power Corporation (DHPC), Bhutan.

(b) Tata Power Company Limited holds 26% equity share in the project and the rest is held by Royal Govt. of Bhutan (RoGB)

(ii) The terms and conditions of the agreement entered into with these companies:

(a) The power is procured by TPTCL from DHPC at pre-determined mutually agreed tariff.

(b) The agreement was signed on 25th June 2008 and is valid for a period of 25 years from the Commercial Operation Date (i.e. 25 years from 15th March 2015)

(c) The entire power received from DHPC is being sold exclusively to Indian beneficiaries

(d) Scheduling, dispatch, energy accounting etc. is being done in line with prevailing regulations/Grid Code/CERC order

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
STARRED QUESTION NO.109
ANSWERED ON 03.03.2016**

EFFECTIVE IMPLEMENTATION OF ELECTRICITY ACT, 2003

**†*109. SHRI LAXMI NARAYAN YADAV:
SHRI PRATAPRAO JADHAV:**

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

- (a) whether the Government is satisfied with the implementation of Electricity Act, 2003, as amended from time to time, if so, the details thereof;**
- (b) the extent to which healthy competition has been brought in the power sector as a result thereof;**
- (c) whether the instances of violation of norms stipulated in the Electricity Act, 2003 to create a competitive environment has been reported, if so, the details thereof;**
- (d) whether the Government has inquired about the enforcement of the said provision in various States including Delhi, if so, the details thereof; and**
- (e) the corrective steps taken by the Government in this regard?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (e) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 109 ANSWERED IN THE LOK SABHA ON 03.03.2016 REGARDING EFFECTIVE IMPLEMENTATION OF ELECTRICITY ACT, 2003.

(a) & (b) : Yes, Madam, Government of India has enacted the Electricity Act, 2003 to consolidate the laws relating to generation, transmission, distribution, trading and use of electricity and generally for taking measures conducive to development of electricity industry and for protecting interest of consumers.

With de-licensing of generation (except through hydro projects) through the Electricity Act, 2003, the power sector has witnessed multiplicity of players in the segment. The Transmission capacity has also increased with participation of Private Sector.

Further, as per the Electricity Act 2003, Regulatory Commissions have been empowered to frame necessary Regulations to implement the provisions of the Electricity Act, 2003. Central Electricity Regulatory Commission (CERC) and State Electricity Regulatory Commission (SERCs)/Joint Electricity Regulatory Commission (JERC) have framed the necessary Regulations required in the Act. Power Market has been developed by the Central Commission as per the mandate under the Act. During the year 2014-15, through Indian Energy Exchange (IEX) and Power Exchange India Limited (PXIL), Open Access consumers under Day-Ahead market, have transacted a volume of 12084.18 MU and 102.95 MU respectively. The trading licensees and the power exchanges authorized by the Commission have brought in the desired competition in power sector.

(c) : Open Access is one of the cornerstones of the Electricity Act, 2003 to facilitate supply of electricity from the surplus region to deficit region and to tap the source of electricity such as captive generation and renewable generation. State commission have been empowered to permit open access on the existing Distribution Licensees network on payment of surcharges and wheeling charges. However, some instances of denial of open access have been brought before the Commissions. Some State Governments have issued orders under section 11 of the Electricity Act, 2003 restricting flow of electricity beyond their boundaries. The Commissions have taken action in line with the provisions of the Act. In some cases the issue is sub-judice.

(d) & (e) : The Electricity being a concurrent subject, the provisions of the Act provides for the functions and responsibilities of the Central and State Governments as well as different statutory bodies and entities defined under the Act. The Central Government has been pursuing with the State Governments at various fora for implementation of various provisions of the Electricity Act, 2003 from time to time. As per information provided by DERC, there is no instance of violation of norms observed as stipulated in the Electricity Act, 2003 to create a competitive environment in Delhi.

Though, there have been impressive achievement in the areas of augmentation of generation capacity, establishment of National Grid, a multi-layered regulatory framework, private sector participation, development of electricity markets and exchanges and restructuring of State Electricity Boards, still there is a need to review the provisions keeping in view the overall objectives of the said Act to bring in further competition and efficiency. Accordingly, Electricity (Amendment) Bill, 2014 was introduced before the Lok Sabha on 19.12.2014. The Bill was then referred to Parliamentary Standing Committee on Energy. The Committee, after detailed examination, has submitted its report on 07.05.2015. Based on the recommendation of Standing Committee, the revised Electricity (Amendment) Bill, 2014 is being finalized.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
STARRED QUESTION NO.112
ANSWERED ON 03.03.2016**

LED

***112. SHRI DHANANJAY MAHADIK:
SHRI SATAV RAJEEV:**

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

- (a) whether the Energy Efficiency Services Ltd. has tied up with major online marketing companies for sale of LED energy efficient bulbs, if so, the details thereof;**
- (b) whether this move is likely to help in expanding its marketing and distribution to cities and towns and to push use of LED bulbs, if so, the details thereof;**
- (c) the estimated energy saving and reduction of green house emissions in a year as an outcome thereof; and**
- (d) the other steps taken/being taken by the Government to replace the sale of incandescent bulbs in the country with LED bulbs?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (d) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO. 112 ANSWERED IN THE LOK SABHA ON 03.03.2016 REGARDING LED.

(a) & (b) : Energy Efficiency Services Limited (EESL), a joint venture company under Ministry of Power, had approached all major online retailers for tie up and sale of LED bulbs through their online platforms. So far, M/s Snapdeal has accepted the offer and has agreed to distribute the LED energy efficient bulbs through its online platform. M/s Snapdeal's platform has a registered user base of approximately 75 million and distribution reach to more than 5000 towns and cities across the country. Through the partnership with M/s Snapdeal, EESL aims to leverage the outreach of LED bulbs to all the consumers of the country.

(c) : So far, 6.99 crore LED bulbs have been distributed under Domestic Efficient Lighting Programme (DELP) by EESL, which has resulted in the estimated energy savings of 9018 million kWh every year and Green House Gas (GHG) emission reduction of 7.38 million tons per year.

(d) : EESL has evolved a service model where it works with Electricity Distribution Companies (DISCOMs) through a benefit sharing approach. DELP obviates the need for DISCOMs to invest in the upfront cost of LED bulbs. Due to transparent and bulk procurement by EESL, there has been reduction of almost 80% in price of LED bulbs in last two years i.e. from Rs.310 in February, 2014 for 7W LED bulb to Rs. 64 in January, 2016 for a 9W LED bulb.

Further, following steps have been taken to promote use of LED bulbs:

- i. All the Ministries/Departments of Government of India, including their attached/subordinate offices and all the States/UTs have been requested to replace Compact Fluorescent Lamp (CFL)/Incandescent bulbs (ICL) with LED bulbs.**
- ii. Directorate General of Supplies and Disposals (DGS&D) has been requested to include LED bulbs on their stock/rate contract so as to ensure its availability for government procurement.**
- iii. Kendriya Bhandars, National Co-operative Consumers Federation (NCCF), Canteen Stores Department (CSD) etc. have been requested for sale of LED bulbs through their outlets.**
- iv. Agencies like Central Public Works Department (CPWD), National Building Construction Corporation (NBCC) and Delhi Development Authority (DDA) etc. have been requested to supply LED bulbs.**
- v. EESL has signed an MOU with Ministry of Railways to provide LED bulbs to their employees across the country.**

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
STARRED QUESTION NO.119
ANSWERED ON 03.03.2016**

SMART GRID NETWORK

***119. DR. SANJAY JAISWAL:**

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

- (a) whether the Government proposes to increase the number of smart grid projects in the country, if so, the details thereof;**
- (b) the details of the expenditure incurred by the Government for the development of smart grid network in the country; and**
- (c) whether the Government is looking to scale up initiatives for expediting the development of smart grid network in the country and if so, the details thereof?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (c) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (c) OF STARRED QUESTION NO. 119 ANSWERED IN THE LOK SABHA ON 03.03.2016 REGARDING SMART GRID NETWORK.

(a) : Yes, Madam. Government has approved establishment of National Smart Grid Mission (NSGM), to plan and monitor implementation of policies and programmes related to Smart Grid activities in India. So far, ten Smart Grid pilot projects and one Smart City Pilot are under implementation through Integrated Power Development Scheme (IPDS).

(b) : The share of Government of India, amounting to Rs.11.19 Crore, has been disbursed for following three Smart Grid pilot projects under IPDS:

- 1. Rs.4.07 Crore to Chamundeshwari Electricity Supply Corporation Limited (CESC), Mysore.**
- 2. Rs.2.43 Crore to Himachal Pradesh State Electricity Board Ltd. (HPSEB).**
- 3. Rs.4.69 Crore to Indian Institute of Technology (IIT), Kanpur**

(c) : NSGM envisages implementation of scaled up Smart Grid projects. The Budgetary support for NSGM activities for the Financial Year 2016-17 is Rs 30 Crore.

**GOVERNMENT OF INDIA
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**LOK SABHA
UNSTARRED QUESTION NO.1153
ANSWERED ON 03.03.2016**

POLLUTION FROM COAL PLANTS

1153. SHRI R. PARTHIPAN:

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

- (a) whether any study has been conducted to assess the number of deaths that have taken place due to pollution from coal plants in India;**
- (b) if so, the details thereof for each of the last three years along with the action taken thereon;**
- (c) whether the Government has any special packages for persons affected from these plants; and**
- (d) if so, the details thereof?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

- (a) : No, Madam.**
- (b) : Does not arise.**
- (c) : No, Madam.**
- (d) : Does not arise.**

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1234
ANSWERED ON 03.03.2016**

STATUS OF HYDEL POWER PROJECTS

†1234. DR. RAMESH POKHRIYAL "NISHANK":

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

- (a) the details of hydel power projects pending for clearance with the Ministry of Environment, Forests and Climate Change along with the capacity of each of the said projects;**
- (b) the steps being taken by his Ministry for quick clearance of the said projects;**
- (c) whether there is any institution in the country offering a course in hydel engineering; and**
- (d) if so, the details thereof?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : As per records available in the Ministry of Power (MOP), the details of power projects awaiting clearance from Ministry of Environment, Forest & Climate Change (MoEF&CC), are given in Annexure.

In order to expedite clearances, review meetings are held at various levels, including at the Minister level, with MoEF&CC. Project specific issues are regularly pursued with MoEF & CC, respective State Government(s) and concerned Developers for early clearances of the Projects in order to expedite clearances.

(c) & (d) : Hydro Power Training Centre of National Power Training Institute (NPTI) at Nangal, conducts following two full time courses in Hydro Power Plant Engineering to enhance the employability of Graduate Engineers and Diploma Holders:

- (i) Post Graduate Diploma Course (PGDC) in Hydro Power Plant Engineering. The duration of the course is 39 weeks.**
- (ii) Post Diploma Course (Hydro). The duration of the course is 26 weeks.**

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1234 ANSWERED IN THE LOK SABHA ON 03.03.2016.

Sl. No.	Project Name (Developer)	Installed capacity (MW)
1	Miyar HEP (M/s MHEPCL)	3x40 =120
2	Chango Yangthang (M/s MPCL)	3x60=180
3	Chattru HEP (DCM)	3x42=126
4	New Ganderwal (State/JKPDC)	3x31=93
5	Kotlibhel-IA (NHPC)	3x65=195
6	Kotlibhel-IB (NHPC)	4x80=320
7	Kotlibhel-II (NHPC)	8x66.25=530
8	Rupsiya Bagar Khasiyabara (NTPC)	3 x87=261
9	Devsari (NHPC)	3x84=252
10	Matnar (CSEB)	3x20=60
11	Gundia (KPCL)	1x200=200
12	Teesta St-IV (NHPC)	4x130=520
13	Tipaimukh (Joint venture NHPC, SJVNL and Govt. of Manipur)	6x250=1500
14	Kolodyne-II (NTPC)	4x115=460
15	Dibang (NHPC)	12x250=3000
16	Dibbin (KSKDHL)	2x60=120
17	Lower Siang (JAPL)	9x300=2700
18	Nyamjang Chhu (BEL)	6x130=780
19	Tawang I (NHPC)	3x200=600
20	Tawang II (NHPC)	4x200=800
21	Tato-II (THPPL)	4x175=700
22	Hirong (JAPL)	4x125=500
23	Naying (NDSCPL)	4x250=1000
24	Etalin (EHPCL)	6x307+4x307+19.6+7.4 =3097
25	Londa(Talong) (GMR Ltd.)	3x 75=225
26	Siyom Transferred from NHPC (4x250)	6x166.7=1000
27	Kalai-II (KPPL)	6x200=1200
28	Kynshi-I (AKPPL)	2x135=270
29	Heo HEP (HHPPL)	3x80=240
30	Tato-I (SHPPL)	3x60=186
31	Athirapilly (KSEB)	2x80+2x1.5= 163
32	Lower kopili (APGCL)	2x55+1x5+2x2.=120
33	Kiru (CVPP)	4x156= 624

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1242
ANSWERED ON 03.03.2016**

NHPC

**1242. DR. SUNIL BALIRAM GAIKWAD:
DR. J. JAYAVARDHAN:
SHRI BIDYUT BARAN MAHATO:
SHRI S.R. VIJAYAKUMAR:
SHRI SUDHEER GUPTA:
SHRI ASHOK SHANKARRAO CHAVAN:
KUNWAR HARIBANSH SINGH:
SHRI GAJANAN KIRTIKAR:**

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

- (a) whether the National Hydroelectric Power Corporation (NHPC) proposes to acquire hydropower plants of private firms;**
- (b) if so, the details thereof, project-wise along with the total capacity of these hydropower plants along with the funds required for this purpose;**
- (c) whether the NHPC has assessed the viability of these power projects;**
- (d) if so, the details thereof; and**
- (e) the time by which these power projects are likely to be acquired?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : No, Madam.

(b) to (e) : Does not arise.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1253
ANSWERED ON 03.03.2016**

FOREIGN INVESTMENT IN POWER SECTOR

**1253. SHRI JITENDRA CHAUDHURY:
SHRI ASADUDDIN OWAISI:**

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

- (a) whether any meeting on energy was held with Australian executives during their recent visit;**
- (b) if so, the details thereof and issues discussed therein;**
- (c) whether India and Australia have formed a sub-group in this regard; and**
- (d) if so, the details thereof and the extent to which India is likely to get cheaper gas from Australia for its power plants?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (d) : Australian executives have not made any recent visit for a meeting on energy issues with the Ministry of Power. However, as part of the discussions held in the context of India-Australia Energy Security Dialogue in Australia, a round table discussion on LNG purchase and trends was held in Brisbane on 8th February, 2016, during which various aspects relating to LNG, including energy scenario, gas market in India and gas sourcing, including from Australia were discussed. Representatives from Indian and Australian Governments and industry participated in the round table. During the discussions, there was a suggestion to constitute a sub-group on LNG production and trade comprising of representatives of governments and industry which is not finalized.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1256
ANSWERED ON 03.03.2016**

INTEGRATED RATING FRAMEWORK

1256. SHRIMATI KAVITHA KALVAKUNTLA:

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

- (a) the details of the methodology adopted with regard to Integrated Rating Framework for State Distribution Utilities;**
- (b) the results of the 3rd Integrated Rating exercise conducted for the year of 2014-15; and**
- (c) the concrete measures taken as a result of rating exercises?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

- (a) : The summary of various parameters adopted with regard to the rating methodology conducted during FY 2014-15 is given at Annex-I.**
- (b) : The results of the 3rd Integrated Rating exercise is given at Annex-II.**
- (c) : The ratings were adopted by Power Finance Corporation Ltd. (PFC) w.e.f 11th August 2015 to evaluate distribution utilities for financing, loan pricing and determining exposure limits.**

**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1256
ANSWERED IN THE LOK SABHA ON 03.03.2016.**

Summary of Rating Parameters

Sl. No.	Parameters	Weightage
1.	Financial Performance	
i	Coverage Ratio	15
ii	AT&C Losses	12,-5
iii	Subsidy Support	10,-10
iv	Interest Coverage Ratio	5
v	Debt Equity Ratio	5,-3
vi	Sustainability	9
vii	Receivables	4
viii	Payables	3,-3
2.	Audited Accounts	5,-12
3.	Cross Subsidy	0,-2
4.	Reform measures - Unbundling & Corporatisation	0,-5
5.	Regulatory Environment	15,-15
6.	Forward Looking parameters	5,-1
7	Incentive / Bonus marks	12
	TOTAL	100

**ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1256
ANSWERED IN THE LOK SABHA ON 03.03.2016.**

3rd Integrated Rating of State Distribution Utilities

UTILITY-WISE GRADES

S.No.	Name of Utility	3 rd IR Grade
1	Dakshin Gujarat Vij Company Ltd.	A+
2	Madhya Gujarat Vij Company Ltd.	A+
3.	Uttar Gujarat Vij Company Ltd.	A+
4.	Paschim Gujarat Vij Company Ltd.	A+
5.	Punjab State Power Corporation Limited	A+
6.	Maharashtra State Electricity Distribution Company Limited	A
7.	Uttarakhand Power Corporation Limited	A
8.	Mangalore Electricity Supply Company Limited	B+
9.	Bangalore Electricity Supply Company Limited	B+
10.	Chhattisgarh State Power Distribution Company Limited	B+
11.	North Bihar Power Distribution Company Limited	B+
12.	West Bengal State Electricity Distribution Company Limited	B+
13.	Eastern Power Distribution Company of AP Limited	B+
14.	Himachal Pradesh State Electricity Board Limited	B+
15.	Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Limited	B+
16.	Southern Power Distribution Company of Telengana Limited	B+
17.	Southern Power Distribution Company of AP Limited	B+
18.	Assam Power Distribution Company Limited	B
19.	Chamundeshwari Electricity Supply Corporation Limited	B
20.	Northern Power Distribution Company of Telangana Limited	B
21.	Uttar Haryana Bijli Vitran Nigam Limited	B
22.	Kerala State Electricity Board Limited	B
23.	South Bihar Power Distribution Company Limited	B
24.	Gulbarga Electricity Supply Company Limited	B
25.	Dakshin Haryana Bijli Vitran Nigam Limited	B
26.	Madhya Pradesh Poorv Kshetra Vidyut Vitaran Company Limited	B
27.	Tamil Nadu Generation and Distribution Corporation	B
28.	Jodhpur Vidyut Vitran Nigam Limited	B
29.	Madhya Pradesh Madhya Kshetra Vidyut Vitran Company Limited	B
30.	Paschimanchal Vidyut Vitaran Nigam Limited	B
31.	Tripura State Electricity Corporation Limited	C+
32.	Ajmer Vidyut Vitran Nigam Limited	C+
33.	Hubli Electricity Supply Company Limited	C+
34.	Madhyanchal Vidyut Vitran Nigam Limited	C+
35.	Jaipur Vidyut Vitran Nigam Limited	C+
36.	Purvanchal Vidyut Vitaran Nigam Limited	C+
37.	Kanpur Electricity Supply Company Limited	C+
38.	Meghalaya Power Distribution Corporation Limited	C+
39.	Dakshinanchal Vidyut Vitran Nigam Limited	C
40.	Jharkhand State Electricity Board	C

- Grade A+ denotes a score distribution between 80 and 100 denoting very high operational and financial performance capability.
- Grade A denotes a score distribution between 65 and 80 denoting high operational and financial performance capability.
- Grade B+ denotes a score distribution between 50 and 65 denoting moderate operational and financial performance capability.
- Grade B denotes a score distribution between 35 and 50 denoting below average operational and financial performance capability.
- Grade C+ denotes a score distribution between 20 and 35 denoting low operational and financial performance capability.
- Grade C denotes a score distribution between 0 and 20 denoting very low operational and financial performance capability.

GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1274
ANSWERED ON 03.03.2016
SCHEMES FOR POWER SECTOR

1274. SHRI S. RAJENDRAN:

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

- (a) the details of schemes being implemented *i.e.* APDRP, R-APDRP, IPDS, PSDF etc. by the Ministry of Power along with the aims and objectives of these schemes;**
- (b) the details of funds sanctioned/utilised under the all schemes and the targets achieved during the last three years and the current year, State/UT-wise and scheme wise;**
- (c) whether any States have been reportedly deprived of the benefits of the above schemes; and**
- (d) if so, the details thereof along with the corrective steps taken/being taken by the Government in this regard?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

- (a) : The details of schemes being implemented by the Ministry of Power along with their aims and objectives are as under:**
- (i) Integrated Power Development Scheme (IPDS): The IPDS is to provide quality and reliable power supply in the urban areas. The main components of IPDS are: (a) strengthening of sub-transmission and distribution network in the urban areas; (b) Metering of distribution transformers /feeders / consumers in the urban areas; (c) IT enablement of distribution sector and strengthening of distribution network being undertaken under the erstwhile Restructured Accelerated Power Development and Reforms Programme (R-APDRP), which is now subsumed under IPDS.**
 - (ii) Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY): The DDUGJY scheme is to provide (a) Electrification of all un-electrified villages/habitations irrespective of population. (b) Separation of agriculture and non-agriculture feeders facilitating judicious rostering of supply to agricultural & non-agricultural consumers in the rural areas; (c) Strengthening and augmentation of sub-transmission & distribution infrastructure in rural areas, including metering at distribution transformers/feeders/consumers.**

- (iii) **UDAY (Ujwal DISCOM Assurance Yojana): UDAY scheme aims to improve financial and operational efficiencies of Power Distribution Companies (DISCOMs) by reducing interest burden, cost of power and AT&C Losses to 15% in 2018-19.**
- (iv) **Power System Development Fund (PSDF): PSDF scheme aims to provide grid security and operationalization and utilization of funds deposited in PSDF, as approved by the Government, as per the Central Electricity Regulatory Commission (Power System Development Fund) Regulations, 2014 and the procedures for disbursement of funds approved by Ministry of Power.**
- (b) : **Details of funds sanctioned for all the Schemes, State-wise is given Annex.**
- (c) & (d) : **No, Madam. The benefits of the schemes are admissible as per guidelines/conditions envisaged under the respective Schemes. All the states who have participated in the schemes have been given the benefit under the schemes.**

ANNEX

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1274
ANSWERED IN THE LOK SABHA ON 03.03.2016.

i. Deen Dayal Upadhyaya Gram Jyoti Yojana(DDUGJY)

Rs. Crore

Sl. No	Name of State	Sanctioned Project Cost	2012-13	2013-14	2014-15	2015-16 (as on 25.02.2016)
1	Andhra Pradesh	1478.29	6.39	0.00	18.97	19.62
2	Arunachal Pradesh	1428.02	88.50	4.94	60.34	24.16
3	Assam	4703.71	50.47	18.96	114.62	336.73
4	Bihar	18484.21	21.06	848.13	1489.80	521.80
5	Chhattisgarh	2899.38	43.65	43.35	81.11	180.70
6	Gujarat	1239.91	5.01	7.53	12.36	57.80
7	Haryana	489.38	0.00	0.00	0.00	0.00
8	Himachal Pradesh	484.54	0.00	0.00	0.00	28.35
9	Jammu & Kashmir	1675.02	51.38	35.09	0.00	0.00
10	Jharkhand	8351.66	72.87	0.00	9.42	0.00
11	Karnataka	2857.65	45.35	39.82	25.96	20.41
12	Kerala	711.96	50.10	21.17	15.37	0.00
13	Madhya Pradesh	7163.53	168.33	115.26	351.98	339.63
14	Maharashtra	2847.75	10.36	0.00	0.00	40.58
15	Manipur	697.03	0.00	29.80	87.66	2.36
16	Meghalaya	559.92	30.01	18.13	0.00	0.00
17	Mizoram	424.68	0.00	40.90	0.00	18.60
18	Nagaland	402.29	15.28	7.17	0.00	44.70
19	Orissa	9073.20	77.94	2.52	15.53	488.38
20	Punjab	438.98	0.00	0.00	0.00	0.00
21	Rajasthan	5522.72	27.20	3.12	0.00	252.52
22	Sikkim	217.92	0.00	16.29	0.00	0.00
23	Tamil Nadu	1309.58	4.48	5.78	0.00	77.07
24	Telangana	773.03	6.35	6.92	3.44	5.33
25	Tripura	576.27	10.60	0.00	48.19	2.23
26	Uttar Pradesh	22452.32	93.68	1061.06	1121.07	742.72
27	Uttaranchal	1630.82	16.69	0.00	0.00	71.21
28	West Bengal	7761.76	7.68	51.71	145.03	271.81
29	Goa	20.11	0.00	0.00	0.00	0.00
30	Dadra & Nagar Haveli	5.03	0.00	0.00	0.00	0.00
	Total	106680.68	903.39	2377.66	3600.86	3546.70

ii. R-APDRP (Restructured Accelerated Power Development and Reforms Programme)

As on 31.01.2016

State	Utility	SANCTIONS					DISBURSEMENTS				
		SANCTIONS 2012-13	SANCTIONS 2013-14	SANCTIONS 2014-15	SANCTIONS 2015-16	SANCTIONS CUM.	DISBURSEMENTS 2012-13	DISBURSEMENTS 2013-14	DISBURSEMENTS 2014-15	DISBURSEMENTS 2015-16	DISBURSEMENTS CUMMULATIVE
Haryana	UHBVNL		442.61	0.00	0.00		0.00		0.00	18.91	41.45
	DHBVNL		351.29	0.00	-391.49		0.00		27.14	7.29	61.57
Haryana	TOTAL	0.00	793.90	0.00	-391.49	1241.62	0.00	0.00	27.14	26.20	103.02
HP	HPSEB	0.00	0.00	0.00	0.00	435.37	29.59	0.00	21.28	0.00	176.44
J&K	J&K PDD	0.00	0.00	0.00	0.00	1870.15	0.00	0.00	0.00	0.00	561.04
Punjab	PSEB	0.00	122.97	0.00	0.00	1957.91	10.26	13.50	4.29	29.86	415.72
Chandigarh	ED	0.00	0.00	0.00	-33.34	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	TOTAL	-4.40	0.00	110.14	0.00	2113.05	36.07	0.00	0.00	13.28	419.81
UP	TOTAL	1824.44	1015.63	930.36	0.00	7971.25	302.00	84.61	195.84	280.39	1388.15
Uttarakhand	UPCL	191.46	0.00	6.42	0.00	732.88	117.79	0.00	61.56	0.85	251.53
Total Utilities (North)		2011.50	1932.50	1046.92	-424.83	16322.23	495.71	98.11	310.11	350.57	3315.71
MP	TOTAL	44.91	0.00	0.00	0.00	2413.17	38.51	46.20	0.00	21.51	524.64
Gujarat	TOTAL	-39.77	43.17	127.02	0.00	1493.43	55.99	28.79	15.25	0.00	358.26
Chhattisgarh	CSEB	0.00	0.00	0.00	0.00	873.75	118.85	34.54	0.00	0.00	190.13
Maharashtra	MSEDCL	154.54	0.00	-341.38	0.00	3543.91	125.01	0.00	0.00	0.00	763.44
Goa	GOA ED	0.00	0.00	0.00	0.00	110.73	0.00	0.00	0.00	0.00	31.47
Total (West)		159.68	43.17	-214.36	0.00	8434.99	338.36	109.53	15.25	21.51	1867.93
AP	APSPDCL	44.17	39.54	79.51	0.00	400.26	0.00	48.96	1.23	11.92	122.59
	APEPDCL	51.03	17.23	21.42	0.00	154.44	11.90	7.65	7.26	0.00	45.74
AP	TOTAL	95.20	56.77	100.93	0.00	554.70	11.90	56.61	8.49	11.92	168.33
Telangana	TSNPDCL	18.20	1.93	0.00	-1.93	236.11	0.00	13.94	0.00	0.00	55.15
	TSSPDCL	15.54	24.85	0.00	-0.82	1191.22	0.00	69.10	0.00	0.00	258.65
Telangana	TOTAL	33.74	26.78	0.00	-2.75	1427.33	0.00	83.04	0.00	0.00	313.80
Karnataka	TOTAL	-162.40	0.00	7.56	0.00	1185.30	0.00	95.96	7.99	0.00	363.63
Kerala	KSEB	206.13	0.00	0.00	0.00	1375.85	30.92	0.00	0.00	0.00	250.99
Tamil Nadu	TNEB	-1088.68	90.81	228.40	0.00	3104.89	0.00	0.00	0.00	0.00	671.69
Puducherry	PD	98.67	0.00	0.00	0.00	126.20	0.00	14.10	2.78	0.00	21.38
Total(South)		-817.34	174.36	336.89	-2.75	7774.27	42.82	249.71	19.26	11.92	1789.84
Bihar	BSEB	530.05	0.00	0.00	-215.92	1155.89	82.53	97.36	0.00	0.00	238.26
Jharkhand	JSEB	0.00	1251.68	0.00	0.00	1412.28	0.00	27.78	0.00	0.00	75.96
West Bengal	WBSSEDCL	7.28	125.67	0.00	0.00	1005.49	55.87	0.00	21.96	0.00	253.74
	DPL	0.00	7.64	0.00	0.00	7.64	0.00	0.00	0.00	0.00	0.00
Odisha	CESU		395.86	0.00	0.00	395.86	0.00	0.00	79.21	0.00	79.21
Total (East)		537.33	1780.85	0.00	-215.92	3977.16	138.40	125.14	101.17	0.00	647.18
Assam	APDCL	0.00	0.00	0.00	0.00	839.65	75.79	0.00	34.60	0.00	286.49
Arunachal	PD	0.00	0.00	0.00	0.00	37.68	0.00	0.00	0.00	0.00	11.30
Nagaland	PD	0.00	0.00	0.00	-10.07	24.51	0.00	0.00	0.00	0.00	10.37
Manipur	PD	398.87	0.00	0.00	0.00	430.42	119.66	0.00	0.00	12.10	141.23
Meghalaya	MeSEB	0.00	159.73	0.00	0.00	193.70	0.00	0.00	47.92	0.00	58.11
Mizoram	PD	0.00	240.41	0.00	0.00	275.53	0.00	57.50	14.62	0.00	82.66
Sikkim	PD	0.00	0.00	-14.67	0.00	80.09	0.00	0.00	2.58	0.00	31.01
Tripura	PD	16.83	0.00	0.00	0.00	200.28	6.71	0.00	32.96	3.90	96.95
Total (NE)		415.70	400.14	-14.67	-10.07	2081.86	202.16	57.50	132.68	16.00	718.12
Total		2306.87	4331.02	1154.78	-653.57	38590.51	1217.45	639.99	578.47	400.00	8338.78

iii. Integrated Power Development Scheme (IPDS)

Rs. in crore.

State	Utility	CIRCL ES	SANC- TION 2014-15	SANC- TION 2015-16	SANC- TION AMOUNT CUM.	DISBUR- SE AMOUNT 14-15	DISBUR- SE AMOUNT 15-16	DISBUR- SED AMOUNT CUMULA- TIVE
UP	PoorvaVVNL	2	607.48	0.00	607.48	0.00	36.57	36.57
	PaschimVVNL	21	460.25	0.00	460.25	0.00	27.71	27.71
	DVVNL		0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL	23	1067.73	0.00	1067.73	0.00	64.28	64.28
Total Utilities (North)		23	1067.73	0.00	1067.73	0.00	64.28	64.28
MP	MPPKVVCL (W)	2	72.94	0.00	72.94	0.00	4.40	4.40
	TOTAL	2	72.94	0.00	72.94	0.00	4.40	4.40
Gujarat	MGVCL	5	374.78	0.00	374.78	0.00	22.57	22.57
	TOTAL	5	374.78	0.00	374.78	0.00	22.57	22.57
Total (West)		7	447.72	0.00	447.72	0.00	26.97	26.97
AP	APSPDCL	3	209.12	0.00	209.12	0.00	12.59	12.59
	APEPDCL	3	223.53	0.00	223.53	0.00	13.46	13.46
	TOTAL	6	432.65	0.00	432.65	0.00	26.05	26.05
Total (South)		6	432.65	0.00	432.65	0.00	26.05	26.05
Bihar	NBPDCL	1	171.92	891.36	1063.28	0.00	10.35	10.35
	SBPDCL	1	73.63	974.09	1047.72	0.00	4.44	4.44
	Total	2	245.55	1865.45	2111.00	0.00	14.79	14.79
West Bengal	WBSEDCL	5	1074.68	0.00	1074.68	0.00	64.70	64.70
Total (East)		7	1320.23	1865.45	3185.68	0.00	79.49	79.49
Total		43	3268.33	1865.45	5133.78	0.00	196.79	196.79

iv. Ujwal DISCOM Assurance Yojana (UDAY)

(Rs. in lakh)

Sl. No.	Interest Subsidy for: FY 2012-13	Sanctioned amount
1.	UPCL (Uttarakhand)	3.82
2.	MPMKVVCL (Madhya Pradesh)	3.33
3.	UHBVNL (Haryana)	0.32
Interest Subsidy for: FY 2013-14		
4.	MPPoKVVCL (Madhya Pradesh)	74.82
5.	JdVVNL (Rajasthan)	227.18
6.	UPCL (Uttarakhand)	263.26
7.	UHBVNL (Haryana)	178.59

v. Power System Development Fund (PSDF)

Seventy seven (77) schemes were submitted, out of which the Monitoring Committee has approved 36 schemes, for total grant of Rs. 3297.85 crore from PSDF. The disbursement of fund has commenced and so far Rs.73.32 crore has been disbursed to the various entities.

GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1312
ANSWERED ON 03.03.2016
POLLUTION LEVEL

†1312. **SHRIMATI VEENA DEVI:**
SHRI ANANTKUMAR HEGDE:

Will the Minister of POWER
be pleased to state:

- (a) whether the World Coal Association has submitted that India could minimize pollution level while improving efficiency in coal based power generation projects by adopting high level modern scientific technology;
- (b) if so, the details in this regard;
- (c) whether the Government has considered the view expressed by World Coal Association; and
- (d) if so, the action taken in this regard?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : The report of World Coal Association (WCA) brings out that coal is likely to be the major source of capacity addition in the country and significant savings in CO₂ emission are possible by switch over from subcritical units to super-critical and Ultra Supercritical technologies.

(c) & (d) : The Government has already taken following actions for adoption of super-critical and Ultra Supercritical technology to improve efficiency of Thermal Power Plants :

- I.** It has been decided that Coal fired capacity additions in 13th Plan shall be through supercritical units only.
- II.** Ultra Mega Power Projects (UMPPs) are based on Super Critical technology.
- III.** To promote setting up of supercritical units in place of old inefficient units, Government has approved automatic transfer of coal linkage from old inefficient power plants to new Supercritical plants subject to certain conditions.
- IV.** An Advanced Ultra Super Critical Technology R&D Project has been approved by Government at a cost of Rs. 1,500 Crore involving BHEL, NTPC and Indira Gandhi Centre for Atomic Research (IGCAR) to achieve higher efficiency, reduce carbon-dioxide emissions and coal consumption for coal based power plants.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1317
ANSWERED ON 03.03.2016**

COMPENSATION TO FARMERS

†1317. SHRI AJAY MISRA TENI:

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

- (a) whether compensation is given to the farmers for their lands acquired for public and private power projects;**
- (b) if so, the details thereof, project wise;**
- (c) whether any compensation has been paid to the farmers in various States including Uttar Pradesh for the land acquired from them for thermal/hydro power projects; and**
- (d) if so, the details thereof?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b): Yes, Madam. The compensation is directly paid by the State Governments to the land owners for the land acquired as per the provisions of the Land Acquisition Act as amended from time to time, for the construction of the power projects.

(c) & (d): The details of compensation paid to land owners in various States including Uttar Pradesh for setting up Thermal/Hydro Power Projects as well as Ultra Mega Power Project (UMPP) by Public Sector under Ministry of Power are given in Annex.

ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO. 1317 ANSWERED IN THE LOK SABHA ON 03.03.2016.

Sl. No	Name of Power Station /Project	Private Land acquired	Compensation paid to land owners (Rs. in Crore)
1	Chutak (44MW), (J&K)	18.63 ha	2.23
2	Nimoo-Bazgo (45MW) (J&K)	31.27 ha	6.40
3	Uri-II (240), (J&K)	150.10 ha	27.11
4	Kishanganga (330 MW), (J&K)	255.00 ha	271.84
5	Sewa-II (120 MW), (J&K)	66.10 ha	4.77
6	Parbati-III (520 MW), (HP)	46.00 ha	66.0
7	Chamera-III (231MW), (HP)	4.23 ha	1.16
8.	Parbati-II (800MW), (HP)	52.73 ha	24.95
9.	Kotlibhel 1A (195 MW), (Uttarakhand)	18.65 ha	7.17
10	Nathpa Jhakri Hydro Power Station (1500 MW), (HP).	224.00 ha	27.12
11	Rampur Hydro Electric Project (420 MW), (HP).	29.10 ha	24.18
12	Natwar Mori HEP (60 MW), (UK)	7.156 ha	11.01
13	Buxar Thermal Power Project (1360 MW), (Bihar)	436.60 ha	357.00 Compensation disbursement process is still in progress. Approximately 90% compensation disbursed.
14	Tanda, (2x660MW), (UP)	671.99 acrs	189.84
15	Bilhaur, (2x660MW), (UP)	950.52 acrs	372.23
16	Gadarwara, (2x800MW), (MP)	1479.48 acrs	80.25
17	Khargone, (2x660MW), (MP)	783.78 acrs	76.00
18	Barethi, (4x660MW), (MP)	2452.13 acrs	111.87
19	Darlipalli, (2x800MW), (Odisha)	1361.60 acrs	348.73
20	Kudgi, (3x800MW), (Karnataka)	3351.00 acrs	248.00
21	Lara, (2x800MW), (Chhattisgarh)	2383.26 acrs	292.35
22	Tehri Hydro Power Complex, Uttarakhand	15000 families	1526.00
23	Vishnugad Pipalkoti HEP (444 MW) Uttarakhand	31.639 ha	20.74
24	Khurja STPP (1320 MW), Bulandshahar, Uttar Pradesh	1360.00 acrs	387.18
25	Cheyur UMPP (4000MW), Tamil Nadu	655.15 acrs	83.57
26	Odisha UMPP (4000MW), Odisha	2733.00 acrs	620.78 Paid for disbursement.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1318
ANSWERED ON 03.03.2016**

POLLUTION BY FLY ASH

†1318. SHRI SHAILESH KUMAR:

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

- (a) whether different types of diseases are spreading due to excessive pollution caused in the nearby areas due to fly ash of coal in NTPC Kahalgaon;**
- (b) if so, the measures taken so far to check pollution; and**
- (c) the details of the arrangement made for the treatment of persons affected by pollution?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : No, Madam. As per a study conducted at NTPC, Kahalgaon Plant during 2012-14, no adverse effect on human health was observed within a radius of 10 Km of the Plant.

(b) & (c) : Do not arise.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1345
ANSWERED ON 03.03.2016**

UJWAL DISCOM ASSURANCE YOJANA (UDAY)

**†1345. SHRI NARANBHAI KACHHADIYA:
SHRI KUNWAR PUSHPENDRA SINGH CHANDEL:
SHRI SHRIRANG APPA BARNE:
DR. P. VENUGOPAL:
SHRI DILIPKUMAR MANSUKHLAL GANDHI:
SHRI R. GOPALAKRISHNAN:
SHRI ANANDRAO ADSUL:
SHRIMATI POONAMBEN MAADAM:
SHRI CHANDRA PRAKASH JOSHI:
SHRI P.P. CHAUDHARY:
SHRI ADHALRAO PATIL SHIVAJIRAO:
SHRI DHARMENDRA YADAV:**

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

- (a) the salient features of the Ujwal Discom Assurance Yojana (UDAY);**
- (b) whether certain States have sent proposals to join the Yojana;**
- (c) if so, the details thereof along with the incentives being offered to the States under the scheme; and**
- (d) the time by which these proposals are likely to be approved?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : The Ujwal DISCOM Assurance Yojana (UDAY) was launched by the Government of India on 20-11-2015 for operational and financial turnaround of State owned Power Distribution Companies (DISCOMs). The Scheme aims to reduce the interest burden, reduce the cost of power, reduce power losses in Distribution sector, and improve operational efficiency of DISCOMs.

(b) : So far, 17 States have given their 'in-principle' approval to join the Scheme UDAY. Out of these, the States of Chhattisgarh, Bihar, Jharkhand, Gujarat, Rajasthan and Uttar Pradesh have already signed MoUs under UDAY.

(c) : The Scheme incentivizes the States by exempting State takeover of DISCOM debts from Fiscal Responsibility and Budget Management (FRBM) limits for two years; increased supply of domestic coal; coal linkage rationalization; liberally allowing coal swaps, allocation of coal linkages to States at notified prices and additional/priority funding in Schemes of Ministry of Power and Ministry of New & Renewable Energy, if they meet the operational milestones in the Scheme.

(d) : Participating States along with the DISCOMs have to enter into MoU with Government of India and take over 50% of outstanding debt as on 30-09-2015 by 31st March, 2016.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1354
ANSWERED ON 03.03.2016**

POWER GENERATION CAPACITY

**1354. SHRI BALABHADRA MAJHI:
ADV. JOICE GEORGE:
SHRI SANTOSH KUMAR:
SHRI SUNIL KUMAR MONDAL:
SHRI RAM PRASAD SARMAH:
ADV. M. UDHAYAKUMAR:
SHRI PREM DAS RAI:
SHRI PRAHLAD SINGH PATEL:
SHRI PREM SINGH CHANDUMAJRA:
SHRI DINESH TRIVEDI:
SHRIMATI PRATYUSHA RAJESHWARI SINGH:
SHRI C.S. PUTTA RAJU:
DR. VIRENDRA KUMAR:
SHRIMATI MEENAKASHI LEKHI:
SHRI GOPAL SHETTY:
SHRI KAUSHALENDRA KUMAR:
SHRI VIJAY KUMAR HANSDAK:
SHRI P.K. BIJU:
SHRI V. PANNEERSELVAM:
SHRI ALOK SANJAR:
SHRI RAJENDRA AGRAWAL:
SHRI M. RAJA MOHAN REDDY:**

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

- (a) the details of the New/under constructions/Pending Thermal, Hydro, Gas power projects undertaken in the country during the eleventh and twelfth Plan along with their capacity of power generation including their current status and the steps taken/funds to complete the under construction projects State/UT/Project wise;**
- (b) the total demand/supply of power and targets set/achieved in terms of power generation in the country during each year of the eleventh and twelfth Plan till date along with the estimated figures in this regard for the next plan, State/UT-wise;**
- (c) whether the Government proposes to review the existing power projects/plants and intends to set up some more power projects/plants in the country to increase and achieve targeted power generation and if so, the details thereof along with the funds required for the purpose including source of mobilisation of funds;**

(d) whether a 'power for all scheme' is being run for continuous supply of power round the clock 24x7, if so the details thereof, State-wise; and

(e) Whether several power projects are pending/suffering due to non-accordance, delayed accordane of environmental clearance/land acquisition/funds/fuel and if so, the details thereof and the steps taken by the Government to expedite their work?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : The details of state-wise, project-wise thermal power projects undertaken during Eleventh and Twelfth Plan along with their capacity of power generation etc. are given at Annex-1A & 1B.

The details of state-wise, project-wise hydro power projects undertaken during Eleventh and Twelfth Plan along with their capacity of power generation etc. are given at Annex-1C.

(b) : The demand/supply of power as reported by the states during Eleventh and Twelfth Plan till date is given at Annex-IIA and the targets sets/achieved in terms of power generation in the country during Eleventh and Twelfth Plan till date is given at Annex-IIB.

The year wise, state-wise electrical energy requirement as per 18th Electric Power Survey (EPS) Report during 2016-17 to 2021-22 is given at Annex-IIC.

(c) : Yes, Madam. Thermal power projects aggregating to 82420.5 MW capacity are presently under construction in the country. The details of these projects along with latest cost, expenditure incurred and funds required as available in CEA are given at Annex-III A. As per this, balance funds required to complete the above ongoing thermal power projects amounts to Rs 2,62,014 Cr based on the information as available.

As on 31.01.2016, there are 47 under construction hydro projects (above 25 MW) totaling to 13,622 MW which, on commissioning, will help in achieving the targeted power generation. The total funds required to complete the above under construction projects is approximately Rs 63,856.49 Crores. The details are given at Annex-IIIB.

(d) : Government of India has taken a joint initiative with respective State Governments for preparation of State specific documents for providing 24x7 Power for All (PFA) to all consumers and adequate supply of power to agricultural consumers as per State Policy. The State Specific Documents for Eighteen (18) States viz. Andhra Pradesh, Rajasthan, Uttarakhand, Goa, Meghalaya, Jharkhand, Assam, Chhattisgarh, Bihar, Telangana, Haryana, Punjab, Sikkim, Maharashtra, Gujarat, Odisha, Karnataka and Kerala have been signed after approval of the respective State Governments. The documents in respect of other States/UTs are being finalized.

(e) : The details of under construction coal based thermal power projects of 30,605 MW delayed due to various reasons including environmental clearance/land acquisition/funds/fuel etc are given at Annex-IVA.

The list of gas based thermal power projects of 4,334.18 MW delayed due to non availability of gas is given at Annex-IVB.

The details of 15 nos. of *under construction* hydro electric projects aggregating to 5992 MW which are pending due to major constraints is given at Annex-IVC.

Detailed Project Reports of 42 nos. of hydro power projects aggregating to installed capacity of 26,302 MW have been accorded concurrence by CEA and are yet to be taken up for construction for want of Environment clearance/land Acquisitions/ Funds etc. The details are given at Annex-IVD.

**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO.1354 ANSWERED
IN THE LOK SABHA ON 03.03.2016.**

THERMAL PROJECTS UNDER TAKEN FOR CONSTRUCTION DURING 11TH PLAN

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
THERMAL PROJECTS COMMISSIONED							
<i>AP</i>	Damodaram Sanjeevaiah TPS	Coal	06/2008	APPDL	U-1	800	commissioned
					U-2	800	commissioned
<i>AP</i>	Lanco Kondapalli Ph-II (GT)	Gas	11/2007	Lanco Kondapalli	GT	233	commissioned
<i>AP</i>	Lanco Kondapalli Ph-II (ST)	Gas	11/2007	Lanco Kondapalli	ST	133	commissioned
<i>AP</i>	Lanco Kondapalli CPP Expn. St.III	Gas	01/2010	Kondapalli Power Pvt. Ltd.	Module-1	371	commissioned
					Module-2	371	commissioned
<i>AP</i>	Painampuram TPP	Coal	09/2010	Thermal Power Tech Corporation Ltd	U-1	660	commissioned
					U-2	660	commissioned
<i>AP</i>	Rayalseema TPP St-III	Coal	06/2007	APGENCO	U-5	210	commissioned
<i>AP</i>	Simhapuri Energy Pvt Ltd Ph-II	Coal	05/2010	Madhucon Projects Ltd.	U-3	150	commissioned
					U-4	150	commissioned
<i>AP</i>	Simhapuri Energy Pvt.Ltd Ph-I	Coal	01/2009	Madhucon Projects Ltd	U-1	150	commissioned
					U-2	150	commissioned
<i>AP</i>	Thamminapatnam TPP-I	Coal	08/2009	Meenakshi Energy Pvt. Ltd	U-1	150	commissioned
					U-2	150	commissioned
<i>AP</i>	Vemagiri CCPP-II	Gas	09/2009	GMR Rajahmundry Energy Ltd.	Block-I	384	commissioned
					Block-II	384	commissioned
<i>AP</i>	Vizag TPP	Coal	06/2010	Hinduja National Power Corp. Ltd	U-1	520	commissioned
<i>Assam</i>	Bongaigaon TPP	Coal	02/2008	NTPC	U-1	250	commissioned
<i>Bihar</i>	Barh STPP-II	Coal	11/2008	NTPC	U-4	660	commissioned
					U-5	660	commissioned
<i>Bihar Chhattisgarh</i>	Muzaffarpur TPP Exp Akaltara (Naiyara) TPP	Coal Coal	04/2010 04/2009	NTPC KSK Mahandi Power Company Ltd	U-3 U-1 (3rd)	195 600	commissioned commissioned
					U-2 (4th)	600	commissioned
<i>Chhattisgarh</i>	Avantha Bhandar TPP, U-1	Coal	04/2009	Korba West Power Co. Ltd.	U-1	600	commissioned
<i>Chhattisgarh</i>	Badadarha TPP	coal	06/2010	D.B. Power Ltd	U-1	600	commissioned
					U-2	600	commissioned
<i>Chhattisgarh</i>	Balco TPP	Coal	08/2007	Bharat Aluminium Co. Ltd	U-1	300	commissioned
<i>Chhattisgarh</i>	Bandakhar TPP	Coal	06/2011	M/s Maurti Clean Coal & Power Ltd	U-1	300	commissioned
<i>Chhattisgarh</i>	Chakabura TPP	Coal	09/2011	ACB India	U-1	30	commissioned

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>Chhattisgarh</i>	Kasaipalli TPP	Coal	11/2008	ACB India Ltd.	U-1	135	commissioned
					U-2	135	commissioned
<i>Chhattisgarh</i>	Katghora TPP	Coal	10/2007	Vandana Energy & Steel Ltd	U-1	35	commissioned
<i>Chhattisgarh</i>	Korba West St-III.	Coal	04/2008	CSPGCL	U-5	500	commissioned
<i>Chhattisgarh</i>	Marwa TPP	Coal	04/2008	CSPGCL	U-1	500	commissioned
<i>Chhattisgarh</i>	Raikheda TPP	Coal	01/2010	GMR	U-1	685	commissioned
<i>Chhattisgarh</i>	Ratija TPP	Coal	07/2009	Spectrum Coal & Power	U-1	50	commissioned
<i>Chhattisgarh</i>	Salora TPP	Coal	09/2009	M/s Vandana Vidyut	U-1	135	commissioned
<i>Chhattisgarh</i>	Swastic TPP	Coal	03/2010	M/s ACB	U-1	25	commissioned
<i>Chhattisgarh</i>	Tamnar TPP (Raigarh)	Coal	12/2008	O.P.Jindal	U-1	600	commissioned
					U-2	600	commissioned
					U-3	600	commissioned
					U-4	600	commissioned
<i>Chhattisgarh</i>	Uchpinda TPP	Coal	07/2007	RKM Powergen Pvt. Ltd	U-1	360	commissioned
					U-2	360	commissioned
<i>Delhi</i>	Pragati CCGT - III	Gas	05/2008	PPCL	GT-1	250	commissioned
					GT2	250	commissioned
					GT-3	250	commissioned
					GT-4	250	commissioned
					ST-1	250	commissioned
					ST-2	250	commissioned
<i>Delhi</i>	Rithala CCPP	Gas	05/2008	NDPL	GT-1	35.75	commissioned
					GT-2	35.75	commissioned
					ST	36.5	commissioned
<i>Gujarat</i>	DGEN Mega CCPP	Gas	07/2010	Torrent Energy Ltd	Module-1	400	commissioned
					Module-2	400	commissioned
					Module-3	400	commissioned
<i>Gujarat</i>	Dhuvaran CCPP-III	Gas	03/2011	GSECL	Block-1	376.1	commissioned
<i>Gujarat</i>	Hazira CCPP Extn.	Gas	12/2007	GSECL	GT+ST	351	commissioned
<i>Gujarat</i>	Mundra TPP Ph-II	Coal	09/2007	Adani Power Ltd	U-1	660	commissioned
					U-2	660	commissioned
<i>Gujarat</i>	Mundra TPP Ph-III	Coal	01/2008	Adani Power Ltd	U-1	660	commissioned
					U-2	660	commissioned
					U-3	660	commissioned
<i>Gujarat</i>	Mundra UMPP	Coal	08/2007	Tata Power Co.	U-1	800	commissioned
					U-2	800	commissioned
					U-3	800	commissioned
					U-4	800	commissioned
					U-5	800	commissioned
<i>Gujarat</i>	Pipavav CCPP	Gas	03/2008	GPPCL	Block-1	351	commissioned
					Block-2	351	commissioned

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>Gujarat</i>	Salaya TPP	Coal	09/2009	Essar Power Gujarat Ltd.	U-1 U-2	600 600	commissioned commissioned
<i>Gujarat</i>	Sikka TPS Extn.	Coal	05/2007	GSECL	U-3 U-4	250 250	commissioned commissioned
<i>Gujarat</i>	Ukai TPP Extn.	Coal	09/2007	GSECL	U-6	500	commissioned
<i>Gujarat</i>	Unosugen Mega CCPP	Gas	07/2010	Torrent Energy Ltd	Module-1	382.5	commissioned
<i>Gujarat</i>	Utran CCPP Extn	Gas	04/2007	GSECL	GT ST	240 134	commissioned commissioned
<i>Haryana</i>	Indira Gandhi TPP	Coal	07/2007	APCPL	U-1 U-2 U-3	500 500 500	commissioned commissioned commissioned
<i>Haryana</i>	Jajjar TPP (Mahatama Gandhi TPP)	Coal	03/2009	CLP Power India Pvt. Ltd	U-1 U-2	660 660	commissioned commissioned
<i>Jharkhand</i>	Koderma TPP	Coal	06/2007	DVC	U-1 U-2	500 500	commissioned commissioned
<i>Jharkhand</i>	Mahadev Prasad TPP Ph-I	coal	05/2009	Adhunik Power Co.Ltd	U-1 U-2	270 270	commissioned commissioned
<i>Jharkhand</i>	Maithon RB TPP	Coal	10/2007	DVC	U-1 U-2	525 525	commissioned commissioned
<i>Maharashtra</i>	Amravati TPP Ph-I	Coal	11/2009	Ratan India Power Pvt Ltd.	U-1 U-2 U-3 U-4 U-5	270 270 270 270 270	commissioned commissioned commissioned commissioned commissioned
<i>Maharashtra</i>	Bela TPP-I	Coal	12/2008	IEPL	U-1	270	commissioned
<i>Maharashtra</i>	Butibori TPP Ph-II	Coal	12/2009	Vidarbha Industries Power	U-1 U-2	300 300	commissioned commissioned
<i>Maharashtra</i>	Chandrapur TPS Extn.	coal	07/2008	MSPGCL	U-8	500	commissioned
<i>Maharashtra</i>	Dhariwal Infracure TPP	coal	04/2010	Dhariwal Infracure (P) Ltd	U-1 U-2	300 300	commissioned commissioned
<i>Maharashtra</i>	EMCO Warora TPP	Coal	09/2009	EMCO Energy Ltd.(GMR)	U-1 U-2	300 300	commissioned commissioned
<i>Maharashtra</i>	GEPL TPP	Coal	04/2009	GEPL	U-1 U-2	60 60	commissioned commissioned
<i>Maharashtra</i>	JSW Ratnagiri TPP	Coal	07/2007	JSW Energy(Ratnagiri) Ltd	U-1 U-2 U-3 U-4	300 300 300 300	commissioned commissioned commissioned commissioned
<i>Maharashtra</i>	Koradi TPS Expn.	Coal	09/2009	MSPGCL	U-8	660	commissioned

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
Maharashtra	Mihan TPS	Coal	05/2008	Abhijeet MADC Nagpur Energy Pvt Ptd	U-1	61.5	commissioned
					U-2	61.5	commissioned
					U-3	61.5	commissioned
					U-4	61.5	commissioned
Maharashtra	Mouda TPP	Coal	09/2008	NTPC	U-1	500	commissioned
					U-2	500	commissioned
Maharashtra	Nasik TPP Ph-I	coal	11/2009	Ratan India Nasik Power Pvt Ltd.	U-1	270	commissioned
Maharashtra	Tirora TPP Ph-I	Coal	02/2008	Adani Power Ltd	U-1	660	commissioned
					U-2	660	commissioned
Maharashtra	Tirora TPP Ph-II	Coal	02/2008	Adani Power Ltd	U-1	660	commissioned
					U-2	660	commissioned
					U-3	660	commissioned
Maharashtra	Wardha Warora TPP	Coal	05/2007	WPCL	U-1	135	commissioned
					U-2	135	commissioned
					U-3	135	commissioned
					U-4	135	commissioned
MP	Anuppur TPP Ph-I	Coal	11/2010	MB Power MP	U-1	600	commissioned
MP	Bina TPP	coal	09/2008	Bina Power Supply Co. Ltd	U-1	250	commissioned
					U-2	250	commissioned
MP	Mahan TPP	Coal	09/2008	Essar Power MP Ltd	U-1	600	commissioned
MP	Malwa TPP (Shree Singa ji TPP)	Coal	12/2008	MPGENCO	U-1	600	commissioned
					U-2	600	commissioned
MP	Nigri TPP	Coal	08/2009	Jaiprakash Power Ventures Ltd	U-1	660	commissioned
					U-2	660	commissioned
MP	Niwari TPP	Coal	04/2011	BLA Power Ltd	U-1	45	commissioned
MP	Sasan UMPP	Coal	06/2008	Reliance Power Ltd.	U-1	660	commissioned
					U-2	660	commissioned
					U-3	660	commissioned
					U-4	660	commissioned
					U-5	660	commissioned
					U-6	660	commissioned
MP	Satpura TPS Extn	Coal	03/2008	MPPGCL	U-10	250	commissioned
					U-11	250	commissioned
MP	Vindhyachal TPP-IV	Coal	02/2009	NTPC	U-11	500	commissioned
					U-12	500	commissioned
Orissa	Derang TPP	Coal	07/2009	JITPL	U-1	600	commissioned
					U-2	600	commissioned
Orissa	Kamalanga TPP	Coal	06/2009	GMR	U-1	350	commissioned
					U-2	350	commissioned
					U-3	350	commissioned

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>Punjab</i>	Goindwal Sahib TPP	Coal	08/2008	GVK Power	U-1	270	commissioned
<i>Punjab</i>	Rajpura TPP (Nabha)	Coal	07/2010	Nabha Power Ltd	U-1	700	commissioned
					U-2	700	commissioned
<i>Punjab</i>	Talwandi Sabo TPP	Coal	07/2009	M/s Sterlite	U-1	660	commissioned
					U-2	660	commissioned
<i>Rajasthan</i>	Chhabra TPS Extn	Coal	08/2008	RRVUNL	U-3	250	commissioned
					U-4	250	commissioned
<i>Rajasthan</i>	Kalisindh TPP	Coal	07/2008	RRVUNL	U-1	600	commissioned
					U-2	600	commissioned
<i>Rajasthan</i>	Kawai TPP	Coal	04/2010	Adani Power Ltd.	U-1	660	commissioned
					U-2	660	commissioned
<i>Rajasthan</i>	Ramgarh CCPP Extn. -III	Gas	07/2009	RRVUNL	GT	110	commissioned
					ST	50	commissioned
<i>Telangana</i>	Kakatiya TPS Extn	Coal	10/2008	T GENCO	U-1	600	commissioned
<i>TN</i>	ITPCL TPP	Coal	12/2010	IL&FS Tamil Nadu Power Company Ltd	U-1	600	commissioned
<i>TN</i>	Melamaruthur TPP	Coal	08/2009	Coastal Energen	U-1	600	commissioned
					U-2	600	commissioned
<i>TN</i>	Mettur TPP Ext	Coal	06/2008	TANGEDCO	U-1	600	commissioned
<i>TN</i>	North Chennai Extn, U-2	Coal	08/2008	TANGEDCO	U-2	600	commissioned
<i>TN</i>	North Chennai TPS Extn, U-1	Coal	02/2008	TANGEDCO	U-1	600	commissioned
<i>TN</i>	Tuticorin JV	Coal	01/2009	NLC	U-1	500	commissioned
					U-2	500	commissioned
<i>TN</i>	Tuticorin TPP-II(Ind barath)	Coal	12/2009	Ind Barath	U-1	150	commissioned
					U-2	150	commissioned
<i>TN</i>	Vallur TPP Ph I	Coal	08/2007	NTECL	U-1	500	commissioned
					U-2	500	commissioned
<i>TN</i>	Vallur TPP-II	Coal	07/2009	NTECL	U-3	500	commissioned
<i>Tripura</i>	Baramura GT Extn.	GAS	03/2008	TSECL	U-5	21	commissioned
<i>Tripura</i>	Monarchak CCPP	Gas	07/2010	NEEPCO	GT	65.4	commissioned
					ST	35.6	commissioned
<i>Tripura</i>	Rokhia CCPP	Gas	08/2010	Govt. of Tripura	GT-9	21	commissioned
<i>Tripura</i>	Tripura Gas	Gas	06/2008	OTPC	Module-1	363.3	commissioned
					Module-2	363.3	commissioned

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>UP</i>	Anpara-C	Coal	11/2007	Lanco Anpara Power Pvt. Ltd.	U-1	600	commissioned
					U-2	600	commissioned
<i>UP</i>	Anpara-D TPS	Coal	10/2007	UPRVUNL	U- 6	500	commissioned
<i>UP</i>	Barkhera TPP	Coal	12/2009	Bajaj Energy Pvt. Ltd	U-1	45	commissioned
					U-2	45	commissioned
<i>UP</i>	Khamberkhera TPP	Coal	12/2009	Bajajb Energy Pvt. Ltd	U-1	45	commissioned
					U-2	45	commissioned
<i>UP</i>	Kundarki TPP	Coal	12/2009	Bajaj Energy Pvt. Ltd	U-1	45	commissioned
					U-2	45	commissioned
<i>UP</i>	Lalitpur TPP	Coal	03/2011	Lalitpur power Generation Co. Ltd	U-1	660	commissioned
<i>UP</i>	Maqsoodpur TPP	Coal	12/2009	Bajaj Energy Pvt Ltd	U-1	45	commissioned
					U-2	45	commissioned
<i>UP</i>	Prayagraj (Bara) TPP	Coal	10/2009	Prayagraj power Gen. Co.Ltd(J.P.Power Ventures)	U-1	660	commissioned
<i>UP</i>	Rihand STPS- III	Coal	01/2009	NTPC	U-5	500	commissioned
					U-6	500	commissioned
<i>UP</i>	Rosa TPP Ph-II	Coal	03/2008	Reliance Power Ltd.	U-3	300	commissioned
					U-4	300	commissioned
<i>UP</i>	Utrala TPP	Coal	12/2009	Bajaj Energy Pvt. Ltd	U-1	45	commissioned
					U-2	45	commissioned
<i>WB</i>	Durgapur Steel TPS	Coal	07/2007	DVC	U-1	500	commissioned
					U-2	500	commissioned
<i>WB</i>	Durgapur TPS Extn U-8	Coal	07/2010	DPL	U-8	250	commissioned
<i>WB</i>	Haldia TPP-I	Coal	09/2011	M/s Haldia Energy Ltd.	U-1	300	commissioned
					U-2	300	commissioned
<i>WB</i>	Raghunathpur TPP, Ph-I	Coal	12/2007	DVC	U-1	600	commissioned
					U-2	600	commissioned
<i>WB</i>	Sagardighi TPS-II	Coal	02/2011	WBPDCCL	U-3	500	commissioned

***Sub-Total :* 82935.2 MW**

THERMAL PROJECTS UNDER CONSTRUCTION

<i>AP</i>	Bhavanpadu TPP	Coal	09/2009	M/s East Coast Energy Ltd.	U-1	660	Under Construction
					U-2	660	Under Construction
<i>AP</i>	NCC TPP	coal	02/2012	NCC Power Projects Ltd	U-1	660	Under Construction
					U-2	660	Under Construction
<i>AP</i>	Panduranga CAPP	Gas	05/2010	Panduranga Power Ltd	Module-1	110.3	Under Construction
<i>AP</i>	Rayalseema St-IV U-6	Coal	10/2010	APGENCO	U-6	600	Under Construction
<i>AP</i>	RVK Gas Engine	Gas	06/2010	RVK (Rajahmundry) Pvt.Ltd	GE: 5-8	38	Under Construction
					GE:1-4	38	Under Construction

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>AP</i>	RVKCCPP	Gas	07/2010	RVK (Rajahmundry) PVT.Ltd	Module-1	120	Under Construction
					Module-2	120	Under Construction
					Module-3	120	Under Construction
<i>AP</i>	Samalkot CCPP-II	Gas	07/2010	Reliance Power	Module-1	400	Under Construction
					Module-2	400	Under Construction
					Module-3	400	Under Construction
					Module-4	400	Under Construction
					Module-5	400	Under Construction
					Module-6	400	Under Construction
<i>AP</i>	Thamminapatnam TPP-II	Coal	12/2009	Meenakshi Energy Pvt. Ltd	U-3	350	Under Construction
					U-4	350	Under Construction
<i>AP</i>	Vizag TPP	Coal	06/2010	Hinduja National Power Corp. Ltd	U-2	520	Under Construction
<i>Assam</i>	Bongaigaon TPP	Coal	02/2008	NTPC	U-2	250	Under Construction
					U-3	250	Under Construction
<i>Assam</i>	Namrup CCGT	Gas	02/2009	APGCL	GT	70	Under Construction
					ST	30	Under Construction
<i>Bihar</i>	Barauni TPS Extn	coal	03/2011	BSEB	U-8	250	Under Construction
					U-9	250	Under Construction
<i>Bihar</i>	Jas Infra TPP Ph-I	Coal	03/2011	JICPL	U-1	660	Under Construction
					U-2	660	Under Construction
					U-3	660	Under Construction
					U-4	660	Under Construction
<i>Bihar</i>	Muzaffarpur TPP Exp	Coal	04/2010	NTPC	U-4	195	Under Construction
<i>Bihar</i>	Nabi Nagar TPP	Coal	01/2008	NTPC	U-1	250	Under Construction
					U-2	250	Under Construction
					U-3	250	Under Construction
					U-4	250	Under Construction
<i>Chhattisgarh</i>	Akaltara (Naiyara) TPP	Coal	04/2009	KSK Mahandi Power Company Ltd	U-3(2nd)	600	Under Construction
					U-4 (5th)	600	Under Construction
					U-5(1st)	600	Under Construction
					U-6	600	Under Construction
<i>Chhattisgarh</i>	Balco TPP	Coal	08/2007	Bharat Aluminium Co. Ltd	U-2	300	Under Construction
<i>Chhattisgarh</i>	Binjkote TPP	Coal	03/2011	SKS Power Gen.(Chhattisgarh Ltd)	U-1	300	Under Construction
					U-2	300	Under Construction
					U-3	300	Under Construction
					U-4	300	Under Construction
<i>Chhattisgarh</i>	Deveri TPP (Visa TPP) Raigarh	Coal	06/2010	Visa Power Ltd	U-1	600	Under Construction
<i>Chhattisgarh</i>	Lanco Amarkantak TPS-II	Coal	11/2009	LAP Pvt. Ltd.	U-3	660	Under Construction

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>Chhattisgarh</i>	Lanco Amarkantak TPS-II	Coal	11/2009	LAP Pvt. Ltd.	U-4	660	Under Construction
<i>Chhattisgarh</i>	Marwa TPP	Coal	04/2008	CSPGCL	U-2	500	Under Construction
<i>Chhattisgarh</i>	Nawapara TPP (TRN Energy TPP)	Coal	01/2011	M/s TRN Energy Pvt. Ltd.	U-1	300	Under Construction
					U-2	300	Under Construction
<i>Chhattisgarh</i>	Raikheda TPP	Coal	01/2010	GMR	U-2	685	Under Construction
<i>Chhattisgarh</i>	Salora TPP	Coal	09/2009	M/s Vandana Vidyut	U-2	135	Under Construction
<i>Chhattisgarh</i>	Singhitarai TPP	Coal	12/2009	Athena Chhattisgarh Power Ltd.	U-1	600	Under Construction
					U-2	600	Under Construction
<i>Chhattisgarh</i>	Uchpinda TPP	Coal	07/2007	RKM Powergen Pvt. Ltd	U-3	360	Under Construction
					U-4	360	Under Construction
<i>Gujarat</i>	Bhavnagar CFBC TPP	Lignite	02/2010	Bhavnagar Energy	U-1	250	Under Construction
					U-2	250	Under Construction
<i>Jharkhand</i>	BokaroTPS "A"Exp.	Coal	06/2008	DVC	U-1	500	Under Construction
<i>Jharkhand</i>	Mata shri Usha TPP-Ph-I	Coal	12/2009	M/s Corporate Power Ltd	U-1	270	Under Construction
					U-2	270	Under Construction
<i>Jharkhand</i>	Mata Shri Usha TPP-Ph-	Coal	03/2011	Corporate Power Ltd	U-3	270	Under Construction
					U-4	270	Under Construction
<i>Jharkhand</i>	Tori TPP	Coal	08/2008	Essar Power	U-1	600	Under Construction
					U-2	600	Under Construction
<i>Jharkhand</i>	Tori TPS Ph-II	Coal	02/2010	Essar Power	U-1	600	Under Construction
<i>Karnataka</i>	Bellary TPP St-III	coal	09/2010	KPCL	U-3	700	Under Construction
<i>Karnataka</i>	Kudgi STPP Ph-I	Coal	02/2012	NTPC	U-1	800	Under Construction
					U-2	800	Under Construction
					U-3	800	Under Construction
<i>Karnataka</i>	Yermarus TPP	Coal	04/2010	KPCL	U-1	800	Under Construction
					U-2	800	Under Construction
<i>Maharashtra</i>	Amravati TPP Ph-II	Coal	10/2010	Ratan India Power Pvt Ltd.	U-1	270	Under Construction
					U-2	270	Under Construction
					U-3	270	Under Construction
					U-4	270	Under Construction
					U-5	270	Under Construction
<i>Maharashtra</i>	Bijora Ghanmukh TPP	Coal	09/2011	M/s Jinbhuvish Power Gen. Pvt.Ltd.	U-1	300	Under Construction
					U-2	300	Under Construction
<i>Maharashtra</i>	Chandrapur TPS Extn.	coal	07/2008	MSPGCL	U-9	500	Under Construction
<i>Maharashtra</i>	Koradi TPS Expn.	Coal	09/2009	MSPGCL	U-10	660	Under Construction
					U-9	660	Under Construction

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>Maharashtra</i>	Lanco Vidarbha TPP	Coal	11/2009	Lanco Vidarbha	U-1	660	Under Construction
					U-2	660	Under Construction
<i>Maharashtra</i>	Mangaon CAPP	Gas	12/2011	PGPL	Block-1	388	Under Construction
<i>Maharashtra</i>	Nasik TPP Ph-I	coal	11/2009	Ratan India Nasik Power Pvt Ltd.	U-2	270	Under Construction
					U-3	270	Under Construction
					U-4	270	Under Construction
					U-5	270	Under Construction
<i>Maharashtra</i>	Nasik TPP Ph-II	Coal	11/2009	Ratan India Nasik Power Pvt Ltd.	U-1	270	Under Construction
					U-2	270	Under Construction
					U-3	270	Under Construction
					U-4	270	Under Construction
					U-5	270	Under Construction
<i>Maharashtra</i>	Parli TPS Expn.	Coal	01/2009	MSPGCL	U-8	250	Under Construction
<i>MP</i>	Anuppur TPP Ph-I	Coal	11/2010	MB Power MP	U-2	600	Under Construction
<i>MP</i>	Gorgi TPP (DB Power)	Coal	03/2011	D.P Power (MP) Ltd	U-1	660	Under Construction
<i>MP</i>	Mahan TPP	Coal	09/2008	Essar Power MP Ltd	U-2	600	Under Construction
<i>MP</i>	Niwari TPP	Coal	04/2011	BLA Power Ltd	U-2	45	Under Construction
<i>MP</i>	Seioni TPP Ph-I	Coal	02/2010	Jhabua Power Ltd	U-1	600	Under Construction
<i>Orissa</i>	Ind Bharat TPP (Orissa)	Coal	05/2009	Ind. Bharat	U-1	350	Under Construction
					U-2	350	Under Construction
<i>Orissa</i>	KVK Nilanchal TPP	Coal	11/2009	KVK Nilachal	U-1	350	Under Construction
					U-2	350	Under Construction
					U-3	350	Under Construction
<i>Orissa</i>	Lanco Babandh TPP	Coal	11/2009	Lanco Babandh Power Ltd	U-1	660	Under Construction
					U-2	660	Under Construction
<i>Orissa</i>	Malibrahmani TPP (Monnet Ispat)	Coal	06/2010	MPCL	U-1	525	Under Construction
					U-2	525	Under Construction
<i>Punjab</i>	Goindwal Sahib TPP	Coal	08/2008	GVK Power	U-2	270	Under Construction
<i>Punjab</i>	Talwandi Sabo TPP	Coal	07/2009	M/s Sterlite	U-3	660	Under Construction
<i>Telangana</i>	Astha Gas Engines(4X8.72 MW)	gas	05/2011	APCPL	GE	34.88	Under Construction
<i>Telangana</i>	Singareni TPP	Coal	11/2011	Singareni Collieries Co.	U-1	600	Under Construction
					U-2	600	Under Construction
<i>TN</i>	Ind Barath Gas project	Gas	06/2011	Ind Barath	Block-1	65	Under Construction
<i>TN</i>	ITPCL TPP	Coal	12/2010	IL&FS Tamil Nadu Power Company Ltd	U-2	600	Under Construction

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>TN</i>	Tuticorin TPP (Ind-Barath TPP)	Coal	05/2010	IBPIL	U-1	660	Under Construction
<i>UP</i>	Anpara-D TPS	Coal	10/2007	UPRVUNL	U-7	500	Under Construction
<i>UP</i>	Lalitpur TPP	Coal	03/2011	Lalitpur power Generation Co. Ltd	U-2	660	Under Construction
					U-3	660	Under Construction
<i>UP</i>	Prayagraj (Bara) TPP	Coal	10/2009	Prayagraj power Gen. Co.Ltd(J.P.Power Ventures)	U-2	660	Under Construction
					U-3	660	Under Construction
<i>Uttarakhand</i>	Beta CCPP	Gas	12/2010	BIPL	GT+ST	225	Under Construction
<i>Uttarakhand</i>	Gama CCPP	Gas	07/2010	GIPL	GT+ST	225	Under Construction
<i>Uttarakhand</i>	Kashipur CCPP-I	Gas	04/2010	Sravanthi Energy Pvt. Ltd	Block-I	225	Under Construction
<i>Uttarakhand</i>	Kashipur CCPP-II	Gas	11/2010	Sravanthi Energy Pvt. Ltd	GT+ST	225	Under Construction
<i>WB</i>	Sagardighi TPS-II	Coal	02/2011	WBPDCCL	U-4	500	Under Construction

***Sub-Total :* 53394.18 MW**

***Total :* 136329.38 MW**

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO.1354 ANSWERED IN THE LOK SABHA ON 03.03.2016.

THERMAL PROJECTS UNDER TAKEN FOR CONSTRUCTION DURING 12TH PLAN

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>THERMAL PROJECTS COMMISSIONED</i>							
<i>MP</i>	Vindhyachal TPP-V	Coal	05/2012	NTPC	U-13	500	commissioned
<i>Tripura</i>	Agartala CCPP	Gas	09/2012	NEEPCO	ST-2	25.5	commissioned
<i>Sub-Total :</i>						525.5	
<i>THERMAL PROJECTS UNDER CONSTRUCTION</i>							
<i>Bihar</i>	New Nabi Nagar TPP	Coal	01/2013	NTPC	U-1	660	Under Construction
					U-2	660	Under Construction
					U-3	660	Under Construction
<i>Chhattisgarh</i>	Lara STPP	Coal	12/2012	NTPC	U-1	800	Under Construction
					U-2	800	Under Construction
<i>Gujarat</i>	Wankbori TPS Extn	Coal	10/2014	GSECL	U-8	800	Under Construction
<i>Jharkhand</i>	North Karanpura TPP	Coal	02/2014	NTPC	U-1	660	Under Construction
					U-2	660	Under Construction
					U-3	660	Under Construction
<i>Maharashtra</i>	Mouda STPP-II	Coal	04/2012	NTPC	U-3	660	Under Construction
					U-4	660	Under Construction
<i>Maharashtra</i>	Solapur STPP	Coal	04/2012	NTPC	U-1	660	Under Construction
					U-2	660	Under Construction
<i>MP</i>	Gadarwara STPP	Coal	03/2013	NTPC	U-1	800	Under Construction
					U-2	800	Under Construction
<i>MP</i>	Khargone TPP	Coal	03/2015	NTPC	U-1	660	Under Construction
					U-2	660	Under Construction
<i>MP</i>	Shree Singaji TPP Phase-II	Coal	09/2014	MPGENCO	U-3	660	Under Construction
					U-4	660	Under Construction
<i>Orissa</i>	Darlipali STPP	Coal	02/2014	NTPC	U-1	800	Under Construction
					U-2	800	Under Construction
<i>Orissa</i>	IB Valley TPP	Coal	03/2014	OPGCL	U-3	660	Under Construction
					U-4	660	Under Construction
<i>Rajasthan</i>	Chhabra Super Critical TPP.	Coal	03/2013	RRVUNL	U-5	660	Under Construction

<i>State</i>	<i>Project Name</i>	<i>Fuel</i>	<i>Order/Zero Date</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Brief Status</i>
<i>Rajasthan</i>	Chhabra Super Critical TPP.	Coal	03/2013	RRVUNL	U-6	660	Under Construction
<i>Rajasthan</i>	Suratgarh TPS	Coal	05/2013	RRVUNL	U-7 U-8	660 660	Under Construction Under Construction
<i>Telangana</i>	Bhadradi TPP (Manuguru)	Coal	05/2015	TGENCO	U-1 U-2 U-3 U-4	270 270 270 270	Under Construction Under Construction Under Construction Under Construction
<i>Telangana</i>	Kothagudem TPS St-VII	Coal	01/2015	TGENCO	U-1	800	Under Construction
<i>Telangana</i>	Telangana Ph-I	Coal	02/2016	NTPC	U-2 U-1	800 800	Under Construction Under Construction
<i>TN</i>	Ennore Super Critical TPP	Coal	09/2014	TANGEDCO	U-1 U-2	660 660	Under Construction Under Construction
<i>TN</i>	Ennore TPP Expansion	Coal	05/2014	TANGEDCO	U-1	660	Under Construction
<i>TN</i>	New Neyveli TPP	Coal	12/2013	NLC	U-1 U-2	500 500	Under Construction Under Construction
<i>TN</i>	Tutuicorin TPP St-IV	Coal	01/2014	SEPC	U-1	525	Under Construction
<i>Tripura</i>	Agartala CCPP	Gas	09/2012	NEEPCO	ST-1	25.5	Under Construction
<i>UP</i>	Harduaganj Expn II	Coal	09/2015	UPRVUNL	U-1	660	Under Construction
<i>UP</i>	Meja STPP	Coal	04/2012	JV of NTPC & UPRVUNL	U-1 U-2	660 660	Under Construction Under Construction
<i>UP</i>	Tanda TPS -II	Coal	09/2014	NTPC	U-1 U-2	660 660	Under Construction Under Construction
<i>UP</i>	Unchahar TPS St-IV	Coal	08/2013	NTPC	U-6	500	Under Construction
<i>WB</i>	Kasbere TPP (Haldia)	Coal	11/2013	India Power Corporation(Haldia) Limited	U-1 U-2 U-3	150 150 150	Under Construction Under Construction Under Construction
<i>WB</i>	Raghunathpur TPP Ph-II	Coal	09/2012	DVC	U-1 U-2	660 660	Under Construction Under Construction

Sub-Total : 31380.5 MW

Total : 31906 MW

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO.1354 ANSWERED IN THE LOK SABHA ON 03.03.2016.

Details of hydro projects undertaken during 11th & 12th Plan- Funds required (Excluding projects under Ministry of New & Renewable Energy)										
Sl. No.	Name of Scheme	State	I.C. (No. x MW)	Date of Award/ Last Statutory Clearance	Under Execution (MW)	Latest Cost Rs. Cr.	Expendi- ture upto 03/2015 Rs. Cr.	Funds Required till comm. Rs. Cr.	Likely Commng. Date	Remarks
Undertaken in 11th Plan										
Commissioned										
1	Baglihar-II	J&K	3x150	31.3.12	450.00		---	Commissioned---		Commnd- 26.10.15
2a	Lower Jurala	Telangana	6x40	10.02.08	120.00		---	Commissioned---		Three units comnd. In 2015-16
3	Jorethang Loop	Sikkim	2x48	09.03.09	96.00		---	Commissioned---		Commnd- 23.09.15
Sub- total: (Commnd.)					666.00					
Under Construction										
4	Pare (NEEPCO)	Ar. Pr.	2x55	31.08.09	110.00	1226.27	994.40	231.87	2016-17	
5	Swara Kuddu	H.P.	3x37	17.07.07	111.00	1181.90	1022.55	159.35	2018-19	
6	Kashang -I	H.P.	1x65	09.04.09	65.00				2015-16	
7	Kashang -II & III	H.P.	2x65	11.11.10	130.00	1079.80	843.44	236.36	2019-20	
8	Sainj	H.P.	2x50	29.12.10	100.00	784.56	839.46	-	2016-17	Cost under revision
9	Sorang	H.P.	2x50	06/2007	100.00	586.00	N.A.	-	2015-16	Exp. Not Available
10	Tidong-I	H.P.	2x50	07.11.08	100.00	543.15	279.89	263.26	2017-18	Exp. upto May-13
11	Tangu Romai- I	H.P.	2x22	14.06.10	44.00	255.00	179.00	76.00	2018-19	Exp. upto Mar-13
12	Chanju-I	H.P.	3x12	23.07.11	36.00	295.09	328.28	-	2016-17	Cost under revision
13	Kishanganga (NHPC)	J&K	3x110	22.01.09	330.00	5497.72	3912.95	1584.77	2016-17	
14	Thottiyar	Kerala	1x30 +1x10	22.12.08	40.00	150.02	46.18	103.84	2018-19	
15	Koyna Left Bank PSS	Maharashtra	2x40	20.06.07	80.00	1494.94	334.59	1160.35	2018-19	
16	New Umtru	Meghalaya	2x20	20.12.07	40.00	461.27	255.91	205.36	2016-17	
17	Teesta St. III	Sikkim	6x200	18.04.07	1200.00	11382.00	9161.70	2220.30	2016-17	
18	Rangit-IV	Sikkim	3x40	22.11.07	120.00	726.16	563.20	162.96	2018-19	Exp. upto Sep-13
19	Bhasmey	Sikkim	3x17	12.04.10	51.00	408.50	162.40	246.10	2019-20	Exp. upto Apr-12
20	Tashiding	Sikkim	2x48.5	28.03.11	97.00	469.95	N.A.	-	2016-17	Exp. Not Available
21	Dikchu	Sikkim	3x32	22.03.11	96.00	639.57	99.38	540.19	2016-17	Exp. upto Nov-11
22	Rangit-II	Sikkim	2x33	24.10.11	66.00	498.00	N.A.	-	2019-20	Exp. Not Available
23	Rongnichu	Sikkim	2x48	07.04.10	96.00	491.32	N.A.	-	2019-20	Exp. Not Available
24	Pulichintala	Telangana	4x30	01.08.07	120.00	563.49	374.26	189.23	2016-17	
2b	Lower Jurala	Telangana	6x40	10.02.08	120.00	1969.14	1572.82	396.32	2015-17	Three units comnd.
25	Tehri PSS (THDC)	Uttarakhand	4x250	23.06.11	1000.00	2978.86	1180.43	1798.43	2019-20	
26	Phata Byung	Uttarakhand	2x38	06.10.08	76.00	520.00	518.24	1.76	2017-18	Exp. upto Jun-13
27	Singoli Bhatwari	Uttarakhand	3x33	10.07.08	99.00	666.47	737.42	-	2020-21	Cost under revision
Sub- total: (Under Construction- taken in 11th Plan)					4427.00	34869.18		9576.45		
Sub- total: (taken in 11th Plan)					5093.00					
Undertaken in 12th Plan										
1	Polavaram (PPA)	A.P.	12x80	02.03.13	960.00	16010.45	5506.86	10503.59	2021-22	
2	Gongri	Ar. Pr.	2x72	19.05.14	144.00	1436.27	468.86	967.41	2020-21	
3	Shongtong Karcham	H.P.	3x150	16.08.12	450.00	3316.35	270.93	3045.42	2018-19	
4	Bajoli Holi	H.P.	3x60	29.05.13	180.00	1696.93	388.30	1308.63	2019-20	Exp. upto Dec-14
5	Ratle	J&K	4x205+1x30	04.07.13	850.00	5517.02	373.80	5143.22	2021-22	Exp. upto Mar-13
6	Shahpurkandi	Punjab	3x33+3x33+1x8	11.02.13	206.00	2285.81	513.50	1772.31	2019-20	
7	Panan	Sikkim	4x75	22.02.14	300.00	1833.05	141.35	1691.70	2020-21	
8	Lata Tapovan (NTPC)	Uttarakhand	3x57	17.08.12	171.00	1527.00	139.00	1388.00	2021-22	
9	Vishnugad Pipalkoti (THDC)	Uttarakhand	4x111	17.01.14	444.00	2491.58	592.39	1899.19	2019-20	
10	Vyasi	Uttarakhand	2x60	10.12.13	120.00	936.23	87.64	848.59	2018-19	
11	Rammam-III (NTPC)	West Bengal	3x40	10.09.14	120.00	1381.84	108.00	1273.84	2019-20	
Sub- total: (Under Construction- taken in 12th plan)					3945.00	38432.53		29841.90		
Total:					9038.00	73301.71		39418.35		

Note: Expenditure figures are provisional (un-audited) and based on the information received from project authorities on their physical progress reports.

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO.1354 ANSWERED IN THE LOK SABHA ON 03.03.2016.

Power Supply Position for 2007-08

State / System / Region	Energy				Peak			
	April, 2007 - March, 2008				April, 2007 - March, 2008			
	Requirement (MU)	Availability (MU)	Surplus/Deficit (-) (MU)	(%)	Peak Demand (MW)	Peak Met (MW)	Surplus/Deficit (-) (MW)	(%)
Chandigarh	1,446	1,446	0	0	275	275	0	0
Delhi	22,439	22,301	-138	-0.6	4,075	4,030	-45	-1.1
Haryana	29,353	25,652	-3,701	-12.6	4,956	4,821	-135	-2.7
Himachal Pradesh	5,992	5,814	-178	-3.0	1,061	1,010	-51	-4.8
Jammu & Kashmir	11,782	8,362	-3,420	-29.0	1,950	1,439	-511	-26.2
Punjab	42,372	38,795	-3,577	-8.4	8,672	7,340	-1,332	-15.4
Rajasthan	36,738	35,597	-1,141	-3.1	6,374	5,564	-810	-12.7
Uttar Pradesh	62,628	51,335	-11,293	-18.0	11,104	8,568	-2,536	-22.8
Uttarakhand	7,047	6,845	-202	-2.9	1,200	1,150	-50	-4.2
Northern Region	2,19,797	1,96,147	-23,650	-10.8	32,462	29,495	-2,967	-9.1
Chhattisgarh	14,079	13,409	-670	-4.8	2,421	2,188	-233	-9.6
Gujarat	68,747	57,614	-11,133	-16.2	12,119	8,885	-3,234	-26.7
Madhya Pradesh	41,560	35,700	-5,860	-14.1	7,200	6,436	-764	-10.6
Maharashtra	1,14,885	93,846	-21,039	-18.3	18,441	13,575	-4,866	-26.4
Daman & Diu	1,774	1,580	-194	-10.9	240	215	-25	-10.4
Dadar Nagar Haveli	3,388	3,372	-16	-0.5	460	424	-36	-7.8
Goa	2,740	2,707	-33	-1.2	457	408	-49	-10.7
Western Region	2,47,173	2,08,228	-38,945	-15.8	38,277	29,385	-8,892	-23.2
Andhra Pradesh	64,139	61,511	-2,628	-4.1	10,048	9,162	-886	-8.8
Karnataka	40,320	39,230	-1,090	-2.7	6,583	5,567	-1,016	-15.4
Kerala	15,663	15,284	-379	-2.4	2,918	2,730	-188	-6.4
Tamil Nadu	65,780	63,954	-1,826	-2.8	10,334	8,690	-1,644	-15.9
Pondicherry	1,841	1,841	0	0.0	276	276	0	0.0
Lakshadweep	24	24	0	0	6	6	0	0
Southern Region	1,87,743	1,81,820	-5,923	-3.2	26,777	24,368	-2,409	-9.0
Bihar	9,155	7,933	-1,222	-13.3	1,882	1,243	-639	-34.0
DVC	13,387	13,039	-348	-2.6	1,852	1,803	-49	-2.6
Jharkhand	5,139	4,458	-681	-13.3	865	787	-78	-9.0
Orissa	18,846	18,500	-346	-1.8	3,142	2,905	-237	-7.5
West Bengal	29,020	27,902	-1,118	-3.9	5,283	4,987	-296	-5.6
Sikkim	284	267	-17	-6.0	69	66	-3	-4.3
Andaman- Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	75,831	72,099	-3,732	-4.9	12,031	10,699	-1,332	-11.1
Arunachal Pradesh	391	302	-89	-22.8	101	75	-26	-25.7
Assam	4,816	4,412	-404	-8.4	848	766	-82	-9.7
Manipur	530	501	-29	-5.5	119	97	-22	-18.5
Meghalaya	1,620	1,232	-388	-24.0	455	279	-176	-38.7
Mizoram	288	246	-42	-14.6	97	58	-39	-40.2
Nagaland	377	334	-43	-11.4	91	88	-3	-3.3
Tripura	777	686	-91	-11.7	171	141	-30	-17.5
North-Eastern Region	8,799	7,713	-1,086	-12.3	1,742	1,347	-395	-22.7
All India	7,39,343	6,66,007	-73,336	-9.9	1,08,866	90,793	-18,073	-16.6

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

Power Supply Position for 2008-09

State / System / Region	Energy				Peak			
	April, 2008 - March, 2009				April, 2008 - March, 2009			
	Requirement (MU)	Availability (MU)	Surplus/Deficit (-) (MU) (%)		Peak Demand (MW)	Peak Met (MW)	Surplus / Deficit (-) (MW) (%)	
Chandigarh	1,414	1,414	0	0	279	279	0	0
Delhi	22,398	22,273	-125	-0.6	4,036	4,034	-2	0.0
Haryana	29,085	26,625	-2,460	-8.5	5,511	4,791	-720	-13.1
Himachal Pradesh	6,260	6,241	-19	-0.3	1,055	1,014	-41	-3.9
Jammu & Kashmir	11,467	8,698	-2,769	-24.1	2,120	1,380	-740	-34.9
Punjab	41,635	37,238	-4,397	-10.6	8,690	7,309	-1,381	-15.9
Rajasthan	37,797	37,388	-409	-1.1	6,303	6,101	-202	-3.2
Uttar Pradesh	69,207	54,309	-14,898	-21.5	10,587	8,248	-2,339	-22.1
Uttarakhand	7,841	7,765	-76	-1.0	1,267	1,267	0	0.0
Northern Region	2,27,104	2,01,951	-25,153	-11.1	33,034	29,504	-3,530	-10.7
Chhattisgarh	14,866	14,475	-391	-2.6	2,887	2,830	-57	-2.0
Gujarat	67,482	60,851	-6,631	-9.8	11,841	8,960	-2,881	-24.3
Madhya Pradesh	42,054	34,841	-7,213	-17.2	7,564	6,810	-754	-10.0
Maharashtra	1,21,901	95,761	-26,140	-21.4	18,049	13,766	-4,283	-23.7
Daman & Diu	1,797	1,576	-221	-12.3	240	215	-25	-10.4
Dadar Nagar Haveli	3,574	3,457	-117	-3.3	504	443	-61	-12.1
Goa	2,801	2,754	-47	-1.7	466	413	-53	-11.4
Western Region	2,54,475	2,13,715	-40,760	-16.0	37,240	30,153	-7,087	-19.0
Andhra Pradesh	71,511	66,673	-4,838	-6.8	11,083	9,997	-1,086	-9.8
Karnataka	43,168	40,578	-2,590	-6.0	6,892	6,548	-344	-5.0
Kerala	17,645	15,562	-2,083	-11.8	3,188	2,751	-437	-13.7
Tamil Nadu	69,668	64,208	-5,460	-7.8	9,799	9,211	-588	-6.0
Pondicherry	2,020	1,773	-247	-12.2	304	275	-29	-9.5
Lakshadweep	24	24	0	0	6	6	0	0
Southern Region	2,04,012	1,88,794	-15,218	-7.5	28,958	26,245	-2,713	-9.4
Bihar	10,527	8,801	-1,726	-16.4	1,842	1,333	-509	-27.6
DVC	14,002	13,699	-303	-2.2	2,217	2,178	-39	-1.8
Jharkhand	5,361	5,110	-251	-4.7	889	887	-2	-0.2
Orissa	20,519	20,214	-305	-1.5	3,062	2,987	-75	-2.4
West Bengal	31,289	30,290	-999	-3.2	5,387	5,379	-8	-0.1
Sikkim	343	330	-13	-3.8	97	95	-2	-2.1
Andaman- Nicobar	236	184	-52	-22	40	38	-2	-5
Eastern Region	82,041	78,444	-3,597	-4.4	12,901	11,789	-1,112	-8.6
Arunachal Pradesh	426	271	-155	-36.4	130	79	-51	-39.2
Assam	5,107	4,567	-540	-10.6	958	797	-161	-16.8
Manipur	556	477	-79	-14.2	128	95	-33	-25.8
Meghalaya	1,713	1,386	-327	-19.1	457	293	-164	-35.9
Mizoram	330	269	-61	-18.5	100	64	-36	-36.0
Nagaland	475	436	-39	-8.2	95	86	-9	-9.5
Tripura	800	728	-72	-9.0	167	156	-11	-6.6
North-Eastern Region	9,407	8,134	-1,273	-13.5	1,820	1,358	-462	-25.4
All India	7,77,039	6,91,038	-86,001	-11.1	1,09,809	96,785	-13,024	-11.9

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

Power Supply Position for 2009-10

State / System / Region	Energy				Peak			
	April, 2009 - March, 2010				April, 2009 - March, 2010			
	Requirement (MU)	Availability (MU)	Surplus/Deficit (-)		Peak Demand (MW)	Peak Met (MW)	Surplus / Deficit (-)	
		(MU)	(%)			(MW)	(%)	
Chandigarh	1,576	1,528	-48	-3	308	308	0	0
Delhi	24,277	24,094	-183	-0.8	4,502	4,408	-94	-2.1
Haryana	33,441	32,023	-1,418	-4.2	6,133	5,678	-455	-7.4
Himachal Pradesh	7,047	6,769	-278	-3.9	1,118	1,158	40	3.6
Jammu & Kashmir	13,200	9,933	-3,267	-24.8	2,247	1,487	-760	-33.8
Punjab	45,731	39,408	-6,323	-13.8	9,786	7,407	-2,379	-24.3
Rajasthan	44,109	43,062	-1,047	-2.4	6,859	6,859	0	0.0
Uttar Pradesh	75,930	59,508	-16,422	-21.6	10,856	8,563	-2,293	-21.1
Uttarakhand	8,921	8,338	-583	-6.5	1,397	1,313	-84	-6.0
Northern Region	2,54,231	2,24,661	-29,570	-11.6	37,159	31,439	-5,720	-15.4
Chhattisgarh	11,009	10,739	-270	-2.5	2,819	2,703	-116	-4.1
Gujarat	70,369	67,220	-3,149	-4.5	10,406	9,515	-891	-8.6
Madhya Pradesh	43,179	34,973	-8,206	-19.0	7,490	6,415	-1,075	-14.4
Maharashtra	1,24,936	1,01,512	-23,424	-18.7	19,388	14,664	-4,724	-24.4
Daman & Diu	1,934	1,802	-132	-6.8	280	255	-25	-8.9
Dadar Nagar Haveli	4,007	3,853	-154	-3.8	529	494	-35	-6.6
Goa	3,092	3,026	-66	-2.1	485	453	-32	-6.6
Western Region	2,58,528	2,23,127	-35,401	-13.7	39,609	32,586	-7,023	-17.7
Andhra Pradesh	78,996	73,765	-5,231	-6.6	12,168	10,880	-1,288	-10.6
Karnataka	45,550	42,041	-3,509	-7.7	7,942	6,897	-1,045	-13.2
Kerala	17,619	17,196	-423	-2.4	3,109	2,982	-127	-4.1
Tamil Nadu	76,293	71,568	-4,725	-6.2	11,125	9,813	-1,312	-11.8
Pondicherry	2,119	1,975	-144	-6.8	327	294	-33	-10.1
Lakshadweep	24	24	0	0	6	6	0	0
Southern Region	2,20,576	2,06,544	-14,032	-6.4	32,178	29,049	-3,129	-9.7
Bihar	11,587	9,914	-1,673	-14.4	2,249	1,509	-740	-32.9
DVC	15,199	14,577	-622	-4.1	1,938	1,910	-28	-1.4
Jharkhand	5,867	5,407	-460	-7.8	1,088	947	-141	-13.0
Orissa	21,136	20,955	-181	-0.9	3,188	3,120	-68	-2.1
West Bengal	33,750	32,819	-931	-2.8	6,094	5,963	-131	-2.1
Sikkim	388	345	-43	-11.1	96	94	-2	-2.1
Andaman- Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	87,927	84,017	-3,910	-4.4	13,220	12,384	-836	-6.3
Arunachal Pradesh	399	325	-74	-18.5	95	78	-17	-17.9
Assam	5,122	4,688	-434	-8.5	920	874	-46	-5.0
Manipur	524	430	-94	-17.9	111	99	-12	-10.8
Meghalaya	1,550	1,327	-223	-14.4	280	250	-30	-10.7
Mizoram	352	288	-64	-18.2	70	64	-6	-8.6
Nagaland	530	466	-64	-12.1	100	96	-4	-4.0
Tripura	855	771	-84	-9.8	176	173	-3	-1.7
North-Eastern Region	9,332	8,296	-1,036	-11.1	1,760	1,445	-315	-17.9
All India	8,30,594	7,46,644	-83,950	-10.1	1,19,166	1,04,009	-15,157	-12.7

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Power Supply Position for 2010-11

State / System / Region	Energy				Peak			
	April, 2010 - March, 2011				April, 2010 - March, 2011			
	Requirement (MU)	Availability (MU)	Surplus/Deficit(-) (MU) (%)		Peak Demand (MW)	Peak Met (MW)	Surplus / Deficit (-) (MW) (%)	
Chandigarh	1,519	1,519	0	0	301	301	0	0
Delhi	25,625	25,559	-66	-0.3	4,810	4,739	-71	-1.5
Haryana	34,552	32,626	-1,926	-5.6	6,142	5,574	-568	-9.2
Himachal Pradesh	7,626	7,364	-262	-3.4	1,278	1,187	-91	-7.1
Jammu & Kashmir	13,571	10,181	-3,390	-25.0	2,369	1,571	-798	-33.7
Punjab	44,484	41,799	-2,685	-6.0	9,399	7,938	-1,461	-15.5
Rajasthan	45,261	44,836	-425	-0.9	7,729	7,442	-287	-3.7
Uttar Pradesh	76,292	64,846	-11,446	-15.0	11,082	10,672	-410	-3.7
Uttarakhand	9,850	9,255	-595	-6.0	1,520	1,520	0	0.0
Northern Region	2,58,780	2,37,985	-20,795	-8.0	37,431	34,101	-3,330	-8.9
Chhattisgarh	10,340	10,165	-175	-1.7	3,148	2,838	-310	-9.8
Gujarat	71,651	67,534	-4,117	-5.7	10,786	9,947	-839	-7.8
Madhya Pradesh	48,437	38,644	-9,793	-20.2	8,864	8,093	-771	-8.7
Maharashtra	1,28,296	1,07,018	-21,278	-16.6	19,766	16,192	-3,574	-18.1
Daman & Diu	2,181	1,997	-184	-8.4	353	328	-25	-7.1
Dadar Nagar Haveli	4,429	4,424	-5	-0.1	594	594	0	0.0
Goa	3,154	3,089	-65	-2.1	544	467	-77	-14.2
Western Region	2,68,488	2,32,871	-35,617	-13.3	40,798	34,819	-5,979	-14.7
Andhra Pradesh	78,970	76,450	-2,520	-3.2	12,630	11,829	-801	-6.3
Karnataka	50,474	46,624	-3,850	-7.6	8,430	7,815	-615	-7.3
Kerala	18,023	17,767	-256	-1.4	3,295	3,103	-192	-5.8
Tamil Nadu	80,314	75,101	-5,213	-6.5	11,728	10,436	-1,292	-11.0
Pondicherry	2,123	2,039	-84	-4.0	319	302	-17	-5.3
Lakshadweep	25	25	0	0	7	7	0	0
Southern Region	2,29,904	2,17,981	-11,923	-5.2	33,256	31,121	-2,135	-6.4
Bihar	12,384	10,772	-1,612	-13.0	2,140	1,659	-481	-22.5
DVC	16,590	15,071	-1,519	-9.2	2,059	2,046	-13	-0.6
Jharkhand	6,195	5,985	-210	-3.4	1,108	1,052	-56	-5.1
Orissa	22,506	22,449	-57	-0.3	3,872	3,792	-80	-2.1
West Bengal	36,481	35,847	-634	-1.7	6,162	6,112	-50	-0.8
Sikkim	402	402	0	0.0	106	104	-2	-1.9
Andaman- Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	94,558	90,526	-4,032	-4.3	13,767	13,085	-682	-5.0
Arunachal Pradesh	511	436	-75	-14.7	101	85	-16	-15.8
Assam	5,403	5,063	-340	-6.3	971	937	-34	-3.5
Manipur	568	505	-63	-11.1	118	115	-3	-2.5
Meghalaya	1,545	1,352	-193	-12.5	294	284	-10	-3.4
Mizoram	369	315	-54	-14.6	76	70	-6	-7.9
Nagaland	583	520	-63	-10.8	118	110	-8	-6.8
Tripura	882	801	-81	-9.2	220	197	-23	-10.5
North-Eastern Region	9,861	8,992	-869	-8.8	1,913	1,560	-353	-18.5
All India	8,61,591	7,88,355	-73,236	-8.5	1,22,287	1,10,256	-12,031	-9.8

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Note : Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Power Supply Position for 2011-12

State / System / Region	Energy				Peak			
	April, 2011 - March, 2012				April, 2011 - March, 2012			
	Requirement (MU)	Availability (MU)	Surplus/Deficit (-) (MU) (%)		Peak Demand (MW)	Peak Met (MW)	Surplus / Deficit (-) (MW) (%)	
Chandigarh	1,568	1,564	-4	0	263	263	0	0
Delhi	26,751	26,674	-77	-0.3	5,031	5,028	-3	-0.1
Haryana	36,874	35,541	-1,333	-3.6	6,533	6,259	-274	-4.2
Himachal Pradesh	8,161	8,107	-54	-0.7	1,397	1,298	-99	-7.1
Jammu & Kashmir	14,250	10,889	-3,361	-23.6	2,385	1,789	-596	-25.0
Punjab	45,191	43,792	-1,399	-3.1	10,471	8,701	-1,770	-16.9
Rajasthan	51,474	49,491	-1,983	-3.9	8,188	7,605	-583	-7.1
Uttar Pradesh	81,339	72,116	-9,223	-11.3	12,038	11,767	-271	-2.3
Uttarakhand	10,513	10,208	-305	-2.9	1,612	1,600	-12	-0.7
Northern Region	2,76,121	2,58,382	-17,739	-6.4	40,248	37,117	-3,131	-7.8
Chhattisgarh	15,013	14,615	-398	-2.7	3,239	3,093	-146	-4.5
Gujarat	74,696	74,429	-267	-0.4	10,951	10,759	-192	-1.8
Madhya Pradesh	49,785	41,392	-8,393	-16.9	9,151	8,505	-646	-7.1
Maharashtra	1,41,382	1,17,722	-23,660	-16.7	21,069	16,417	-4,652	-22.1
Daman & Diu	2,141	1,915	-226	-10.6	301	276	-25	-8.3
Dadar Nagar Haveli	4,380	4,349	-31	-0.7	615	605	-10	-1.6
Goa	3,024	2,981	-43	-1.4	527	471	-56	-10.6
Western Region	2,90,421	2,57,403	-33,018	-11.4	42,352	36,509	-5,843	-13.8
Andhra Pradesh	91,730	85,149	-6,581	-7.2	14,054	11,972	-2,082	-14.8
Karnataka	60,830	54,023	-6,807	-11.2	10,545	8,549	-1,996	-18.9
Kerala	19,890	19,467	-423	-2.1	3,516	3,337	-179	-5.1
Tamil Nadu	85,685	76,705	-8,980	-10.5	12,813	10,566	-2,247	-17.5
Pondicherry	2,167	2,136	-31	-1.4	335	320	-15	-4.5
Lakshadweep	37	37	0	0	8	8	0	0
Southern Region	2,60,302	2,37,480	-22,822	-8.8	37,599	32,188	-5,411	-14.4
Bihar	14,311	11,260	-3,051	-21.3	2,031	1,738	-293	-14.4
DVC	16,648	16,009	-639	-3.8	2,318	2,074	-244	-10.5
Jharkhand	6,280	6,030	-250	-4.0	1,030	868	-162	-15.7
Orissa	23,036	22,693	-343	-1.5	3,589	3,526	-63	-1.8
West Bengal	38,679	38,281	-398	-1.0	6,592	6,532	-60	-0.9
Sikkim	390	384	-6	-1.5	100	95	-5	-5.0
Andaman- Nicobar	244	204	-40	-16	48	48	0	0
Eastern Region	99,344	94,657	-4,687	-4.7	14,707	13,999	-708	-4.8
Arunachal Pradesh	600	553	-47	-7.8	121	118	-3	-2.5
Assam	6,034	5,696	-338	-5.6	1,112	1,053	-59	-5.3
Manipur	544	499	-45	-8.3	116	115	-1	-0.9
Meghalaya	1,927	1,450	-477	-24.8	319	267	-52	-16.3
Mizoram	397	355	-42	-10.6	82	78	-4	-4.9
Nagaland	560	511	-49	-8.8	111	105	-6	-5.4
Tripura	949	900	-49	-5.2	215	214	-1	-0.5
North-Eastern Region	11,011	9,964	-1,047	-9.5	1,920	1,782	-138	-7.2
All India	9,37,199	8,57,886	-79,313	-8.5	1,30,006	1,16,191	-13,815	-10.6

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Note : Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Power Supply Position for 2012-13

State / System / Region	Energy				Peak			
	April, 2012 - March, 2013				April, 2012 - March, 2013			
	Requirement (MU)	Availability (MU)	Surplus/Deficit (-) (MU) (%)		Peak Demand (MW)	Peak Met (MW)	Surplus / Deficit(-) (MW) (%)	
Chandigarh	1,637	1,637	0	0	340	340	0	0
Delhi	26,088	25,950	-138	-0.5	5,942	5,642	-300	-5.0
Haryana	41,407	38,209	-3,198	-7.7	7,432	6,725	-707	-9.5
Himachal Pradesh	8,992	8,744	-248	-2.8	2,116	1,672	-444	-21.0
Jammu & Kashmir	15,410	11,558	-3,852	-25.0	2,422	1,817	-605	-25.0
Punjab	48,724	46,119	-2,605	-5.3	11,520	8,751	-2,769	-24.0
Rajasthan	55,538	53,868	-1,670	-3.0	8,940	8,515	-425	-4.8
Uttar Pradesh	91,647	76,446	-15,201	-16.6	13,940	12,048	-1,892	-13.6
Uttarakhand	11,331	10,709	-622	-5.5	1,759	1,674	-85	-4.8
Northern Region	3,00,774	2,73,240	-27,534	-9.2	45,860	41,790	-4,070	-8.9
Chhattisgarh	17,302	17,003	-299	-1.7	3,271	3,134	-137	-4.2
Gujarat	93,662	93,513	-149	-0.2	11,999	11,960	-39	-0.3
Madhya Pradesh	49,226	44,272	-4,954	-10.1	10,077	9,462	-615	-6.1
Maharashtra	1,23,984	1,19,972	-4,012	-3.2	17,934	16,765	-1,169	-6.5
Daman & Diu	1,991	1,860	-131	-6.6	311	286	-25	-8.0
Dadar Nagar Haveli	4,572	4,399	-173	-3.8	629	629	0	0.0
Goa	3,181	3,107	-74	-2.3	524	475	-49	-9.4
Western Region	2,93,918	2,84,126	-9,792	-3.3	40,075	39,486	-589	-1.5
Andhra Pradesh	99,692	82,171	-17,521	-17.6	14,582	11,630	-2,952	-20.2
Karnataka	66,274	57,044	-9,230	-13.9	10,124	8,761	-1,363	-13.5
Kerala	21,243	20,391	-852	-4.0	3,578	3,262	-316	-8.8
Tamil Nadu	92,302	76,161	-16,141	-17.5	12,736	11,053	-1,683	-13.2
Pondicherry	2,331	2,291	-40	-1.7	348	320	-28	-8.0
Lakshadweep	36	36	0	0	8	8	0	0
Southern Region	2,81,842	2,38,058	-43,784	-15.5	38,767	31,586	-7,181	-18.5
Bihar	15,409	12,835	-2,574	-16.7	2,295	1,784	-511	-22.3
DVC	17,299	16,339	-960	-5.5	2,573	2,469	-104	-4.0
Jharkhand	7,042	6,765	-277	-3.9	1,263	1,172	-91	-7.2
Orissa	25,155	24,320	-835	-3.3	3,968	3,694	-274	-6.9
West Bengal	42,143	41,842	-301	-0.7	7,322	7,249	-73	-1.0
Sikkim	409	409	0	0.0	95	95	0	0.0
Andaman- Nicobar	241	186	-55	-23	48	48	0	0
Eastern Region	1,07,457	1,02,510	-4,947	-4.6	16,655	15,415	-1,240	-7.4
Arunachal Pradesh	589	554	-35	-5.9	116	114	-2	-1.7
Assam	6,495	6,048	-447	-6.9	1,197	1,148	-49	-4.1
Manipur	574	543	-31	-5.4	122	120	-2	-1.6
Meghalaya	1,828	1,607	-221	-12.1	334	330	-4	-1.2
Mizoram	406	378	-28	-6.9	75	73	-2	-2.7
Nagaland	567	535	-32	-5.6	110	109	-1	-0.9
Tripura	1,108	1,054	-54	-4.9	229	228	-1	-0.4
North-Eastern Region	11,566	10,718	-848	-7.3	1,998	1,864	-134	-6.7
All India	9,95,557	9,08,652	-86,905	-8.7	1,35,453	1,23,294	-12,159	-9.0

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

Note : Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Power Supply Position for 2013-14

State / System / Region	Energy				Peak			
	April, 2013 - March, 2014				April, 2013 - March, 2014			
	Requirement (MU)	Availability (MU)	Surplus / Deficit (-) (MU) (%)		Peak Demand (MW)	Peak Met (MW)	Surplus / Deficit (-) (MW) (%)	
Chandigarh	1,574	1,574	0	0	345	345	0	0
Delhi	26,867	26,791	-76	-0.3	6,035	5,653	-382	-6.3
Haryana	43,463	43,213	-250	-0.6	8,114	8,114	0	0.0
Himachal Pradesh	9,089	8,883	-206	-2.3	1,561	1,392	-169	-10.8
Jammu & Kashmir	15,613	12,187	-3,426	-21.9	2,500	1,998	-502	-20.1
Punjab	47,821	47,084	-737	-1.5	10,089	8,733	-1,356	-13.4
Rajasthan	58,202	58,042	-160	-0.3	10,047	10,038	-9	-0.1
Uttar Pradesh	94,890	81,613	-13,277	-14.0	13,089	12,327	-762	-5.8
Uttarakhand	11,944	11,493	-451	-3.8	1,826	1,826	0	0.0
Northern Region	3,09,463	2,90,880	-18,583	-6.0	45,934	42,774	-3,160	-6.9
Chhattisgarh	18,932	18,800	-132	-0.7	3,365	3,320	-45	-1.3
Gujarat	88,497	88,488	-9	0.0	12,201	12,201	0	0.0
Madhya Pradesh	49,410	49,385	-25	-0.1	9,716	9,716	0	0.0
Maharashtra	1,26,288	1,23,672	-2,616	-2.1	19,276	17,621	-1,655	-8.6
Daman & Diu	2,252	2,252	0	0.0	322	297	-25	-7.8
Dadar Nagar Haveli	5,390	5,388	-2	0.0	661	661	0	0.0
Goa	3,890	3,871	-19	-0.5	529	529	0	0.0
Western Region	2,94,659	2,91,856	-2,803	-1.0	41,335	40,331	-1,004	-2.4
Andhra Pradesh	95,662	89,036	-6,626	-6.9	14,072	13,162	-910	-6.5
Karnataka	64,150	58,052	-6,098	-9.5	9,940	9,223	-717	-7.2
Kerala	21,577	21,052	-525	-2.4	3,671	3,573	-98	-2.7
Tamil Nadu	93,508	87,980	-5,528	-5.9	13,522	12,492	-1,030	-7.6
Pondicherry	2,344	2,320	-24	-1.0	351	333	-18	-5.1
Lakshadweep	48	48	0	0	9	9	0	0
Southern Region	2,77,245	2,58,444	-18,801	-6.8	39,015	36,048	-2,967	-7.6
Bihar	15,391	14,759	-632	-4.1	2,465	2,312	-153	-6.2
DVC	17,407	17,296	-111	-0.6	2,745	2,745	0	0.0
Jharkhand	7,143	7,007	-136	-1.9	1,111	1,069	-42	-3.8
Orissa	24,958	24,546	-412	-1.7	3,727	3,722	-5	-0.1
West Bengal	42,891	42,762	-129	-0.3	7,325	7,294	-31	-0.4
Sikkim	413	413	0	0.0	90	90	0	0.0
Andaman- Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	1,08,203	1,06,783	-1,420	-1.3	15,888	15,598	-290	-1.8
Arunachal Pradesh	552	517	-35	-6.3	125	124	-1	-0.8
Assam	7,544	7,062	-482	-6.4	1,329	1,220	-109	-8.2
Manipur	579	548	-31	-5.4	134	133	-1	-0.7
Meghalaya	1,794	1,604	-190	-10.6	343	330	-13	-3.8
Mizoram	446	430	-16	-3.6	84	82	-2	-2.4
Nagaland	577	561	-16	-2.8	109	106	-3	-2.8
Tripura	1,195	1,144	-51	-4.3	254	250	-4	-1.6
North-Eastern Region	12,687	11,866	-821	-6.5	2,164	2,048	-116	-5.4
All India	10,02,257	9,59,829	-42,428	-4.2	1,35,918	1,29,815	-6,103	-4.5
# Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and availability								
Note : Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.								

Power Supply Position for 2014-15

State / System / Region	Energy				Peak			
	April, 2014 - March, 2015				April, 2014 - March, 2015			
	Requirement (MU)	Availability (MU)	Surplus/Deficit (-)		Peak Demand (MW)	Peak Met (MW)	Surplus / Deficit (-)	
		(MU)	(%)			(MW)	(%)	
Chandigarh	1,616	1,616	0	0	367	367	0	0
Delhi	29,231	29,106	-125	-0.4	6,006	5,925	-81	-1.3
Haryana	46,615	46,432	-183	-0.4	9,152	9,152	0	0.0
Himachal Pradesh	8,807	8,728	-79	-0.9	1,422	1,422	0	0.0
Jammu & Kashmir	16,214	13,119	-3,095	-19.1	2,554	2,043	-511	-20.0
Punjab	48,629	48,144	-485	-1.0	11,534	10,023	-1,511	-13.1
Rajasthan	65,717	65,310	-407	-0.6	10,642	10,642	0	0.0
Uttar Pradesh	1,03,179	87,062	-16,117	-15.6	15,670	13,003	-2,667	-17.0
Uttarakhand	12,445	12,072	-373	-3.0	1,930	1,930	0	0.0
Northern Region	3,32,453	3,11,589	-20,864	-6.3	51,977	47,642	-4,335	-8.3
Chhattisgarh	21,499	21,230	-269	-1.3	3,817	3,638	-179	-4.7
Gujarat	96,235	96,211	-24	0.0	13,603	13,499	-104	-0.8
Madhya Pradesh	53,374	53,082	-292	-0.5	9,755	9,717	-38	-0.4
Maharashtra	1,34,897	1,33,078	-1,819	-1.3	20,147	19,804	-343	-1.7
Daman & Diu	2,086	2,086	0	0.0	301	301	0	0.0
Dadar Nagar Haveli	5,307	5,304	-3	-0.1	714	714	0	0.0
Goa	3,969	3,932	-37	-0.9	501	489	-12	-2.4
Western Region	3,17,367	3,14,923	-2,444	-0.8	44,166	43,145	-1,021	-2.3
Andhra Pradesh	59,198	56,313	-2,885	-4.9	7,144	6,784	-360	-5.0
Telangana	43,337	40,644	-2,693	-6.2	7,884	6,755	-1,129	-14.3
Karnataka	62,643	59,926	-2,717	-4.3	10,001	9,549	-452	-4.5
Kerala	22,459	22,127	-332	-1.5	3,760	3,594	-166	-4.4
Tamil Nadu	95,758	92,750	-3,008	-3.1	13,707	13,498	-209	-1.5
Puducherry	2,402	2,376	-26	-1.1	389	348	-41	-10.5
Lakshadweep	48	48	0	0	8	8	0	0
Southern Region	2,85,797	2,74,136	-11,661	-4.1	39,094	37,047	-2,047	-5.2
Bihar	19,294	18,759	-535	-2.8	2,994	2,874	-120	-4.0
DVC	18,222	17,728	-494	-2.7	2,653	2,590	-63	-2.4
Jharkhand	7,599	7,390	-209	-2.8	1,075	1,055	-20	-1.9
Odisha	26,482	26,052	-430	-1.6	3,920	3,892	-28	-0.7
West Bengal	47,086	46,827	-259	-0.6	7,544	7,524	-20	-0.3
Sikkim	399	399	0	0.0	83	83	0	0.0
Andaman- Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	1,19,082	1,17,155	-1,927	-1.6	17,040	16,932	-108	-0.6
Arunachal Pradesh	677	610	-67	-9.9	139	126	-13	-9.4
Assam	8,527	7,926	-601	-7.0	1,450	1,257	-193	-13.3
Manipur	705	678	-27	-3.8	150	146	-4	-2.7
Meghalaya	1,930	1,634	-296	-15.3	370	367	-3	-0.8
Mizoram	455	425	-30	-6.6	90	88	-2	-2.2
Nagaland	688	661	-27	-3.9	140	128	-12	-8.6
Tripura	1,242	1,048	-194	-15.6	310	266	-44	-14.2
North-Eastern Region	14,224	12,982	-1,242	-8.7	2,528	2,202	-326	-12.9
All India	10,68,923	10,30,785	-38,138	-3.6	1,48,166	1,41,160	-7,006	-4.7

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

NOTE: Energy figures for Andhra Pradesh includes the figures of undivided Andhra Pradesh (including Telangana area) for the period Apr-May, 2014. Energy figures of Telangana are w.e.f. Jun 2014. Peak figures for Andhra Pradesh and Telangana are w.e.f. June, 2014. This is due to bifurcation of Andhra Pradesh into Andhra Pradesh and Telangana w.e.f. June, 2014.

Power Supply Position for 2015-16 (Provisional)

State / System / Region	Energy				Peak			
	April, 2015 - January,2016				April, 2015 - January,2016			
	Requirement (MU)	Availability (MU)	Surplus / Deficit(-) (MU) (%)		Peak Demand (MW)	Peak Met (MW)	Surplus/Deficit(-) (MW) (%)	
Chandigarh	1,404	1,404	0	0	342	342	0	0
Delhi	25,921	25,883	-38	-0.1	5,846	5,846	0	0.0
Haryana	40,826	40,757	-69	-0.2	9,113	9,113	0	0.0
Himachal Pradesh	7,373	7,313	-60	-0.8	1,488	1,488	0	0.0
Jammu & Kashmir	13,658	11,561	-2,097	-15.4	2,544	2,158	-386	-15.2
Punjab	43,819	43,807	-12	0.0	10,852	10,852	0	0.0
Rajasthan	55,913	55,709	-204	-0.4	10,961	10,961	0	0.0
Uttar Pradesh	90,128	78,654	-11,474	-12.7	16,988	14,503	-2,485	-14.6
Uttarakhand	10,894	10,686	-208	-1.9	2,034	2,034	0	0.0
Northern Region	2,89,936	2,75,774	-14,162	-4.9	54,474	50,622	-3,852	-7.1
Chattisgarh	21,253	20,934	-319	-1.5	3,929	3,757	-172	-4.4
Gujarat	86,332	86,328	-4	0.0	14,495	14,448	-47	-0.3
Madhya Pradesh	51,287	51,287	0	0.0	10,902	10,902	0	0.0
Maharashtra	1,17,578	1,17,125	-453	-0.4	20,973	20,594	-379	-1.8
Daman & Diu	1,943	1,943	0	0.0	307	307	0	0.0
Dadar Nagar Haveli	4,914	4,914	0	0.0	740	740	0	0.0
Goa	4,284	4,283	-1	0.0	583	552	-31	-5.3
Western Region	2,87,591	2,86,814	-777	-0.3	48,640	48,199	-441	-0.9
Andhra Pradesh	41,269	41,199	-70	-0.2	7,032	6,913	-119	-1.7
Telangana	41,469	41,163	-306	-0.7	6,854	6,849	-5	-0.1
Karnataka	52,242	49,406	-2,836	-5.4	9,715	9,335	-380	-3.9
Kerala	19,022	18,907	-115	-0.6	3,762	3,632	-130	-3.5
Tamil Nadu	79,523	78,835	-688	-0.9	13,580	13,505	-75	-0.6
Puducherry	2,011	2,003	-8	-0.4	368	350	-18	-4.9
Lakshadweep	40	40	0	0	8	8	0	0
Southern Region	2,35,536	2,31,513	-4,023	-1.7	37,801	36,786	-1,015	-2.7
Bihar	19,961	19,707	-254	-1.3	3,735	3,484	-251	-6.7
DVC	15,455	15,316	-139	-0.9	2,814	2,794	-20	-0.7
Jharkhand	6,363	6,277	-86	-1.4	1,151	1,127	-24	-2.1
Odisha	22,121	21,959	-162	-0.7	4,015	4,015	0	0.0
West Bengal	39,289	39,156	-133	-0.3	7,905	7,885	-20	-0.3
Sikkim	333	333	0	0.0	109	109	0	0.0
Andaman- Nicobar	200	150	-50	-25	40	32	-8	-20
Eastern Region	1,03,522	1,02,748	-774	-0.7	18,076	17,972	-104	-0.6
Arunachal Pradesh	505	472	-33	-6.5	138	132	-6	-4.3
Assam	7,432	6,986	-446	-6.0	1,491	1,378	-113	-7.6
Manipur	700	673	-27	-3.9	168	167	-1	-0.6
Meghalaya	1,534	1,426	-108	-7.0	400	377	-23	-5.8
Mizoram	387	373	-14	-3.6	102	101	-1	-1.0
Nagaland	632	618	-14	-2.2	140	138	-2	-1.4
Tripura	991	939	-52	-5.2	300	269	-31	-10.3
North-Eastern Region	12,180	11,485	-695	-5.7	2,573	2,356	-217	-8.4
All India	9,28,765	9,08,334	-20,431	-2.2	1,53,366	1,48,463	-4,903	-3.2

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

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO.1354 ANSWERED IN THE LOK SABHA ON 03.03.2016.

State wise year wise Target set vs Achievement for 11 th Planned 12 th Plan (up to Jan 2016)																						
Region	State	Monitored Capacity as on 31.01.2016 MW	Target 2015-16 (MU)	2015-16 (up to Jan 16)*		2014-15		2013-14		2012-13		2011-12		2010-11		2009-10		2008-09		2007-08		
				Target (MU)	Achievement (MU)	Target (MU)	Achievement (MU)	Target (MU)	Achievement (MU)	Target (MU)	Achievement (MU)	Target (MU)	Achievement (MU)	Target (MU)	Achievement (MU)	Target (MU)	Achievement (MU)	Target (MU)	Achievement (MU)	Target (MU)	Achievement (MU)	Target (MU)
NR	BBMB	2884.3	9076	7986	10385.59	9275	10599.78	9665	12125.01	10023	10944.67	10023.02	12459.46	9275	11273.43	10500	9371.32	10083	11109.07	10150	10959.91	
	DELHI	3048.4	9700	8065	5476.23	9050	8722.83	9832	8637.67	10749	10740.93	11234	9970.69	12374.7	9130	10920	10152.83	10978	11017.81	11050	10935.47	
	HARYANA	6411.59	27672	22982	19129.15	29628	28748.61	36531	26374.22	30182	25416.04	23849	24046.48	21213.78	18854.83	17302.22	18390.37	17991	16167.03	13892	13601.72	
	HIMACHAL PRADESH	6597.02	23676	21954	25540.78	22667	23319.13	21612	21680.66	20657	20331.49	15710.02	19160.61	14496	15388.6	14168	14452.32	14006	14466.53	14129	13945.43	
	JAMMU AND KASHMIR	3294	13324	11643	13333.85	12597	14485.02	12927	12426.79	12436	12485.81	11649.02	12284.48	11044	12432.18	10897	11434.9	9841	9871.27	8451	8919.59	
	PUNJAB	6391	30519	25459	20729.12	26848	22960.9	23517	20731.49	22638	21938.16	22057	23695.28	21824	22515.64	21861	23794.98	22021	22294.15	19481	21059.25	
	RAJASTHAN	10454.13	60871	50043	44492.55	49191	54185.92	42243	45851.36	41766	42365.83	37796.02	41327.14	39291.68	35250.88	34387.47	29394	30391	26960.36	28838	26854.63	
	UTTAR PRADESH	20337.74	119050	98604	92878.02	114659	111901.7	111686	111843	104160	104346.7	92517.99	97007.5	90965.25	94232.24	84586	88278.44	84647	85560.15	84230	84744.44	
	UTTARAKH AND	3756.35	12890	11396	11514.42	11680	11439.22	11905	11025.01	11845	12438.79	11155	13542.54	10817	11488.73	10694	9779.55	11087	11324.96	9468	9715.19	
	NR Total		63174.53	306778	258132	243479.7	285595	286363.2	279918	270695.2	264456	261008.4	235991.1	253494.2	231301.4	230566.5	215315.7	215048.7	211045	208771.3	199689	200735.6
WR	CHHATTISGARH	18233	87163	71641	72026.62	78224	79710.57	69082	70930.12	65068	68115.77	54831	59375.35	49150.24	56155.66	47329.54	51797.86	43533	42376.07	31378	28604.29	
	GOA	48	0	0	0	254	12.61	254	241.32	254	245.41	300	277.09	330.21	292.28	330.79	320.92	341	324.84	341	326.99	
	GUJARAT	25837.41	109272	92119	88224.32	98552	105538.5	95817	97198.69	86062	90991.22	81311	78424.79	70467.83	71214.2	64357.76	65162.06	63535	55378.97	63227	59595.61	
	MADHYA PRADESH	18500	84125	69988	78612.98	65357	75212.47	54841	59646.87	49587	50695.53	46794.99	49432.41	49817	47606.91	49394	48426.72	51063	47487.1	46686	46566.34	
	MAHARASH TRA	28915	120231	99157	97445.96	100501	107309.2	100628	94699.94	95822	92134.91	87908.92	93391.74	91137.9	86784.37	87585.72	83498.39	88834	77467.42	83600	80556.15	
	WR Total		91533.41	400791	332905	336309.9	342888	367783.4	320622	322716.9	296793	302182.8	271145.9	280901.4	260903.2	262053.4	248997.8	249206	247306	223034.4	225232	215649.4
	SR	ANDHRA PRADESH	15167.2	54379	44369	46780.59	46266	45245.42	44225	45526.85	49106	47010.3	50367	52540.41	46669.68	49278.97	42853.1	44020.31	36321	36586.33	33903	32600.13
		KARNATAKA	9551.82	50467	41597	39155.34	49619	50163.29	47686	49364.51	46469	44075.25	43305.97	43770.32	36321.25	36058.25	33584.8	35652.01	31670	30834.3	28878	30830.41
		KERALA	2649.68	7822	6528	5624.32	7379	8034.17	7644	9249.8	8206	6867.66	9539.06	8853.71	10305	9262.72	10403.7	10368.84	9234	9530.84	8121	10911.14
		LAKSHADWEEP														0	29.27	0	0	28.07	25	28.67
PUDUCHERRY		32.5	200	158	184.57	242	102.14	230	256.97	257	230.76	257	251.46	255	195.45	257.6	227.25	250	258.17	260	275.27	
TAMIL NADU	17661.08	83255	68117	61304.92	72897	71418.41	58788	62210.7	57031	53693.92	52293.99	54413.24	54729	52419.05	55232	54685.85	55633	54016.67	52805	55678.58		
TELANGANA	8099.1	40862	34000	30003.21	39559	40901.97	39734	39152.87	40894	39462.6	37109.02	38855.86	36094	36042.61	35334.06	34461.55	35431	34706.73	34955	36207.67		
SR Total		53161.38	236985	194769	183053	215962	215865.4	198307	205761.7	201963	191340.5	192872	198685	184373.9	183257.1	177665.3	179445.1	168539	165961.1	158947	166531.9	
ER	ANDAMAN NICOBAR	40.05	150	125	139.19	150	153.76	100	171.49	100	135.81	118	94.87	0	86.76	0	225	7	210.48	168	204.07	
	BIHAR	4285	20650	16990	16813.79	17215	18272.27	15810	14939.36	14442	14707.45	17401	13812.29	17236	14568.73	15287	12066.52	16850	9792.84	12273	7034.43	

	DVC	7033.2	30892	25550	23105.03	33715	25551.11	33583	28115.29	28521	26277.21	21617.99	19832.69	22076	16664.86	20945	14888.73	21082	15752.81	16610	15254.03
	JHARKHAND	3270	15229	12587	13130.06	15588	14621.88	14579	14345.18	10129	11520.07	7967.99	6657.29	7699	5681.91	6887	5673.37	5731	5658.5	6195	4833.84
	ORISSA	10672.25	52675	43942	47520.79	45728	51332.44	43013	46212.19	44319	42229.14	41015.01	40771.21	38581.17	36250.16	37190.92	35303.75	37266	36287.91	36614	40237.18
	SIKKIM	765	3420	3136	3265.2	3469	3345.29	3378	2945.38	2844	2596.5	2857	2920.6	2844	2976.46	2844	2968.18	2611	2265.87	506	476.78
	WEST BENGAL	10924	51157	42601	39144.01	47836	49742.02	51572	46069.88	52244	46828.54	49888	46108.54	50660.73	45085.57	49228.8	43349.73	49322	41177.73	39169	39136.46
ER Total		36989.5	174173	144931	143118.1	163701	163018.8	162035	152798.8	152599	144294.7	140865	130197.5	139096.9	121314.5	132382.7	114475.3	132869	111146.1	111535	107176.8
NER	ARUNACHAL PRADESH	405	1125	1055	1188.87	1200	1109.48	1250	980.94	1300	1239.94	1400	978.4	1424	1399.56	1510	1052.96	1550	1591.12	1399	1552.01
	ASSAM	1202.2	4793	4075	3779.08	4122	4299.84	4065	4365.22	4584	4202.29	4306.53	4555.89	4494.5	4328.73	4469.6	4317.95	4588	4510.41	4689	4406.46
	MANIPUR	141	500	452	501.58	520	372.44	500	639.84	448	580.41	448	523.5	448	603.89	448	381.66	400	497.59	455	605.68
	MEGHALAYA	332	1026	957	975.08	987	863.15	1131	981.61	775	774.77	852.46	594.5	804.58	438.8	797	675.03	932	742.44	903	888.22
	MIZORAM														0	0	0	0	2.51	0	2.65
	NAGALAND	75	227	216	156.98	227	165.15	227	245.71	227	213.34	227	228.84	227	256.04	227	257.64	327	312.54	328	361.68
	TRIPURA	1106.6	6302	5146	4138.8	2998	3824.44	2145	2366.49	1375	1424.96	1306	1442.84	1135	1313.42	1134.5	1332.27	1164	1324.93	1180	1280.71
NER Total		3261.8	13973	11901	10740.39	10054	10634.5	9318	9579.81	8709	8435.71	8539.99	8323.97	8533.08	8340.44	8586.1	8017.51	8961	8981.54	8954	9097.41
IMPORT	Bhutan (IMP)		4800	4528	5161.45	4800	5007.74	4800	5597.9	5480	4794.5	5586	5284.51	6548	5610.9	6564	5358.57	5624	5899.1	5643	5277.94
IMPORT Total			4800	4528	5161.45	4800	5007.74	4800	5597.9	5480	4794.5	5586	5284.51	6548	5610.9	6564	5358.57	5624	5899.1	5643	5277.94
Grand Total		248120.62	1137500	947166	921862.5	1023000	1048673	975000	967150.3	930000	912056.7	855000	876886.5	830756.5	811142.8	789511.6	771551.1	774344	723793.6	710000	704469
* 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 up to 25 MW are not being monitored since 01.04.10																				

**ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO.1354
ANSWERED IN THE LOK SABHA ON 03.03.2016.**

ALL INDIA & STATE WISE / UT WISE FORECAST						
Electrical Energy Requirement at Power Station Bus Bars (Utilities Only) (U/R)						
	In MUs					
State/UTs	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Delhi	37529	40176	43023	46085	49382	52930
Haryana	56681	60725	64820	69108	73688	78586
Himachal Pradesh	10901	11546	12228	12948	13710	14514
Jammu & Kashmir	16298	17180	18172	19282	20516	21884
Punjab	69410	73032	76245	79626	83186	86941
Rajasthan	77907	83914	89792	96149	103030	110483
Uttar Pradesh	138854	152571	164997	178488	193136	209046
Uttarakhand	12751	13466	14223	15025	15874	16774
Chandigarh	2165	2286	2414	2549	2692	2842
Northern Region	422498	454897	485914	519260	555214	594000
Goa	4853	5205	5573	5966	6386	6837
Gujarat	108704	116649	124937	133825	143360	153582
Chhattisgarh	24222	25989	27833	29743	31850	34106
Madhya Pradesh	77953	83988	89152	94699	100657	107060
Maharashtra	169353	175870	187034	199001	211836	225606
D. & N. Haveli	6286	6665	7064	7488	7937	8413
Daman & Diu	2817	2976	3143	3320	3508	3706
Western Region	394188	417342	444735	474042	505534	539310
Andhra Pradesh	129767	140324	151743	164093	177454	191912
Karnataka	78637	83917	89285	95059	101309	108012
Kerala	26584	28080	29595	31198	32895	34691
Tamil Nadu	119251	128177	137815	148237	159475	171718
Puducherry	3586	3755	3929	4109	4295	4452
Southern Region	357826	384252	412367	442696	475426	510786
Bihar	29447	32964	36982	41590	46883	52975
Jharkhand	27691	29592	31381	33287	35318	37482
Orissa	35772	36999	38262	39667	41089	42566
West Bengal	70352	76511	82571	89033	95927	103283
Sikkim	528	544	581	601	622	645
Eastern Region	163790	176611	189777	204178	219839	236952
Assam	8947	9615	10313	11058	11852	12699
Manipur	1241	1405	1571	1760	1975	2219
Meghalaya	2243	2396	2553	2678	2794	3029
Nagaland	834	895	954	1019	1088	1163
Tripura	1401	1514	1628	1751	1883	2026
Arunachal Pradesh	552	580	611	644	681	721
Mizoram	936	1031	1112	1196	1287	1388
North E. Region	16154	17435	18743	20106	21560	23244
Andman & Nicobar	366	390	415	443	473	505
Lakshadweep	52	55	57	59	62	65
All India	1354874	1450982	1552008	1660783	1778109	1904861

**ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO.1354
TO BE ANSWERED IN THE LOK SABHA ON 03.03.2016.**

Details of Under Construction Thermal Power Projects in the country (15.2.2016)											
Sl. No.	State	Project Name / Impl. Agency	LOA Date	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Latest cost (in Rs. Crores)	Expenditure	Up to	Remarks
CENTRAL SECTOR											
1	Assam	Bongaigaon TPP/NTPC	Feb-08	U-2	250	May-11	Mar-17	6749.18	5691.20	Oct-15	(for 3 units)
				U-3	250	Sep-11	Jun-17				
2	Bihar	Barh STPP-I /NTPC	Mar-05	U-1	660	Oct.,13 *	Apr-17	15095.67	11294.59	Oct-15	
				U-2	660	Apr.,14 *	Nov-17				
				U-3	660	Oct., 14 *	May-18				
3	Bihar	Muzaffarpur TPP(Kanti) Exp/ JV of NTPC& BSEB	Apr-10	U-4	195	Jan-13	Mar-16	3942.16	3127.00	Oct-15	(for 2 units)
4	Bihar	Nabi Nagar TPP / JV of NTPC & Rly.	Jan-08	U-1	250	Feb-13	Apr-16	5352.51	5120.31	Nov-15	
				U-2	250	May-13	Mar-17				
				U-3	250	Aug-13	Jul-17				
				U-4	250	Nov-13	Oct-17				
5	Bihar	New Nabi Nagar TPP /JV of NTPC & BSPGCL	Jan-13	U-1	660	Jan-17	Jun-17	13624.02	4389.00	Dec-15	
				U-2	660	Jul-17	Dec-17				
				U-3	660	Jan-18	Jun-18				
6	Chhattisgarh	Lara TPP / NTPC	Dec-12	U-1	800	Nov-16	Dec-16	11846.00	4982.00	Oct-15	
				U-2	800	May-17	Jul-17				
7	Jharkhand	Bokaro "A" TPS Exp. / DVC	Jun-08	U-1	500	Dec-11	Apr-16	4138.41	3173.50	Dec-15	
8	Jharkhand	North Karanpura TPP/ NTPC	Feb-14	U-1	660	Feb-18	Oct-18	14367.00	2221.00	Oct-15	
				U-2	660	Aug-18	Feb-19				
				U-3	660	Feb-19	Jun-19				
9	Karnataka	Kudgi STPP Ph-I/ NTPC	Feb-12	U-1	800	Dec-15	Mar-16	15166.19	9373.00	Oct-15	
				U-2	800	Jun-16	Jan-17				
				U-3	800	Dec-16	Apr-17				
10	Maharashtra	Mouda STPP Ph-II/ NTPC	Apr-12	U-3	660	Mar-16	Jun-16	7921.47	4545.00	Oct-15	
				U-4	660	Sep-16	Feb-17				
11	Maharashtra	Solapur STPP/ NTPC	Apr-12	U-1	660	May-16	Apr-17	9395.18	4362.00	Oct-15	
				U-2	660	Nov-16	Aug-17				
12	MP	Gadarwara TPP/ NTPC	Mar-13	U-1	800	Mar-17	Jun-17	11638.55	4347.00	Oct-15	
				U-2	800	Sep-17	Dec-17				
13	MP	Khargone TPP/ NTPC	Mar-15	U-1	660	Mar-19	Mar-19	7820.00	NA		
				U-2	660	Sep-19	Sep-19				
15	Odisha	Darlipalli STPP/ NTPC	Feb-14	U-1	800	Feb-18	Feb-18	12532.44	1408.00	Sep-15	
				U-2	800	Jun-18	Jun-18				
14	TN	Neyveli New TPP/ NLC	Dec-13	U-1	500	Jun-15	Nov-17	5907.11	1204.76	Nov-15	
				U-2	500	Dec-15	May-18				
16	Telangana	Telangana Ph-I/NTPC	Feb-16	U-1	800	Jan-20	Jan-20	9954.20	NA		#
				U-2	800	Jul-20	Jul-20				
17	Tripura	Agartala /NEEPCO	Sep-12	St-1	25.5	Mar-15	Feb-16	382.41	316.85	Jul-15	(for ST-1&ST-2)
18	UP	Unchahar - IV/ NTPC	Aug-13	U-6	500	Dec-16	Nov-17	3363.12	510.00	Oct-15	
19	UP	Meja STPP/ JV of NTPC & UPRVUNL	Apr-12	U-1	660	Jun-16	Apr-17	10821.00	4351.10	Oct-15	
				U-2	660	Dec-16	Oct-17				
20	UP	Tanda TPP/ NTPC	Sep-14	U-1	660	Sep-18	Sep-18	9188.98	874.00	Oct-15	
				U-2	660	Mar-19	Mar-19				
21	WB	Raghunathpur TPP, Ph-II / DVC	Sep-12	U-1	660	Aug-17	Uncertain	9098.99	577.00	Sep-15	
				U-2	660	Jan-18	Uncertain				
TOTAL CENTRAL SECTOR					26380.5			188304.59	71867.31		

STATE SECTOR											
1	AP	Royalaseema TPP St-IV / APGENCO	Oct-10	U-6	600	Jul-14	Apr-17	3781.86	2456.27	Oct-15	
2	Assam	Namrup CCGT / APGCL	Feb-09	GT	70	Sep-11	Jun-16	693.73	438.61	Dec-15	
				ST	30	Jan-12	Sep-16				
3	Bihar	Barauni TPS Extn./ BSEB	Mar-11	U-8	250	May-14	Dec-16	4230.00	3837.54	Nov-15	
				U-9	250	Jul-14	Apr-17				
4	Chhattisgarh	Marwa TPP / CSPGCL	Apr-08	U-2	500	Jul-12	Feb-16	7482.67	7482.67	Dec-15	@ (for 2 units)
5	Gujarat	Bhavnagar CFBC TPP / BECL	Feb-10	U-1	250	Oct-13	Feb-16	4223.11	3622.08	Mar-15	
				U-2	250	Dec-13	Apr-16				
6	Gujarat	Wanakbori TPS Extn. / GSECL	Oct-14	U-8	800	Oct-18	Oct-18	3536.51	368.14	Nov-15	
7	Karnataka	Bellary TPS / KPCL	Sep-10	U-3	700	Aug-14	Feb-16	4686.00	4330.36	Dec-15	
8	Karnataka	Yermarus TPP/ KPCL	Apr-10	U-1	800	Apr-14	Mar-16	11300.00	10228.58	Dec-15	
				U-2	800	Oct-14	Jun-16				
9	Maharashtra	Chandrapur TPS/ MSPGCL	Jul-08	U-9	500	Sep-12	Mar-16	6497.29	5484.00	Dec-15	(for 2 units)
10	Maharashtra	Koradi TPP Expn./ MSPGCL	Sep-09	U-9	660	Jun-14	Mar-16	13232.10	13053.32	Nov-15	
				U-10	660	Jan-16	Jun-16				
11	Maharashtra	Parli TPP Expn./ MSPGCL	Jan-09	U-8	250	Jan-12	Mar-16	1859.24	1998.97	Dec-15	
12	MP	Shri Singhaji TPP-II / MPGENCO	Sep-14	U-3	660	Jul-18	Jul-18	6500.00	722.39	Dec-15	
				U-4	660	Nov-18	Nov-18				
13	Odisha	Ib valley TPP / OPGCL	Mar-14	U-3	660	Aug-17	Dec-17	11965.00	1921.94	Sep-15	
				U-4	660	Jan-18	Jun-18				
14	Rajasthan	Chhabra TPP Extn. / RRVUNL	Mar-13	U-5	660	Jun-16	Feb-17	7950.00	3319.39	Dec-15	
				U-6	660	Jun-18	Dec-18				
15	Rajasthan	Suratgarh TPS/ RRVUNL	May-13	U-7	660	Sep-16	Apr-17	7920.00	4175.83	Dec-15	
				U-8	660	Dec-16	Jul-17				
16	Telangana	Kothagudem TPS St-VII / TSGENCO	Jan-15	U-1	800	Nov-17	Jul-18	5548.00	NA		
17	Telangana	Bhadradi TPP / TSGENCO	May-15	U-1	270	Feb-17	Nov-17	5044.00	1000.00		
				U-2	270	Apr-17	Jan-18				
				U-3	270	Jun-17	Mar-18				
				U-4	270	Aug-17	May-18				
18	Telangana	Singareni TPP/ SCCL	Nov-11	U-1	600	Feb-15	Mar-16	6381.33	6381.33	Nov-15	@
				U-2	600	Jun-15	Jun-16				
19	TN	Ennore exp. SCTPP(Lanco) / TANGEDCO	May-14	U-1	660	Jan-18	Sep-18	3960.00	NA		Assuming 6 Cr/MW
20	TN	Ennore SCTPP / TANGEDCO	Sep-14	U-1	660	Jan-18	Sep-18	9800.40	NA		
				U-2	660	Mar-18	Mar-19				
21	UP	Anpara-D TPP / UPRVUNL	Oct-07	U-7	500	Jun-11	Mar-16	5843.02	5458.65	Mar-15	(for 02 units)
22	UP	Harduaganj Exp.-II TPP / UPRVUNL	Sep-15	U-1	660	Jun-19	Jun-19	NA	3436.60		As per price bid evaluation
23	WB	Sagardighi TPP-II / WBPCL	Feb-11	U-4	500	Oct-14	Jun-16	5430.38	3647.95	Dec-15	
Total State Sector					19370			137864.64	83364.62		

PRIVATE SECTOR											
1	AP	Bhavanapadu TPP Ph-I / East Coast Energy Ltd.	Sep-09	U-1	660	Oct-13	Dec-17	9343.15	3663.09	Nov-15	
				U-2	660	Mar-14	May-18				
2	AP	NCC TPP / NCC Power Project Ltd.	Feb-12	U-1	660	Mar-15	Jul-16	7773.51	7774.51	Nov-15	@
				U-2	660	Jun-15	Dec-16				
3	AP	Thamminapat nam TPP stage -II / Meenakshi Energy Pvt. Ltd.	Dec-09	U-3	350	May-12	Aug-16	5005.00	3208.50	Dec-15	
				U-4	350	Aug-12	Nov-16				
4	AP	Vizag TPP/ Hinduja National Power Corporation Ltd.	Mar-10	U-2	520	Sep-13	Mar-16	7431.55	7431.55	Dec-15	@ (for 2 units)
5	Bihar	Jas Infra. TPS / JICPL	Mar-11	U-1	660	Aug-14	19-20*	11120.00	NA		
				U-2	660	Dec-14	20-21*				
				U-3	660	Apr-15	Uncertain				
				U-4	660	Aug-15	Uncertain				
6	Chhattisgarh	Akaltara TPP (Naiyara) / KSK Mahandi Power Company Ltd.	Apr-09	U-3	600	Dec-12	Apr-17	22874.50	14969.00	Aug-15	(for 6 units)
				U-4	600	Apr-13	Aug-17				
				U-5	600	Aug-13	Dec-17				
				U-6	600	Dec-13	Apr-18				
7	Chhattisgarh	Balco TPP / Bharat Aluminium Co. Ltd.	Aug-07	U-2	300	Nov-10	Mar-16	5822.50	3965.00	Jan-15	(for 2 units)
8	Chhattisgarh	Binjkote TPP/ SKS Power Generation (Chhattisgarh) Ltd.	Mar-11	U-1	300	Aug-13	Sep-16	7940.00	3828.00	Jun-15	
				U-2	300	Nov-13	Dec-16				
				U-3	300	Feb-14	Uncertain				
				U-4	300	May-14	Uncertain				
9	Chhattisgarh	Lanco Amarkantak TPP-II / LAP Pvt. Ltd.	Nov-09	U-3	660	Jan-13	Sep-17	10815.24	8056.00	Dec-15	
				U-4	660	Mar-13	Dec-17				
10	Chhattisgarh	Raikheda TPP / GMR	Jan-10	U-2	685	Jan-14	Feb-16	11016.00	10843.71	Nov-15	(for 2 units)
11	Chhattisgarh	Singhitarai TPP / Athena Chhattisgarh Power Ltd.	Dec-09	U-1	600	Jun-14	Jun-16	8443.79	5510.92	Dec-15	
				U-2	600	Sep-14	Sep-16				
12	Chhattisgarh	Nawapara TPP / TRN Energy Pvt. Ltd.	Jan-11	U-1	300	Dec-13	Mar-16	2844.00	2685.00	Mar-15	
				U-2	300	Apr-14	Sep-16				
13	Chhattisgarh	Uchpinda TPP/ RKM Powergen. Pvt. Ltd.	Jul-07	U-3	360	Feb-13	Jul-16	10377.33	10131.11	Dec-15	(for 4 units)
				U-4	360	Jul-13	Oct-16				
14	Chhattisgarh	Salora TPP / Vandana Vidyut	Sep-09	U-2	135	Sep-11	Oct-16	2386.89	2386.89	Mar-15	@ (for 2 units)
15	Chhattisgarh	Deveri (Visa) TPP / Visa Power Ltd.	Jun-10	U-1	600	Aug-13	Uncertain	3930.00	2077.23	Nov-15	
16	Jharkhand	Matrishri Usha TPP Ph-I / Corporate Power Ltd.	Dec-09	U-1	270	May-12	17-18*	3120.00	3120.00	Nov-12	@
				U-2	270	Jun-12	17-18*				
17	Jharkhand	Matrishri Usha TPP Ph-II / Corporate Power Ltd.	Mar-11	U-3	270	Feb-13	Uncertain	3182.00	2207.00	Sep-12	
				U-4	270	Mar-13	Uncertain				
18	Jharkhand	Tori TPP PH-I / Essar Power Ltd.	Aug-08	U-1	600	Jun-13	Uncertain	5700.00	3883.53	Jun-15	
				U-2	600	Jan-15	Uncertain				

19	<i>Jharkhand</i>	Tori TPP Ph-II / Essar Power Ltd.		U-3	600		Uncertain	2500.00	246.65	Mar-15	
20	<i>Maharashtra</i>	Amravati TPP Ph-II / Ratan India Power Pvt. Ltd.	Oct-10	U-1	270	Jul-14	13th Plan*	6646.00	763.80	Mar-15	
				U-2	270	Sep-14	13th Plan*				
				U-3	270	Nov-14	13th Plan*				
				U-4	270	Jan-15	13th Plan*				
				U-5	270	Mar-15	13th Plan*				
21	<i>Maharashtra</i>	Lanco Vidarbha TPP / LVP Pvt. Ltd.	Nov-09	U-1	660	Jan-14	Jun-17	10433.00	4326.00	Dec-15	
				U-2	660	May-14	Sep-17				
22	<i>Maharashtra</i>	Nasik TPP Ph-I / Ratan India Nasik Power Pvt. Ltd.	Nov-09	U-2	270	Apr-12	Mar-16	7848.98	6364.71	Mar-15	(for 5 units)
				U-3	270	Jun-12	Dec-16				
				U-4	270	Aug-12	Feb-17				
				U-5	270	Oct-12	Apr-17				
23	<i>Maharashtra</i>	Nasik TPP Ph-II / Ratan India Nasik Power Pvt. Ltd.	Nov-09	U-1	270	Apr-13	Uncertain	6789.00	711.81	Mar-15	
				U-2	270	Jun-13	Uncertain				
				U-3	270	Aug-13	Uncertain				
				U-4	270	Oct-13	Uncertain				
				U-5	270	Dec-13	Uncertain				
24	<i>Maharashtra</i>	Bijora Ghanmukh TPP / Jinbhuvish Power Generation Pvt. Ltd.	Sep-11	U-1	300	Dec-16	18-19*	3450.00	422.27	Mar-15	
				U-2	300	Mar-17	18-19*				
25	<i>MP</i>	Anuppur TPP Ph-I / MB Power	Nov-10	U-2	600	Aug-13	Mar-16	7495.85	7495.85	Nov-15	@ (for 2 units)
26	<i>MP</i>	Mahan TPP / Essar Power MP Ltd.	Sep-08	U-2	600	Jun-15	Mar-16	8022.26	8022.26	Oct-15	@ (for 2 units)
27	<i>MP</i>	Gorgi TPP / D.B. Power (MP) Ltd.	Mar-11	U-1	660	Jun-13	Uncertain	3941.00	477.36	Sep-15	
28	<i>MP</i>	Seoni TPP Ph-I / Jhabua Power Ltd.	Feb-10	U-1	600	Mar-13	Mar-16	4194.00	3773.19	Jan-15	
29	<i>MP</i>	Niwari TPP / BLA Power Ltd.	Apr-11	U-2	45	Apr-14	17-18*	290.01	290.01	Sep-15	@
30	<i>Odisha</i>	Ind Barath TPP (Odisha) / Ind Barath	May-09	U-1	350	Sep-11	Feb-16	4180.00	4180.00	Dec-15	@
				U-2	350	Dec-11	Jun-16				
31	<i>Odisha</i>	KVK Nilanchal TPP/ KVK Nilanchal	Nov-09	U-1	350	Dec-11	18-19*	4990.00	1380.00	Mar-15	
				U-2	350	Jan-12	Uncertain				
				U-3	350	Mar-12	Uncertain				
32	<i>Odisha</i>	Lanco Babandh TPP / LBP Ltd.	Nov-09	U-1	660	Apr-13	18-19*	6930.00	6193.00	Dec-15	
				U-2	660	Aug-13	19-20*				
33	<i>Odisha</i>	Malibrahmani TPP / MPCL	Jun-10	U-1	525	Dec-12	Oct-16	5329.75	5329.75	Dec-14	@
				U-2	525	Feb-13	17-18*				
34	<i>Punjab</i>	Goindwal Sahib TPP / GVK Power	Aug-08	U-2	270	Oct-13	Mar-16	3665.00	3665.00	Sep-15	@ (for 2 units)
35	<i>Punjab</i>	Talwandi Sabo TPP / Sterlite	Jul-09	U-3	660	May-13	Mar-16	11546.00	9338.09	Mar-15	(for 3 units)
36	<i>TN</i>	Tuticorin TPP (Ind- Barath) / IBPIL	May-10	U-1	660	May-12	18-19*	3595.00	2000.00	May-15	
37	<i>TN</i>	Tuticorin TPP St-IV / SEPC	Jan-14	U-1	525	Sep-18	Sep-18	3514.00	423.00	Dec-15	
38	<i>TN</i>	ITPCL TPP	Dec-10	U-2	600	Jul-14	Mar-16	10600.00	8727.49	Sep-15	(for 2 units)
39	<i>UP</i>	Prayagraj (Bara) TPP / PPGENCO	Jan-09	U-2	660	Jul-14	May-16	13870.00	12742.72	Dec-15	(for 3 units)
				U-3	660	Dec-14	Aug-16				

40	UP	Lalitpur TPP / Lalitpur Power Generation Company Ltd.	Mar- 11	U-1	660	Oct-14	Feb-16	17295.00	14306.00	Jul-15	(for 3 units)
				U-3	660	Jun-15	Jul-16				
41	WB	India Power TPP / Haldia Energy Ltd.	Sep- 10	U-1	150	May-16	Jul-16	3307.00	1559.84	Nov-15	
				U-2	150	Sep-16	Nov-16				
				U-3	150	Jan-16	Mar-17				
Total Private Sector					36670			289557.31	198479.84		
Grand Total					82420.5			615726.5	353711.8		
Funds Required as on date								262014.8			
* Revised		# As per EC letter									
@ Latest cost is taken same as expenditure, as the revised latest cost is not available.											

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO.1354 ANSWERED IN THE LOK SABHA ON 03.03.2016.

Details of under construction hydro projects undertaken during 11th & 12th Plan- Funds required (Excluding projects under Ministry of New & Renewable Energy)									
Sl. No	Name of Scheme	State	I.C. (No. x MW)	Under Execution (MW)	Latest Cost Rs. Crs.	Expenditure upto 03/2015 Rs. Crs.	Funds Required till comm. Rs. Crs.	Likely Commng. Date	Remarks
Central Sector									
1	Parbati St. II (NHPC)	H.P.	4x200	800.00	7818.68	4950.04	2868.64	2018-19	
2	Kishanganga (NHPC)	J&K	3x110	330.00	5497.72	3912.95	1584.77	2016-17	
3	Tehri PSS (THDC)	Uttarakhand	4x250	1000.00	2978.86	1180.43	1798.43	2019-20	
4	Tapovan Vishnugad (NTPC)	Uttarakhand	4x130	520.00	3846.30	2417.00	1429.30	2018-19	
5	Lata Tapovan (NTPC)	Uttarakhand	3x57	171.00	1527.00	139.00	1388.00	2021-22	
6	Vishnugad Pipalkoti (THDC)	Uttarakhand	4x111	444.00	2491.58	592.39	1899.19	2019-20	
7	Teesta Low Dam-IV (NHPC)	W.B.	4x40	160.00	1929.15	1724.70	204.45	2015-17	
8	Subansiri Lower (NHPC)	Ar. Pr.	8x250	2000.00	18063.89	7578.63	10485.26	2020-21	
9	Kameng (NEEPCO)	Ar. Pr.	4x150	600.00	6085.84	3762.55	2323.29	2016-17	
10	Pare (NEEPCO)	Ar. Pr.	2x55	110.00	1226.27	994.40	231.87	2016-17	
11	Tuirial (NEEPCO)	Ar. Pr.	2x30	60.00	1381.71	800.74	580.97	2017-18	
12	Rammam-III (NTPC)	West Bengal	3x40	120.00	1381.84	108.00	1273.84	2019-20	
Sub- total (Central Sector) :				6315.00	54228.84		26068.01		
State Sector									
13	Shahpurkandi	Punjab	3x33+3x33+1x8	206.00	2285.81	513.50	1772.31	2019-20	
14	Uhl-III	H.P.	3x33.33	100.00	940.84	1128.30	-	2017-18	Cost under revision
15	Swara Kuddu	H.P.	3x37	111.00	1181.90	1022.55	159.35	2018-19	
16	Kashang -I	H.P.	1x65	65.00	1079.80	843.44	236.36	2015-16	
17	Kashang -II & III	H.P.	2x65	130.00				2019-20	
18	Sainj	H.P.	2x50	100.00	784.56	839.46	-	2016-17	Cost under revision
19	Shongtong Karcham	H.P.	3x150	450.00	3316.35	270.93	3045.42	2018-19	
20	Vyasi	Uttarakhand	2x60	120.00	936.23	87.64	848.59	2018-19	
21	Koyna Left Bank	Maharashtra	2x40	80.00	1494.94	334.59	1160.35	2018-19	
22	Nagarujana Sagar TR	A.P.	2x25	50.00	958.67	872.60	86.07	2015-16	
23	Polavaram (PPA)	A.P.	12x80	960.00	16010.45	5506.86	10503.59	2021-22	
24	Pulichintala	Telangana	4x30	120.00	563.49	374.26	189.23	2016-17	
25	Lower Jurala	Telangana	6x40	120.00	1969.14	1572.82	396.32	2015-17	Three units comnd.
26	Pallivasal	Kerala	2x30	60.00	284.69	178.77	105.92	2018-19	
27	Thottiyar	Kerala	1x30 +1x10	40.00	150.02	46.18	103.84	2018-19	
28	New Umtru	Meghalaya	2x20	40.00	461.27	255.91	205.36	2016-17	
Sub- total (State Sector) :				2752.00	32418.16		18812.71		

Private Sector									
29	Ratle	J&K	4x205+ 1x30	850.00	5517.02	373.80	5143.22	2021-22	Exp. upto Mar-13
30	Sorang	H.P.	2x50	100.00	586.00	N.A.	-	2015-16	Exp. Not Available
31	Tidong-I	H.P.	2x50	100.00	543.15	279.89	263.26	2017-18	Exp. upto May-13
32	Tangu Romai- I	H.P.	2x22	44.00	255.00	179.00	76.00	2018-19	Exp. upto Mar-13
33	Bajoli Holi	H.P.	3x60	180.00	1696.93	388.30	1308.63	2019-20	Exp. upto Dec-14
34	Chanju-I	H.P.	3x12	36.00	295.09	328.28	-	2016-17	Cost under revision
35	Phata Byung	Uttarakhand	2x38	76.00	520.00	518.24	1.76	2017-18	Exp. upto Jun-13
36	Singoli Bhatwari	Uttarakhand	3x33	99.00	666.47	737.42	-	2020-21	Cost under revision
37	Maheshwar	M.P.	10x40	400.00	6793.00	3135.00	3658.00	2017-18	
38	Teesta St. III	Sikkim	6x200	1200.00	11382.00	9161.70	2220.30	2016-17	
39	Teesta St. VI	Sikkim	4x125	500.00	5400.00	2703.76	2696.24	2021-22	
40	Rangit-IV	Sikkim	3x40	120.00	726.16	563.20	162.96	2018-19	Exp. upto Sep-13
41	Bhasmey	Sikkim	3x17	51.00	408.50	162.40	246.10	2019-20	Exp. upto Apr-12
42	Tashiding	Sikkim	2x48.5	97.00	469.95	N.A.	-	2016-17	Exp. Not Available
43	Dikchu	Sikkim	3x32	96.00	639.57	99.38	540.19	2016-17	Exp. upto Nov-11
44	Rangit-II	Sikkim	2x33	66.00	498.00	N.A.	-	2019-20	Exp. Not Available
45	Rongnichu	Sikkim	2x48	96.00	491.32	N.A.	-	2019-20	Exp. Not Available
46	Panan	Sikkim	4x75	300.00	1833.05	141.35	1691.70	2020-21	
47	Gongri	Ar. Pr.	2x72	144.00	1436.27	468.86	967.41	2020-21	
Sub- total (Private Sector) :				4555.00	40157.48		18975.77		
Total:				13622.00	126804.48		63856.49		
Note: Expenditure figures are provisional (un-audited) and based on the information received from project authorities on their physical progress reports.									

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO.1354 ANSWERED IN THE LOK SABHA ON 03.03.2016.

Details of Under Construction Coal based Thermal Power Projects having time over run (6 months or more) due to various reasons including environmental clearance/ land acquisition/ funds/ fuel							
Project Name	State	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Time over run (Months)	Reasons for Delay
CENTRAL SECTOR							
Bongaigaon TPP	<i>Assam</i>	U-2	250	May-11	Mar-17	70	Frequent bandhs, Heavy monsoon and slow civil works. Delay in supply of material by BHEL. Work came to halt due to violence and mass exodus of labour from site in 2011-12. Civil works got affected due to poor performance by civil contractors resulting in to their contract cancellation. Balance civil and structural works rewarded to NBCC on 29.09.14 . Acquisition of balance land for Railway siding.
		U-3	250	Sep-11	Jun-17	69	
Muzaffarpur TPS Exp	<i>Bihar</i>	U-4	195	Jan-13	Mar-16	38	
Nabi Nagar TPP	<i>Bihar</i>	U-1	250	May-13	Apr-16	35	Delay in acquisition of Land. Slow progress of works by main plant civil agency M/s ERA resulting in delay in handing over civil fronts to erection agencies. Supply of equipment by BHEL. Agitation by villagers. Patches of land could not be acquired because of unwillingness of people to accept compensation. Financial crunch faced by CHP vendor(Techpro). Acquisition of land and relocation of homestead owners still living inside the project area.
		U-2	250	Sep-13	Mar-17	42	
		U-3	250	Jan-14	Jul-17	42	
		U-4	250	May-14	Oct-17	41	

Solapur STPP	Maharashtra	U-1	660	May-16	Apr-17	11	Delay in SG supply by BGR. Delay in Right of Use (RoU) for Raw water pipeline. Delay in readiness of civil fronts by M/s. IVRCL. Delay in steam generator Engineering & supply by BGR due to non-settlement of QSGM between BGR and Hitachi.
		U-2	660	Nov-16	Aug-17	9	
Meja STPP	UP	U-1	660	Jun-16	Apr-17	10	Delay in supply of boiler material by M/s BGR due to non-settlement of QSGM between BGR and Hitachi.. Slow progress of main plant civil works. Delay in land Acquisition for Make up Water Pipeline and Railway Siding
		U-2	660	Dec-16	Oct-17	10	
Raghunath-pur TPP, Ph-II	WB	U-3	660	Aug-17	Uncertain		Delay in start of main plant civil works due to fund cruch being faced by DVC.
		U-4	660	Jan-18	Uncertain		
Total Central Sector			5655				
* Revised Schedule							
STATE SECTOR							
Barauni TPS Extn.	Bihar	U-8	250	May-14	Dec-16	31	Delay in obtaining Environmental clearance, Delay in readiness of CT, CW system etc. and acquisition of balance land for intake pump house, raw water line etc.
		U-9	250	Jul-14	Apr-17	33	
Bhadradi TPP	Telangana	U-1	270	Feb-17	Nov-17	9	MOEF clearance not available.
		U-2	270	Apr-17	Jan-18	9	
		U-3	270	Jun-17	Mar-18	9	
		U-4	270	Aug-17	May-18	9	
Total State Sector			1580				
PRIVATE SECTOR							
Bhavanapadu TPP Ph-I	AP	U-1	660	Oct-13	Dec-17	50	Work remained under suspension due to MoE&F order for a long time. After restart works hampered due to two cyclones . Agitation against State bifurcation. Slow progress of work at site due to financial problems.
		U-2	660	Mar-14	May-18	50	
Thamminap-atnam TPP stage -II	AP	U-3	350	May-12	Aug-16	51	Slow progress of Civil works. Due to financial problem, work at site remained closed for a long time.
		U-4	350	Aug-12	Nov-16	51	
Vizag TPP	AP	U-2	520	Sep-13	Feb-16	29	Delay in readiness of transmission line for start up power. Slow progress of civil works, sea water intake and outfall system, CHP etc.. Delay in readiness of railway line due to land acquisition. Delay due to damage because of cyclone.

Jas Infra. TPS	Bihar	U-1	660	Aug-14	2019-20		Financial issues.
		U-2	660	Dec-14	2020-21		
		U-3	660	Apr-15	Uncertain		
		U-4	660	Aug-15	Uncertain		
Binjkote TPP	Chhattisgarh	U-1	300	Aug-13	Jul-16	35	Delay in start of civil works. Delay in supply of the Boiler Drum. Delay due to stoppage of erection work for boiler & TG because of change of STG erection agencies. Balance land acquisition for ash dyke.
		U-2	300	Nov-13	Dec-16	37	Delay in start of civil works. Slow progress of pressure parts erection. Balance land acquisition for ash dyke.
		U-3	300	Feb-14	Uncertain		Work yet to start. Balance land acquisition for ash dyke. *Commissioning schedule would be assessed after re-start of work.
		U-4	300	May-14	Uncertain		Work yet to start. Balance land acquisition for ash dyke. *Commissioning schedule would be assessed after re-start of work.
Lanco Amarkantak TPP-II	Chhattisgarh	U-3	660	Jan-13	Sep-17	56	Delay in acquisition of land for water system. Presently No work is going at site due to financial problems. *Commissioning schedule would be assessed after re-start of work.
		U-4	660	Mar-13	Dec-17	57	
Raikheda TPP	Chhattisgarh	U-2	685	Jan-14	Feb-16	25	Delay in start of civil works. Progress of various activities suffered some time due to financial problems. No PPA
Singhitarai TPP	Chhattisgarh	U-1	600	Jun-14	Jun-16	24	Delay in land acquisition. Slow progress of Boiler & TG erection. Delay due to financial problems.
		U-2	600	Sep-14	Sep-16	24	
Uchpinda TPP	Chhattisgarh	U-2	360	Nov-12	Feb-16	39	Work suffered due to agitation by villagers. Slow progress of work at site. Delay in readiness of BOPs. Delay in readiness of start up power. Delay due to financial problem. Balance land acquisition for ash pond and Railway line. Consent to operate for U-2, 3 & 4.
		U-3	360	Feb-13	Jul-16	41	
		U-4	360	Jul-13	Oct-16	39	
Salora TPP	Chhattisgarh	U-2	135	Sep-11	Oct-16	61	Delay in commissioning of unit-1. Agitation by villagers at site. Delay in supply of BTG and CHP material. Non cooperation of BTG supplier in commissioning activities. Land acquisition for railway siding and ash pond.
Deveri TPP (Visa TPP)	Chhattisgarh	U-1	600	Aug-13	Uncertain		Order for AHP, Fire protection system, AC & Ventilation system, LT/HT Switchgear, Cables, Air Compressor, LT transformer, Station, GT & Unit transformer not yet placed. Work is on hold due to financial crunch.

Matrishri Usha TPP Ph-I	Jharkhand	U-1	270	May-12	2017-18		Law and order problem. Delay in supply of BTG equipment. Delay in readiness of transmission line due to forest clearance. Work held up due to financial problems since Nov, 12. *Commissioning schedule would be assessed after re-start of work.
		U-2	270	Jun-12	2017-18		
Matrishri Usha TPP Ph-II	Jharkhand	U-3	270	Feb-13	Uncertain		Law and order problem and delay in supply of BTG material. Work is held up due to financial problems at site. *Commissioning schedule would be assessed after re-start of work.
		U-4	270	Mar-13	Uncertain		
Tori TPP-Ph-I	Jharkhand	U-1	600	Jun-13	Dec-17	54	Law and order problem. Delay in start of civil work & slow progress of works. Delay in MOEF clearance for Unit-2. Work held up after cancellation of earlier allotted coal blocks.
		U-2	600	Jan-15	Jun-18	41	
Amravati TPP Ph-II	Maharashtra	U-1	270	Jul-14	Uncertain		No Work is going on at site due to financial problems. *Commissioning schedule would be assessed after re-start of work.
		U-2	270	Sep-14	Uncertain		
		U-3	270	Nov-14	Uncertain		
		U-4	270	Jan-15	Uncertain		
		U-5	270	Mar-15	Uncertain		
Lanco Vidarbha TPP	Maharashtra	U-1	660	Jan-14	Jun-17	41	No work is going at site due to financial problems. *Commissioning schedule would be assessed after re-start of work.
		U-2	660	May-14	Sep-17	40	
Nasik TPP Ph-I	Maharashtra	U-3	270	Jun-12	Dec-16	54	Non-Acceptance of BTG material by Project Authorities. No work is going at site due to financial problems.
		U-4	270	Aug-12	Feb-17	54	
		U-5	270	Oct-12	Apr-17	54	
Mahan TPP	MP	U-2	600	Sep-11	Mar-16	54	Very slow progress due to Non availability of coal block/Coal Linkage.
Seoni TPP Ph-I	MP	U-1	600	Mar-13	2016-17		Delay in readiness of civil fronts. Chimney readiness. Delay in supply of boiler and TG material due to financial problem. Presently no work is going on at site. Financial dispute yet to be resolved.
KVK Nilanchal TPP	Orissa	U-1	350	Dec-11	2018-19		Initially delayed due to chimney clearance and law & order problem. Work was held up due to stay by Hon'ble High Court of Orissa. Hon'ble High Court has given order dated : 20.05.14 to start the work. Delay in approval of revised cost of the project by lenders.
		U-2	350	Jan-12	2019-20		
		U-3	350	Mar-12	2019-20		
Lanco Babandh TPP	Orissa	U-1	660	Apr-13	2018-19		Delay in land acquisition. No work is going on at site due to financial problem. *Commissioning schedule would be assessed after re-start of work.
		U-2	660	Aug-13	2019-20		
Malibrahmani TPP	Orissa	U-1	525	Dec-12	Oct-16	46	Delay in land acquisition and delay in supply of TG hall structures. Slow progress due to financial problem.
		U-2	525	Feb-13	2017-18		

Goindwal Sahib	<i>Punjab</i>	U-2	270	Oct-13	2016-17		Delay in readiness of CHP & AHP. Delay in readiness of Railway line. * No progress of work at site due to financial problem. Delay in land acquisition.
Prayagraj (Bara) TPP	<i>UP</i>	U-2	660	Jul-14	May-16	22	Delay in BTG supply, Raw water pipe line readiness and transmission line readiness for start up power. Progress of work at site delayed due to financial problems. Land for railway siding and power evacuation.
		U-3	660	Dec-14	Aug-16	20	
Total Private Sector			23370				
Grand Total			30605.0				

**ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO.1354
ANSWERED IN THE LOK SABHA ON 03.03.2016.**

Details of Under Construction Gas Power Projects delayed due to non-availability of gas				
State	Project Name	Impl Agency	Unit No	Cap.(MW)
AP	Panduranga CCPP	Panduranga Power Ltd	Module-1	110.3
AP	RVK Gas Engine	RVK (Rajahmundry) Pvt.Ltd	GE: 5-8	38
			GE:1-4	38
AP	RVKCCPP	RVK (Rajahmundry) PVT.Ltd	Module-1	120
			Module-2	120
			Module-3	120
AP	Samalkot CCPP-II	Reliance Power	Module-1	400
			Module-2	400
			Module-3	400
			Module-4	400
			Module-5	400
			Module-6	400
Maharashtra	Mangaon CCPP	PGPL	Block-I	388
Telangana	Astha Gas Engines	Astha	4 Engines	34.88
TN	Ind Barath Gas Project	Ind Barath	Block-I	65
Utrakhand	Kashipur CCPP	Sravanthi Energy Pvt. Ltd	Block-I	225
Uttarakhand	Beta CCPP	BIPL	GT+ST	225
Uttarakhand	Gama CCPP	GIPL	GT+ST	225
Uttarakhand	Kashipur CCPP-II	Sravanthi Energy Pvt. Ltd	GT+ST	225
		Total (Private Sector)		4334.18

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO.1354 ANSWERED IN THE LOK SABHA ON 03.03.2016.

Stalled Hydro Electric Projects

Sl. No.	Name of Project/ Executing Agency/ Capacity (MW)	State	Reasons for Stuck up	Remedial Steps taken by Government / Developer	Likely Commissioning
Central Sector					
1	Lata Tapovan, NTPC 3x57=171 MW	Uttarakhand	Construction work stopped vide Hon'ble Supreme Court order dated 7.5.14.	The matter is sub-judice.	4 years after restart of works.
2	Subansiri Lower NHPC 8x250=2000 MW	Arunachal Pradesh / Assam	Since 16.12.2011 works stopped due to agitation by various activists, fearing dam safety and downstream impacts of dam.	As decided in the tripartite meeting dated 06.12.13, discussions between Expert Group formed at the request of AASU (All Assam Students Union) and Experts of Govt. of India & NHPC was held on 23.12.13. Last meeting between Expert Group of Assam and Experts of Govt. of India was held on 02.06.14 at Guwahati. Recently, meetings with Expert Group of Assam on 10.12.2014 and with various Stakeholders of Subansiri Lower Project on 11.12.2014 were held to discuss the issues. The meetings were Co-chaired by Hon'ble MOS (I/C) for Power, Coal and New & Renewable Energy and Hon'ble MOS (I/C) for Skill Development, Entrepreneurship, Youth Affairs & Sports. As decided in the meeting, a Committee designated as "Project Oversight Committee" (POC) consisting of 4 Experts from the Expert Group of Assam and 4 Experts from Govt. of India has been constituted, which is an on-going Committee to provide guidance/oversight to examine and resolve the various issues relating to the project as also to oversee their compliance along with project implementation. 12 meetings of the POC held so far & separate reports have been submitted by POC members from the Expert Group of Assam & POC members of GOI.	4½ years after restart of works.

Private Sector					
3	Maheshwar SMHPCL 10x40= 400 MW	M. P.	Works suspended since Nov-11 due to cash flow problem with developer.	A high level committee under the chairmanship of Additional Chief Secretary (Finance) GoMP, was formed on 16th Oct, 2014 to find ways to complete the project. The committee has submitted its report on 2.5.2015. The committee has recommended three scenarios for commissioning the Maheshwar Project. Under the first scenario, another attempt to complete the project with the present private developer has been envisaged. In this regard, the promoter has submitted a firm offer for equity + debt. The matter is under discussions between various stakeholders.	1-½ year after restart of works.
4	Teesta VI Lanco Teesta Hydro Power Ltd. 4x125=500 MW	Sikkim	There is almost no progress since April, 2014. (Funds Constraints)	Meeting held in MoP on 13.01.16 to resolve the issue.	3 years after restart of works.
5	Rangit-IV Jal Power Corp. Ltd. (JPCL) 3x40= 120 MW	Sikkim	Works stopped since Oct-13 due to cash flow problem with developer.	Meeting held in MoP on 13.01.16 to resolve the issue.	2½ years after the start of works.
6	Panan Himagiri Hydro Energy Pvt Ltd. 4x75 = 300 MW	Sikkim	Major Civil Works held up for want of NGT Clearance	Meeting held in MoP on 13.01.16 to discuss the issue.	4½ years after the start of works.
7	Ratle GVK Ratle Hydro Electric Project Pvt. Ltd. 4x205+1x30=850 MW	J&K	There is no progress since July, 2014. (Local issues).		5 years after restart of works.

Total = 4341 MW

In addition to above, the following projects have major constraints which are affecting the progress of works:-

Sl. No.	Name of Project/ Executing Agency / Capacity (MW)	State	Issues / Constraints
1	Kashang - II & III HPPCL 2x65 = 130 MW	H.P.	-Works on KK Link tunnel could not start due to agitation by Lippa villagers.
2	Shahpurkandi Irr. Deptt., Pb. & PSPCL 3x33+3x33+1x8 =206 MW	Punjab	- Works of Dam (J&K side) stopped since 30.08.2014 due to inter-state disputes between Punjab and J&K Government.
3	Polavaram Polavaram Project Authority(12x80 = 960 MW)	A.P.	-Slow progress of works due to funds constraints. - Public hearing for construction of protective embankment to be held in Oddisha and Chhattisgarh as desired by MOEF.

4	Phata Byung M/s.Lanco 2x38=76 MW	Uttarakhand	- Works affected due to flash flood in June, 2013. - Slow pace of works & financial constraints.
5	Singoli Bhatwari M/s.L&T 2x33=99 MW	Uttarakhand	- Works affected due to flash flood in June, 2013. - Slow pace of works.
6	Thottiyar KSEB 1x30+1x10=40 MW	Kerala	- Works are almost standstill. The contractor has put forward a proposal for foreclosure of the Project due to their financial stringency and a detailed note regarding the same was submitted to the Board for approval.
7	Pallivasal KSEB 2x30=60 MW	Kerala	- Works are almost standstill. The Hon'ble Minister of Power, Kerala in his meeting conducted on 22/07/2015 stated that existing contract is liable to be terminated. Accordingly, the Agreement Authority has asked a foreclosure proposal from the contractor and the contractor has submitted the same to the KSEB.
8	Koyna Left Bank PSS WRD, Govt. of Maharashtra 2x40=80 MW	Maharashtra	- The current expenditure on the project has already reached to almost original administrative approved cost level hence expenditure on the project is stopped and project work is processing at very slow rate. Revised cost is under approval by State Govt.

Total = 1651 MW

**ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO.1354 ANSWERED
IN THE LOK SABHA ON 03.03.2016.**

Hydro Electric Schemes Concurred by CEA and yet to be Taken up for Construction

Sl No.	Scheme/ Sector/	Agency	Nos. x MW	IC (MW)	Est Cost (Rs Crs.) PL	CEA Concurrence	Const period /zero date	Remarks
Northern Region								
J & K								
1	Pakal Dul Central	CVPP	4x250	1000	5088.88 (07/05)	03.10.06	72 months From date of CCEA clearance	EC on 29.2.2008. Forest clearance on 6.12.2010. Decision on finalization of bidding is under approval of Board of Directors.
2	New Ganderwal (State)	JKSPDC	3x31	93	965.86 (01/14)	10.6.14	48 months 7/14	EC obtained on 27.9.13 and Forest clearance awaited
3	Kiru	CVPPL	4x156	624	4640.88 (09/2014)	Concurrence meeting held on 22.01.16	54 months/ 08/2016	EC and FC awaited.
Himachal Pradesh								
4	Kutehr Private	JSWEPL	3x80	240	1798.13*	31.8.10	60 months 10/11	EC on 05.07.2011. FC on 19.02.2013.. Validity of earlier bids has expired due to delay in obtaining Forest stage-2 clearance and acquisition of Pvt. Land. Fresh bidding are being invited.
5	Miyar Private	MHPCL	3x40	120	1125.16 (Compl.)	07.02.13	110 months 05/13	EC on 30.07.2012. FC Stage-II awaited. Funding tie-up in process. Financial closure is in process. Proposal for shifting of barrage axis in model study is under examination in CEA/CWC.
6	Chango Yangthang (Private)	MPCL	3x60	180	2077.294 (compl.)	31.03.14	58 months 04/15	EC & FC awaited.
7	Chhatru Private	DSC	3x42	126	1386.08 (Comp)	15.1.2015	75 months 06/17	EC approval is given by MoEF on 24.02.15, final clearance letter will be issued after submission of Stage-I forest clearance. FC awaited.
Uttarakhand								
8	Kotlibhel St-IA Central	NHPC	3x65	195	1095.77 (12/05)	03.10.06	54 months From date of CCEA clearance	EC on 9.5.2007. FC St - I obtained on 13.10.201.St - II awaited. The project is included in the list of 24 projects under review by Hon'ble Supreme Court.

9	Kotlibhel St-IB Central	NHPC	4x80	320	1806.43 (12/05)	31.10.06	54 months From date of CCEA clearance	MOEF declined FC. EC given earlier on 14.08.07 is withdrawn on 22.11.10. The project is included in the list of 24 projects under review by Hon'ble Supreme Court.
10	Kotlibhel St-II Central	NHPC	8x66.25	530	2535.86 (03/06)	30.11.06	60 months From date of CCEA clearance	E.C. on 23.08.2007. F.C. declined. The project is included in the list of 24 projects under review by Hon'ble Supreme Court.
11	Pala Maneri State	UJVNL	4x120	480	1922.8 (12/06)	23.02.07	53 months 10/07	EC on 7.12.2005 and FC on 6.6.2006. It is understood that the project has been discontinued by Govt. of Uttarakhand due to additional conditions for environmental safeguards.
12	Alaknanda Private	GMRL	3x100	300	1415.96*	08.08.08	69 months 03/09	EC on 12.3.08. FC on 09.11.2012.
13	Rupsiyabagar Khasiyabara Central	NTPC	3x87	261	1715.15 (05/08)	16.10.08	64 months 12/09	EC on 26.03.09. FC awaited.
14	Devsari / Central	SJVNL	3x84	252	1558.84 (06/10)	07.08.12	60 month, 01/13	EC approved on 27.12.2011. Formal letter will be issued after FC. FC awaited.
Sub- Total : NR :				4721				
WESTERN REGION								
Chhattisgarh								
15	Matnar State	CSPCPL	3x20	60	313.35 (03/04)	19.08.04		EC and FC awaited..
Sub- Total : WR :				60				
EASTERN REGION								
West Bengal								
Orissa								
16	Jalaput Dam Toe Private	OPCL	3x6	18	69.68*	31.01.03		EC and FC not applicable. OPCL failed to take up the project.
Sikkim								
17	Teesta St-IV Central	NHPC	4x130	520	3594.74 (07/09)	13.05.10	74 months From date of CCEA clearance	EC on 09.01.14. FC St-I on 26.02.2013. FC St-II awaited
Sub - Total: ER				538				
SOUTHERN REGION								
Kerala								
18	Athirappilly State	KSEB	2x80+2 x1.5	163	385.63 (2004-05)	31.03.05	42 months 03/05	EC on 09.10.15 . FC on 16.12.99.
Karnataka								
19	Gundia State	KPCL	1x200	200	1119.56 (11/07)	25.04.08	52 months 09/08	EC awaited. FC awaited. Due to implementation of Yethnabe Drinking water scheme in same catchment area, the proposed project is temporarily stalled.
Sub - Total: SR				363				

N- E Region								
Manipur								
20	Tipaimukh Central	NHPC	6x250	1500	5163.86 (12/02)	02.07.03	87 months From date of CCEA clearance	EC on 24.10.08. MOEF vide 29.08.2013 has declared diversion of 22777.50 ha to forest land falling in Manipur and vide letter dated 26.09.2013 has rejected diversion of 1551.30 ha of forest land falling in Mizoram for the project.
21 (**)	Loktak D/S Central	LDHCL	2x33	66	867.67 (10/06)	15.11.06 Concurrence transferred, from NHPC to LHDC on 6.8.12	78 months From date of CCEA clearance	EC on 16.01.2013. FC on 22.12.2014. (**) CEA declined revalidation and asked the Project developers to submit the fresh DPR with updated features & revised cost estimates. Developer submitted modified features on 25/3/15 which are under examination.
Ar. Pradesh								
22	Dibang Central	NHPC	12x250	3000	15886.39 (11/07)	23.01.08	96 months From date of CCEA clearance	EC awaited. FAC in its meeting held on 23.09.2014 has recommended FC (S&I) to the Project with reduction in dam height by 10m. Developer submitted revised PPS chapter for revised capacity of 2880 MW on 09.06.2015.
23	Dibbin Private	KSKDH PL	2x60	120	728.54*	04.12.09	48 months 10/10	EC on 23.07.12 . FC St-I obtained on 7.2.2012 & stage-II awaited .
24	Lower Siang Private	JAVL	9x300	2700	19990.74*	16.02.10	114 months 01/11	EC and FC awaited.
25	Nafra Private	SNEL	2x60	120	848.22*	11.02.11	36 months 07/11	EC 19.08.13. FC in June, 2012. Financial closure completed. Drawal held up for want of final orders on diversion of forest land.
26	Nyamjang Chhu Private	BEL	6x130	780	6115.6*	24.03.11	62 months 01/12	EC on 19.4.12. FC St-I on 9.4.2012 & St-II awaited.
27	Tawang St-I Central/	NHPC	3x200	600	4824.01 (15/10)	10.10.11	78 months From date of CCEA clearance	EC on 10.6.11. FC awaited.
28	Tato-II Private	THPPL	4x175	700	5616.20 *	22.5.12	72 months 01/12	EC on 27.6.11. FC is linked to Cumulative Impact Assessment Study of Siang Basin which has been carried out and accepted by MoEF.

29	Tawang St-II Central/	NHPC	4x200	800	6112.3 (05/10)	22.09.11 Validity extended upto 22.09.2016	83 months From date of CCEA clearance	EC on 10.06.11. FC st- I available FC St - II awaited.
30	Demwe Lower Private	ADPL	(5x342 +1x40 MW)	1750	13144.91*	20.11.09	61 months 04/11	EC on 12.02.2010. FC on 03.05.13. Financial closure yet to be obtained
31	Hirong Private	JAPL	4x125	500	5532.63*	10.04.2013	78 months 01/14	EC & FC awaited. Forest clearance is linked to Cumulative Impact Assessment Study of Siang Basin which has been carried out and accepted by MoEF.
32	Etalin Private	EHEPCL	10x307+ 1x19.6+ 1x7.4	3097	25296.95*	12.07.2013	84 months 10/14	EC awaited. FC awaited.
33	Talong Londa Private	GMR	3x75	225	2172.88*	16.08.2013	60 months 11/14	EC & FC awaited.
34	Naying Private	NDSCPL	4x250	1000	9301.11	11.09.2013	72 months 01/15	EC & FC awaited. Forest clearance is linked to Cumulative Impact Assessment Study of Siang Basin which has been carried out and accepted by MoEF.
35	Siyom	SHPPL	6x166.67	1000	12100	17.12.13	78 months 01/15	EC on 31.03.08. FC is linked to Cumulative Impact Assessment Study of Siang Basin which has been carried out and accepted by MoEF.
36	Kalai-II	Kalai PPL	5x190+1 x190+1x 60	1200	14199.64*	27.3.15	87 months,01/15	EC & FC awaited
37	Heo	HHPPL	3x80	240	1614.35	28.07.15	50 months from 09/16.	EC & FC awaited
38	Tato-I	SHPPL	3x62	186	1493.55	28.10.15	50 months From 01.11.16.	EC&FC awaited
Mizoram								
39	Kolodyne St-II Central	NTPC	4x115	460	5188.13 (10/10)	14.09.11	68 months 10/12	EC& FC awaited
Nagaland								
40	Dikhu	NMPPL	3x62	186	1994.74 (comp.)	31.03.14	52 months 01/16	EC & FC awaited
Meghalaya								
41	Kynshi - I	AKPPL	2x135	270	3154.37 09/2015	31.3.2015	60 months 09/16.	EC & FC awaited
Assam								
42	Lower Kopili	APGCL	2x55+1x 5+2x2.5	120	1115.91 (Comp)	Concurren ce meeting held on 24.08.15	48 months/ 02/16	EC and FC awaited.
Sub -Total NER				20620				
Total : All India				26302				

* : Completion Cost

EC : Environment Clearance FC: Forest Clearance

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1357
ANSWERED ON 03.03.2016**

DEMAND AND SUPPLY OF POWER

**1357. SHRI M. CHANDRAKASI:
SHRI SADASHIV LOKHANDE:
SHRI PREM SINGH CHANDUMAJRA:
DR. BHOLA SINGH:
SHRI DINESH TRIVEDI:
SHRI GOPAL SHETTY:
SHRI DEVENDRA SINGH BHOLE:
SHRI P. KUMAR:
SHRI GANESH SINGH:**

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

- (a) the total demand and supply of power along with power generated from various sources in the country along with the demand and supply of power from the Central Pool during each of the last three years and the current year, State/UT-wise;
- (b) the details of power deficient and power surplus States along with coal/fuel required for generating power during each of the last three years and the current year, plant-wise;
- (c) the details of per capita average electricity units supplied in the country each of the last three years and the current year; and
- (d) the steps taken by the Government to ensure adequate power supply to the power deficit States/UTs and to all in the country?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : The total demand and supply of power during the last three years and the current year is given at Annex-I. The power generated from various sources in the country is given at Annex-II. The details of power scheduled from Central Sector Generating Stations (Central Pool) during each of the last three years and the current year, State/UT-wise is given at Annex-III.

(b) : The details of power deficient and power surplus states/U.T, as reported by them, during each of the last three years and the current year are given at Annex-I. The details of coal and gas used by power plants for generation of power during each of the last three years and current year (upto January, 2016) are given at Annex-IV and Annex-V respectively.

.....2.

(c) : The details of per capita average electricity units supplied in the country during each of the last three years and the current year is given at Annex-VI.

(d) : The steps taken by the Government to ensure adequate power supply to the power deficit States/UTs and to all in the country are indicated below:

- (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 74871 MW from conventional sources has been achieved till 20.02.2016 and about 14,612 MW from renewable sources till 31.1.2016.**
- (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, 80501 ckm. of transmission lines and 228390 MVA of transformation capacity have been achieved till 31st January, 2016.**
- (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 Upadhyaya 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 Ujjawal Discom Assurance Yojana (UDAY) on 20.11.2015 for Operational & 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.**

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1357 ANSWERED IN THE LOK SABHA ON 03.03.2016.

Power Supply Position for 2012-13

State / System/ Region	Energy				Peak			
	April, 2012 - March, 2013				April, 2012 - March, 2013			
	Requirement (MU)	Availability (MU)	Surplus/Deficit (-) (MU) (%)		Peak Demand (MW)	Peak Met (MW)	Surplus/Deficit (-) (MW) (%)	
Chandigarh	1,637	1,637	0	0	340	340	0	0
Delhi	26,088	25,950	-138	-0.5	5,942	5,642	-300	-5.0
Haryana	41,407	38,209	-3,198	-7.7	7,432	6,725	-707	-9.5
Himachal Pradesh	8,992	8,744	-248	-2.8	2,116	1,672	-444	-21.0
Jammu & Kashmir	15,410	11,558	-3,852	-25.0	2,422	1,817	-605	-25.0
Punjab	48,724	46,119	-2,605	-5.3	11,520	8,751	-2,769	-24.0
Rajasthan	55,538	53,868	-1,670	-3.0	8,940	8,515	-425	-4.8
Uttar Pradesh	91,647	76,446	-15,201	-16.6	13,940	12,048	-1,892	-13.6
Uttarakhand	11,331	10,709	-622	-5.5	1,759	1,674	-85	-4.8
Northern Region	3,00,774	2,73,240	-27,534	-9.2	45,860	41,790	-4,070	-8.9
Chhattisgarh	17,302	17,003	-299	-1.7	3,271	3,134	-137	-4.2
Gujarat	93,662	93,513	-149	-0.2	11,999	11,960	-39	-0.3
Madhya Pradesh	49,226	44,272	-4,954	-10.1	10,077	9,462	-615	-6.1
Maharashtra	1,23,984	1,19,972	-4,012	-3.2	17,934	16,765	-1,169	-6.5
Daman & Diu	1,991	1,860	-131	-6.6	311	286	-25	-8.0
Dadar Nagar Haveli	4,572	4,399	-173	-3.8	629	629	0	0.0
Goa	3,181	3,107	-74	-2.3	524	475	-49	-9.4
Western Region	2,93,918	2,84,126	-9,792	-3.3	40,075	39,486	-589	-1.5
Andhra Pradesh	99,692	82,171	-17,521	-17.6	14,582	11,630	-2,952	-20.2
Karnataka	66,274	57,044	-9,230	-13.9	10,124	8,761	-1,363	-13.5
Kerala	21,243	20,391	-852	-4.0	3,578	3,262	-316	-8.8
Tamil Nadu	92,302	76,161	-16,141	-17.5	12,736	11,053	-1,683	-13.2
Pondicherry	2,331	2,291	-40	-1.7	348	320	-28	-8.0
Lakshadweep	36	36	0	0.0	8	8	0	0.0
Southern Region	2,81,842	2,38,058	-43,784	-15.5	38,767	31,586	-7,181	-18.5
Bihar	15,409	12,835	-2,574	-16.7	2,295	1,784	-511	-22.3
DVC	17,299	16,339	-960	-5.5	2,573	2,469	-104	-4.0
Jharkhand	7,042	6,765	-277	-3.9	1,263	1,172	-91	-7.2
Orissa	25,155	24,320	-835	-3.3	3,968	3,694	-274	-6.9
West Bengal	42,143	41,842	-301	-0.7	7,322	7,249	-73	-1.0
Sikkim	409	409	0	0.0	95	95	0	0.0
Andaman- Nicobar	241	186	-55	-22.8	48	48	0	0.0
Eastern Region	1,07,457	1,02,510	-4,947	-4.6	16,655	15,415	-1,240	-7.4
Arunachal Pradesh	589	554	-35	-5.9	116	114	-2	-1.7
Assam	6,495	6,048	-447	-6.9	1,197	1,148	-49	-4.1
Manipur	574	543	-31	-5.4	122	120	-2	-1.6
Meghalaya	1,828	1,607	-221	-12.1	334	330	-4	-1.2
Mizoram	406	378	-28	-6.9	75	73	-2	-2.7
Nagaland	567	535	-32	-5.6	110	109	-1	-0.9
Tripura	1,108	1,054	-54	-4.9	229	228	-1	-0.4
North-Eastern Region	11,566	10,718	-848	-7.3	1,998	1,864	-134	-6.7
All India	9,95,557	9,08,652	-86,905	-8.7	1,35,453	1,23,294	-12,159	-9.0

Power Supply Position for 2013-14

State / System/ Region	April, 2013 - March,2014				April, 2013 - March,2014				
	Energy			Peak					
	Requirement	Availability	Surplus / Deficit (-)		Peak Demand	Peak Met	Surplus / Deficit (-)		
	(MU)	(MU)	(MU)		(MW)	(MW)	(MW)		
Chandigarh	1574	1574	0	0	345	345	0	0	
Delhi	26,867	26,791	-76	0	6,035	5,653	-382	-6	
Haryana	43,463	43,213	-250	-0.6	8,114	8,114	0	0.0	
Himachal Pradesh	9,089	8,883	-206	-2.3	1,561	1,392	-169	-10.8	
Jammu & Kashmir	15,613	12,187	-3,426	-21.9	2,500	1,998	-502	-20.1	
Punjab	47,821	47,084	-737	-1.5	10,089	8,733	-1,356	-13.4	
Rajasthan	58,202	58,042	-160	-0.3	10,047	10,038	-9	-0.1	
Uttar Pradesh	94,890	81,613	-	13,277	-14.0	13,089	12,327	-762	-5.8
Uttarakhand	11,944	11,493	-451	-3.8	1,826	1,826	0	0.0	
Northern Region	3,09,463	2,90,880	-	18,583	-6.0	45,934	42,774	-3,160	-6.9
Chhattisgarh	18,932	18,800	-132	-0.7	3,365	3,320	-45	-1.3	
Gujarat	88,497	88,488	-9	0.0	12,201	12,201	0	0.0	
Madhya Pradesh	49,410	49,385	-25	-0.1	9,716	9,716	0	0.0	
Maharashtra	1,26,288	1,23,672	-2,616	-2.1	19,276	17,621	-1,655	-8.6	
Daman & Diu	2,252	2,252	0	0.0	322	297	-25	-7.8	
Dadar Nagar Haveli	5,390	5,388	-2	0.0	661	661	0	0.0	
Goa	3,890	3,871	-19	-0.5	529	529	0	0.0	
Western Region	2,94,659	2,91,856	-2,803	-1.0	41,335	40,331	-1,004	-2.4	
Andhra Pradesh	95,662	89,036	-6,626	-6.9	14,072	13,162	-910	-6.5	
Karnataka	64,150	58,052	-6,098	-9.5	9,940	9,223	-717	-7.2	
Kerala	21,577	21,052	-525	-2.4	3,671	3,573	-98	-2.7	
Tamil Nadu	93,508	87,980	-5,528	-5.9	13,522	12,492	-1,030	-7.6	
Pondicherry	2,344	2,320	-24	-1.0	351	333	-18	-5.1	
Lakshadweep	48	48	0	0.0	9	9	0	0.0	
Southern Region	2,77,245	2,58,444	-18,801	-6.8	39,015	36,048	-2,967	-7.6	
Bihar	15,391	14,759	-632	-4	2,465	2,312	-153	-6	
DVC	17,407	17,296	-111	-0.6	2,745	2,745	0	0.0	
Jharkhand	7,143	7,007	-136	-1.9	1,111	1,069	-42	-3.8	
Orissa	24,958	24,546	-412	-1.7	3,727	3,722	-5	-0.1	
West Bengal	42,891	42,762	-129	-0.3	7,325	7,294	-31	-0.4	
Sikkim	413	413	0	0.0	90	90	0	0.0	
Andaman- Nicobar	240	180	-60	-25.0	40	32	-8	-20.0	
Eastern Region	1,08,203	1,06,783	-1,420	-1.3	15,888	15,598	-290	-1.8	
Arunachal Pradesh	552	517	-35	-6	125	124	-1	-1	
Assam	7,544	7,062	-482	-6.4	1,329	1,220	-109	-8.2	
Manipur	579	548	-31	-5.4	134	133	-1	-0.7	
Meghalaya	1,794	1,604	-190	-10.6	343	330	-13	-3.8	
Mizoram	446	430	-16	-3.6	84	82	-2	-2.4	
Nagaland	577	561	-16	-2.8	109	106	-3	-2.8	
Tripura	1,195	1,144	-51	-4.3	254	250	-4	-1.6	
North-Eastern Region	12,687	11,866	-821	-6.5	2,164	2,048	-116	-5.4	
All India	10,02,257	9,59,829	-42,428	-4.2	1,35,918	1,29,815	-6,103	-4.5	

Power Supply Position for 2014-15

State / System/ Region	April, 2014 - March,2015				April, 2014 - March,2015			
	Energy				Peak			
	Requirement	Availability	Surplus /Deficit (-)		Peak Demand	Peak Met	Surplus/Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
Chandigarh	1,616	1,616	0	0	367	367	0	0
Delhi	29,231	29,106	-125	-0.4	6,006	5,925	-81	-1.3
Haryana	46,615	46,432	-183	-0.4	9,152	9,152	0	0.0
Himachal Pradesh	8,807	8,728	-79	-0.9	1,422	1,422	0	0.0
Jammu & Kashmir	16,214	13,119	-3,095	-19.1	2,554	2,043	-511	-20.0
Punjab	48,629	48,144	-485	-1.0	11,534	10,023	-1,511	-13.1
Rajasthan	65,717	65,310	-407	-0.6	10,642	10,642	0	0.0
Uttar Pradesh	1,03,179	87,062	-16,117	-15.6	15,670	13,003	-2,667	-17.0
Uttarakhand	12,445	12,072	-373	-3.0	1,930	1,930	0	0.0
Northern Region	3,32,453	3,11,589	-20,864	-6.3	51,977	47,642	-4,335	-8.3
Chhattisgarh	21,499	21,230	-269	-1.3	3,817	3,638	-179	-4.7
Gujarat	96,235	96,211	-24	0.0	13,603	13,499	-104	-0.8
Madhya Pradesh	53,374	53,082	-292	-0.5	9,755	9,717	-38	-0.4
Maharashtra	1,34,897	1,33,078	-1,819	-1.3	20,147	19,804	-343	-1.7
Daman & Diu	2,086	2,086	0	0.0	301	301	0	0.0
Dadar Nagar Haveli	5,307	5,304	-3	-0.1	714	714	0	0.0
Goa	3,969	3,932	-37	-0.9	501	489	-12	-2.4
Western Region	3,17,367	3,14,923	-2,444	-0.8	44,166	43,145	-1,021	-2.3
Andhra Pradesh	59,198	56,313	-2,885	-4.9	7,144	6,784	-360	-5.0
Telangana	43,337	40,644	-2,693	-6.2	7,884	6,755	-1,129	-14.3
Karnataka	62,643	59,926	-2,717	-4.3	10,001	9,549	-452	-4.5
Kerala	22,459	22,127	-332	-1.5	3,760	3,594	-166	-4.4
Tamil Nadu	95,758	92,750	-3,008	-3.1	13,707	13,498	-209	-1.5
Puducherry	2,402	2,376	-26	-1.1	389	348	-41	-10.5
Lakshadweep	48	48	0	0	8	8	0	0
Southern Region	2,85,797	2,74,136	-11,661	-4.1	39,094	37,047	-2,047	-5.2
Bihar	19,294	18,759	-535	-2.8	2,994	2,874	-120	-4.0
DVC	18,222	17,728	-494	-2.7	2,653	2,590	-63	-2.4
Jharkhand	7,599	7,390	-209	-2.8	1,075	1,055	-20	-1.9
Odisha	26,482	26,052	-430	-1.6	3,920	3,892	-28	-0.7
West Bengal	47,086	46,827	-259	-0.6	7,544	7,524	-20	-0.3
Sikkim	399	399	0	0.0	83	83	0	0.0
Andaman- Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	1,19,082	1,17,155	-1,927	-1.6	17,040	16,932	-108	-0.6
Arunachal Pradesh	677	610	-67	-9.9	139	126	-13	-9.4
Assam	8,527	7,926	-601	-7.0	1,450	1,257	-193	-13.3
Manipur	705	678	-27	-3.8	150	146	-4	-2.7
Meghalaya	1,930	1,634	-296	-15.3	370	367	-3	-0.8
Mizoram	455	425	-30	-6.6	90	88	-2	-2.2
Nagaland	688	661	-27	-3.9	140	128	-12	-8.6
Tripura	1,242	1,048	-194	-15.6	310	266	-44	-14.2
North-Eastern Region	14,224	12,982	-1,242	-8.7	2,528	2,202	-326	-12.9
All India	10,68,923	10,30,785	-38,138	-3.6	1,48,166	1,41,160	-7,006	-4.7

Power Supply Position for 2015-16

State / System/ Region	April, 2015 - January,2016				April, 2015 - January,2016			
	Energy				Peak			
	Requirement	Availability	Surplus / Deficit (-)		Peak Demand	Peak Met	Surplus/Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
Chandigarh	1,404	1,404	0	0	342	342	0	0
Delhi	25,921	25,883	-38	-0.1	5,846	5,846	0	0.0
Haryana	40,826	40,757	-69	-0.2	9,113	9,113	0	0.0
Himachal Pradesh	7,373	7,313	-60	-0.8	1,488	1,488	0	0.0
Jammu & Kashmir	13,658	11,561	-2,097	-15.4	2,544	2,158	-386	-15.2
Punjab	43,819	43,807	-12	0.0	10,852	10,852	0	0.0
Rajasthan	55,913	55,709	-204	-0.4	10,961	10,961	0	0.0
Uttar Pradesh	90,128	78,654	-11,474	-12.7	16,988	14,503	-2,485	-14.6
Uttarakhand	10,894	10,686	-208	-1.9	2,034	2,034	0	0.0
Northern Region	2,89,936	2,75,774	-14,162	-4.9	54,474	50,622	-3,852	-7.1
Chhattisgarh	21,253	20,934	-319	-1.5	3,929	3,757	-172	-4.4
Gujarat	86,332	86,328	-4	0.0	14,495	14,448	-47	-0.3
Madhya Pradesh	51,287	51,287	0	0.0	10,902	10,902	0	0.0
Maharashtra	1,17,578	1,17,125	-453	-0.4	20,973	20,594	-379	-1.8
Daman & Diu	1,943	1,943	0	0.0	307	307	0	0.0
Dadar Nagar Haveli	4,914	4,914	0	0.0	740	740	0	0.0
Goa	4,284	4,283	-1	0.0	583	552	-31	-5.3
Western Region	2,87,591	2,86,814	-777	-0.3	48,640	48,199	-441	-0.9
Andhra Pradesh	41,269	41,199	-70	-0.2	7,032	6,913	-119	-1.7
Telangana	41,469	41,163	-306	-0.7	6,854	6,849	-5	-0.1
Karnataka	52,242	49,406	-2,836	-5.4	9,715	9,335	-380	-3.9
Kerala	19,022	18,907	-115	-0.6	3,762	3,632	-130	-3.5
Tamil Nadu	79,523	78,835	-688	-0.9	13,580	13,505	-75	-0.6
Puducherry	2,011	2,003	-8	-0.4	368	350	-18	-4.9
Lakshadweep	40	40	0	0	8	8	0	0
Southern Region	2,35,536	2,31,513	-4,023	-1.7	37,801	36,786	-1,015	-2.7
Bihar	19,961	19,707	-254	-1.3	3,735	3,484	-251	-6.7
DVC	15,455	15,316	-139	-0.9	2,814	2,794	-20	-0.7
Jharkhand	6,363	6,277	-86	-1.4	1,151	1,127	-24	-2.1
Odisha	22,121	21,959	-162	-0.7	4,015	4,015	0	0.0
West Bengal	39,289	39,156	-133	-0.3	7,905	7,885	-20	-0.3
Sikkim	333	333	0	0.0	109	109	0	0.0
Andaman- Nicobar	200	150	-50	-25	40	32	-8	-20
Eastern Region	1,03,522	1,02,748	-774	-0.7	18,076	17,972	-104	-0.6
Arunachal Pradesh	505	472	-33	-6.5	138	132	-6	-4.3
Assam	7,432	6,986	-446	-6.0	1,491	1,378	-113	-7.6
Manipur	700	673	-27	-3.9	168	167	-1	-0.6
Meghalaya	1,534	1,426	-108	-7.0	400	377	-23	-5.8
Mizoram	387	373	-14	-3.6	102	101	-1	-1.0
Nagaland	632	618	-14	-2.2	140	138	-2	-1.4
Tripura	991	939	-52	-5.2	300	269	-31	-10.3
North-Eastern Region	12,180	11,485	-695	-5.7	2,573	2,356	-217	-8.4
All India	9,28,765	9,08,334	-20,431	-2.2	1,53,366	1,48,463	-4,903	-3.2

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1357 ANSWERED IN THE
LOK SABHA ON 03.03.2016.

State wise and category wise generation of the last three and current year

State	CATEGORY	Generation (MU)			
		2015-16 (up to Jan 16)*	2014-15	2013-14	2012-13
BBMB	HYDRO	10385.59	10599.78	12125.01	10944.67
DELHI	THERMAL	5476.23	8722.83	8637.67	10740.93
HARYANA	THERMAL	19129.15	28748.61	26374.22	25416.04
HIMACHAL PRADESH	HYDRO	25540.78	23319.13	21680.66	20331.49
JAMMU AND KASHMIR	HYDRO	13333.85	14485.02	12426.79	12485.81
	THERMAL	0	0	0	0
PUNJAB	HYDRO	3928.38	4039.07	3913.52	3925.85
	THERMAL	16800.74	18921.83	16817.97	18012.31
RAJASTHAN	HYDRO	795.92	863.33	1059.98	845.34
	NUCLEAR	7101.28	7722.39	9233.13	8846.88
	THERMAL	36595.35	45600.2	35558.25	32673.61
UTTAR PRADESH	HYDRO	867.62	1247.69	1241.73	1577.92
	NUCLEAR	2789.33	2890.54	2703.5	2541.14
	THERMAL	89221.07	107763.5	107897.8	100227.66
UTTARAKHAND	HYDRO	11514.42	11439.22	11025.01	12438.79
CHHATTISGARH	HYDRO	316.31	258.18	251.51	301.51
	THERMAL	71710.31	79452.39	70678.61	67814.26
GOA	THERMAL	0	12.61	241.32	245.41
GUJARAT	HYDRO	2724.99	3811.58	7106.29	4578.31
	NUCLEAR	1820.19	3529.4	3752.43	3470.22
	THERMAL	83679.14	98197.56	86339.97	82942.69
MADHYA PRADESH	HYDRO	4171.03	6299.75	9215.93	7227.71
	THERMAL	74441.95	68912.72	50430.94	43467.82
MAHARASHTRA	HYDRO	4176.04	5287.88	6255.03	5557.47
	NUCLEAR	8697.75	10269.89	9884.54	9824.31
	THERMAL	84572.17	91751.44	78560.37	76753.13
ANDHRA PRADESH	HYDRO	487.47	1862.48	2026.57	915.57
	THERMAL	46293.12	43382.94	43500.28	46094.73
KARNATAKA	HYDRO	6277.64	13160.29	13026.82	10298.61
	NUCLEAR	6332	6462.17	6539.06	5442.13
	THERMAL	26545.7	30540.83	29798.63	28334.51
KERALA	HYDRO	5354.9	6852.65	7708.18	4650.08
	THERMAL	269.42	1181.52	1541.62	2217.58
PUDUCHERRY	THERMAL	184.57	102.14	256.97	230.76
TAMIL NADU	HYDRO	3715.67	5058.95	4994.75	2868
	NUCLEAR	4068.56	5227.15	2115.13	2741.43
	THERMAL	53520.69	61132.31	55100.82	48084.49
TELANGANA	HYDRO	1188.15	4400.92	4502.16	1846.83
	THERMAL	28815.06	36501.05	34650.71	37615.77
ANDAMAN NICOBAR	THERMAL	139.19	153.76	171.49	135.81
BIHAR	THERMAL	16813.79	18272.27	14939.36	14707.45
DVC	HYDRO	173.57	267.3	225.63	199.33
	THERMAL	22931.46	25283.81	27889.66	26077.88
JHARKHAND	HYDRO	51.23	33.73	109.53	141.98
	THERMAL	13078.83	14588.15	14235.65	11378.09
ORISSA	HYDRO	4336.71	6919.49	7547.45	4939.32
	THERMAL	43184.08	44412.95	38664.74	37289.82
SIKKIM	HYDRO	3265.2	3345.29	2945.38	2596.5
WEST BENGAL	HYDRO	1755.6	2149.81	1395.56	1138.12
	THERMAL	37388.41	47592.21	44674.32	45690.42
ARUNACHAL PRADESH	HYDRO	1188.87	1109.48	980.94	1239.94
ASSAM	HYDRO	1138.15	1031.89	1215.95	1102.62
	THERMAL	2640.93	3267.95	3149.27	3099.67
MANIPUR	HYDRO	501.58	372.44	639.84	580.41
	THERMAL	0	0	0	0
MEGHALAYA	HYDRO	975.08	863.15	981.61	774.77
NAGALAND	HYDRO	156.98	165.15	245.71	213.34
TRIPURA	THERMAL	4138.8	3824.44	2366.49	1424.96
Bhutan (IMP)	HYDRO	5161.45	5007.74	5597.9	4794.5
Grand Total		921862.5	1048673	967150.3	912056.7

**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1357
ANSWERED IN THE LOK SABHA ON 03.03.2016.**

State wise Schedule in Central Generating Stations

State / UTs	April, 2012 to March, 2013	April, 2013 to March, 2014	April, 2014 to March, 2015	April, 2015 to December, 2015
	(MU)	(MU)	(MU)	(MU)
Chandigarh	990	903	844	790
Delhi	18,447	20,596	19,080	14,610
Haryana	10,951	10,654	12,094	9,999
Himachal Pradesh	5,187	5,270	5,771	5,781
Jammu & Kashmir	8,769	9,132	9,976	8,461
Punjab	12,826	15,478	17,675	14,840
Rajasthan	13,313	15,683	16,423	13,373
Uttar Pradesh	30,892	33,173	35,786	30,612
Uttarakhand	4,171	4,733	4,751	4,233
Chhattisgarh	6,967	7,287	7,777	5,800
Gujarat	24,100	27,038	31,956	23,561
Madhya Pradesh	21,502	22,110	28,809	26,170
Maharashtra	35,759	36,319	34,461	25,037
Daman & Diu	2,070	1,897	1,832	1,399
Dadra Nagar Haveli	4,362	4,229	4,101	2,927
Goa	3,354	3,396	3,403	2,523
Andhra Pradesh	22,995	25,911	16,115	9,261
Telangana			12,554	10,834
Karnataka	11,791	12,325	14,148	11,075
Kerala	10,581	10,039	11,540	8,709
Tamil Nadu	21,397	24,142	26,960	21,386
Pondicherry	2,652	2,432	2,338	1,812
Bihar	10,426	12,736	12,735	11,985
DVC	862	1,004	1,229	943
Jharkhand	2,657	2,738	2,718	2,392
Orissa	7,236	7,313	7,784	5,667
West Bengal	6,135	6,338	6,822	5,754
Sikkim	774	765	780	636
Arunachal Pradesh	531	467	464	491
Assam	4,152	3,727	4,111	3,241
Manipur	599	564	518	596
Meghalaya	900	688	865	735
Mizoram	346	317	323	323
Nagaland	412	447	432	419
Tripura	258	584	987	1,026

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1357 ANSWERED IN THE LOK SABHA ON 03.03.2016.

Coal used for power generation during last three years and current year 2015-16 (upto January)

Figures in Thousand Tonnes

Sl. No.	Name of TPS	Coal used for power generation during			
		2012-13	2013-14	2014-15	2015-16 (upto January)
I	TPS Designed on Indegenous Coal				
NORTHERN REGION					
DELHI					
1	BADARPUR TPS	4029	3613	2832	1528
2	RAJGHAT TPS	711	343	383	42
	Sub Total	4740.0	3956.0	3215.0	1570.0
HARYANA					
3	PANIPAT TPS	6571	3633	3171	924
4	YAMUNA NAGAR TPS	74	2250	2290	2126
5	RAJIV GANDHI TPS	3721	3231	4022	2603
6	INDIRA GANDHI STPP	3802	3964	5459	3641
7	MAHATMA GANDHI TPS	2209	3840	3924	2950
	Sub Total	16377.0	16918.0	18866.0	12244.0
PUNJAB					
8	GND TPS(BHATINDA)	1124	1094	950	616
9	GH TPS (LEH.MOH.)	4118	3921	2734	1845
10	ROPAR TPS	5729	5015	4080	2689
11	RAJPURA TPP			2995	3413
12	TALWANDI SABO TPP			716	1807
	Sub Total	10971.0	10030.0	11475.0	10370.0
RAJASTHAN					
13	KOTA TPS	6224	5348	5771	4335
14	SURATGARH TPS	6818	6278	6829	3202
15	CHHABRA TPP	1872	1926	3018	2270
16	KAWAI TPS		1983	4103	3384
17	KALISINDH TPS				2028
	Sub Total	14914.0	15535.0	19721.0	15219.0
UTTAR PRADESH					
18	ANPARA TPS	7605	8564	8025	7737
19	HARDUAGANJ TPS	1144	2255	2582	2212
20	OBRA TPS	3200	3258	3295	2897
21	PANKI TPS	774	673	927	463
22	PARICHHA TPS	3535	5076	4893	4400
23	TANDA TPS	2424	2910	2497	1914
24	UNCHAHR TPS	5921	5363	5024	3891
25	RIHAND STPS	11279	13080	14692	11443
26	SINGRAULI STPS	11311	11028	10221	9928
27	DADRI (NCTPP)	8452	8277	8129	5409
28	ROSA TPP Ph-I	4142	4939	5253	3997
29	ANPARA C TPS	2589	4659	5683	4739
30	BARKHERA TPS	469	437	501	304
31	MAQSOODPUR TPS	428	445	457	276
32	KHAMBARKHERA TPS	783	429	475	288
33	KUNDARKI TPS	431	447	491	313
34	UTRAULA TPS	323	477	509	354
	Sub Total	64810.0	72317.0	73654.0	60565.0
	TOTAL N. R.	111812.0	118756.0	126931.0	99968.0
WESTERN REGION					
GUJARAT					
35	SABARMATI (C STATION)	1820	1681	1829	1160
36	GANDHI NAGAR TPS	2612	1257	2183	1453

37	SIKKA REP. TPS	592	431	681	599
38	UKAI TPS	3830	3549	4551	3249
39	WANAKBORI TPS	6354	3439	5195	3398
	Sub Total	15208.0	10357.0	14439.0	9859.0
	MADHYAPRADESH		0		
40	AMARKANTAK EXT TPS	2163	2176	1457	884
41	SANJAY GANDHI TPS	6267	5888	5137	4077
42	SATPURA TPS	5499	4967	5524	3709
43	VINDHYACHAL STPS	18918	19906	20686	17621
44	BINA TPS	194	1126	1627	732
45	SASAN UMTTP		1003	8525	13574
46	SHRI SINGHAJI TPP			1565	2730
47	ANUPPUR TPP				1064
	Sub Total	33041.0	35066.0	44521.0	44391.0
	CHHATTISGARH				
48	DSPM TPS	2408	1938	2703	2387
49	KORBA-II	2321	2377	2451	1892
50	KORBA-WEST TPS	4504	4152	6845	5734
51	KORBA STPS	15295	15067	14537	12188
52	PATHADI TPP	2389	1593	1601	1553
53	BHILAI TPS	2656	2418	2262	2110
54	SIPAT STPS	11668	12285	13218	11568
55	AKALTARA TPS		646	1925	3042
56	OP JINDAL TPS	5172	5406	5694	3280
57	TAMNAR TPP			1280	2604
58	BARADARHA TPS			0	0
	Sub Total	46413.0	45882.0	52516.0	46358.0
	MAHARASHTRA		0		
59	BHUSAWAL TPS	3081	5096	5566	5202
60	CHANDRAPUR(MAHARASHTRA) STPS	11836	9754	11004	8928
61	KORADI TPS	2104	2151	2155	1771
62	KHAPARKHEDA TPS	6699	6391	6899	5862
63	NASIK TPS	3373	3408	3445	2862
64	PARLI TPS	3496	2949	3826	1097
65	PARAS TPS	2331	2826	2449	2377
66	DAHANU TPS	2748	2502	2345	1847
67	WARDHA WARORA TPP	2329	1776	693	1062
68	TIRORA TPS	445	6166	9516	9639
69	AMARAVATI TPS		593	1376	3057
70	EMCO WARORA TPS		1523	2161	2064
71	MAUDA TPS	16	690	1620	1133
72	BUTIBORI TPP			785	2023
	Sub Total	38458.0	45825.0	53840.0	48924.0
	TOTAL W.R.	133120.0	137130.0	165316.0	149532.0
	SOUTHERN REGION		0		
	ANDHRA PRADESH		0		
73	KOTHAGUDEM TPS	10105	10223	9409	7813
74	RAMAGUNDEM - B TPS	310	353	136	222
75	Dr. N.TATA RAO TPS	9812	9565	9514	7741
76	RAMAGUNDEM STPS	13130	13445	14336	10993
77	RAYALASEEMA TPS	5182	4957	5480	4515
78	KAKATIYA TPS	2481	2104	2613	1813
79	SIMHADRI	9151	10061	9774	8287
80	DAMODARAM SANJEEVAIAH TPS			0	863
81	PAINAMPURAM TPP				2003
	Sub Total	50171.0	50708.0	51262.0	44250.0
	KARNATAKA		0		
82	RAICHUR TPS	7487	7732	8525	6291
83	BELLARY TPS	2781	4236	4008	2904
	Total	10268.0	11968.0	12533.0	9195.0

	TAMIL NADU		0		
84	ENNORE TPS	965	1456	724	485
85	METTUR TPS	4564	5123	6533	5147
86	TUTICORIN TPS	6653	6224	5958	4365
87	NORTH CHENNAI TPS	3482	4488	6281	5573
88	VALLUR TPP	454	2718	3902	4263
89	TUTICORIN (JV) TPP				1053
	Sub Total	16118.0	20009.0	23398.0	20886.0
	TOTAL S.R.	76557	82685.0	87193.0	74331.0
	EASTERN REGION				
	BIHAR				
90	BARAUNI TPS	0	0	0	0
91	MUZAFFARPUR TPS	0	833	803	492
92	KAHALGAON TPS	13420	13010	13400	10799
93	BARH II			1120	1977
	Sub Total	13420.0	13843.0	15323.0	13268.0
	JHARKHAND				
94	PATRATU TPS	676	665	742	450
95	TENUGHAT TPS	2117	1602	1871	1644
96	BOKARO `B` TPS	2692	1575	1342	1242
97	CHANDRAPURA(DVC) TPS	4095	3743	3618	3136
98	MAITHON RB TPP	2997	3994	3957	3351
99	KODARMA TPP	0	1512	1325	1786
100	MAHADEV PRASAD STPP	153	4114	1106	1383
	Sub Total	12730.0	17205.0	13961.0	12992.0
	WEST BENGAL				
101	DURGAPUR TPS	1676	1505	1106	610
102	MEJIA TPS	8333	9256	8191	6366
103	BANDEL TPS	1568	1195	936	716
104	SAGARDIGHI TPS	2598	2539	2788	1438
105	SANTALDIH TPS	1596	1878	2547	2068
106	KOLAGHAT TPS	6047	5396	6175	4235
107	BAKRESWAR TPS	5280	4985	5449	3835
108	NEW COSSIPORE TPS	230	150	104	0
109	TITAGARH TPS	1038	1144	1110	477
110	SOUTHERN REPL. TPS	725	740	717	392
111	BUDGE BUDGE TPS	3545	3582	3487	2895
112	D.P.L. TPS	1632	1441	1068	1153
113	FARAKKA STPS	9211	9708	9767	7404
114	DURGAPUR STEEL TPS	1647	2763	2646	2653
115	HALDIA TPP			242	1968
	Sub Total	45126.0	46282.0	46333.0	36210.0
	ORISSA				
116	TALCHER (OLD) TPS	3166	3107	3084	2586
117	TALCHER STPS	17438	17062	17742	14783
118	IB VALLEY TPS	2921	2576	2321	2357
119	STERLITE TPP	6129	6139	5692	4633
120	DERANG TPP			0	1888
121	KAMALANGA TPS		912	3267	3366
	Sub Total	29654.0	29796.0	32106.0	29613.0
	TOTAL E.R.	100930.0	107126.0	107723.0	92083.0
	Total All India	422419.0	445697.0	487163.0	415914.0
II	Thermal Power Stations Designed on imported coal				
1	TROMBAY TPS	2849	2556	1815	2361
2	TORANGALLU TPS(SBU-I & II)	1980	2344	2310	1952
3	MUNDRA TPS	12053	15540	16152	14433
4	JSW RATNAGIRI TPP	4542	3623	3646	2751
5	UDUPI TPP	2755	2880	2803	2694
6	SALAYA TPP	1927	2786	2878	1897
7	MUNDRA UMTTP	5327	11424	10533	8139
8	SIMHAPURI TPS	675	1433	2111	2230
9	THAMMINAPATNAM TPS	62	1146	1021	967
	Sub Total	32170.0	43732.0	43269.0	37424.0
	ALL INDIA TOTAL	454589.0	489429.0	530432.0	453338.0

**ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1357
ANSWERED IN THE LOK SABHA ON 03.03.2016.**

Gas used for power generation during last three years and 2015-16 (upto January, 2016)

Figures in MMSCMD

S. No	Name of Power Station	Name of the State	Gas used for power generation during			
			2012-13	2013-14	2014-15	2015-16 (upto January, 2016)
CENTRAL SECTOR						
1	NTPC, FARIDABAD CAPP	HARYANA	1.43	1.02	0.93	0.67
2	NTPC, ANTA CAPP	RAJASTHAN	1.36	1.19	1.02	0.70
3	NTPC, AURAIYA CAPP	UTTAR PRADESH	1.74	1.12	1.05	0.93
4	NTPC, DADRI CAPP	UTTAR PRADESH	2.84	1.92	1.44	1.68
5	NTPC, GANDHAR(JHANORE) CAPP	GUJARAT	1.99	0.81	0.99	0.59
6	NTPC, KAWAS CAPP	GUJARAT	1.65	0.80	1.00	0.80
7	RATNAGIRI (RGPPL-DHABHOL)	MAHARASHTRA	2.78	0.77	0.00	0.31
8	KATHALGURI (NEEPCO)	ASSAM	1.38	1.42	1.33	1.34
9	AGARTALA GT (NEEPCO)	TRIPURA	0.72	0.73	0.78	0.69
10	MONARCHAK (NEEPCO)	TRIPURA	0.00	0.00	0.00	0.12
11	TRIPURA CAPP (ONGC)	TRIPURA	0.00	0.34	1.47	1.83
	Total (CS)		15.89	10.12	10.01	9.66
STATE SECTOR						
12	I.P.CAPP	DELHI	0.91	0.73	0.66	0.34
13	PRAGATI CCGT-III	DELHI	0.87	0.40	1.19	1.02
14	PRAGATI CAPP	DELHI	1.44	1.39	1.07	0.94
15	DHOLPUR CAPP	RAJASTHAN	0.77	0.66	0.59	0.32
16	RAMGARH (RRVUNL,Jaisalmer)	RAJASTHAN	0.75	0.90	1.31	1.57
17	PIPAVAV CAPP	GUJARAT	0.00	0.00	0.00	0.00
18	DHUVARAN CAPP(GSECL)	GUJARAT	0.47	0.11	0.01	0.17
19	HAZIRA CAPP(GSEG)	GUJARAT	0.44	0.17	0.14	0.11
20	HAZIRA CAPP EXT	GUJARAT	0.00	0.00	0.00	0.00
21	UTRAN CAPP(GSECL)	GUJARAT	0.55	0.01	0.07	0.61
22	URAN CAPP (MAHAGENCO)	MAHARASHTRA	2.43	2.12	2.29	1.81
23	KARAIKAL CAPP (PPCL)	PUDUCHERRY	0.18	0.19	0.08	0.16
24	KOVIKALPAL (TIRUMAKOTTAI)	TAMIL NADU	0.38	0.65	0.25	0.26
25	KUTTALAM (TANGEDCO)	TAMIL NADU	0.03	0.35	0.30	0.33
26	VALUTHUR CAPP(Ramanand)	TAMIL NADU	0.55	0.72	0.61	0.40
27	LAKWA GT (ASEB,Maibella)	ASSAM	0.78	0.81	0.80	0.77
28	NAMRUP CAPP + ST (APGCL)	ASSAM	0.65	0.62	0.68	0.57
29	BARAMURA GT (TSECL)	TRIPURA	0.39	0.31	0.36	0.30
30	ROKHIA GT (TSECL)	TRIPURA	0.36	0.54	0.50	0.56
	Total (SS)		11.95	10.68	10.91	10.25
PVT SECTOR						
31	VATWA CAPP (TORRENT)	GUJARAT	0.08	0.00	0.00	PLANT RETIRED
32	TROMBAY CAPP (TPC)	MAHARASHTRA	0.91	0.75	0.67	0.72
33	RITHALA CAPP (NDPL)	DELHI	0.11	0.00	0.00	0.00
34	BARODA CAPP (GIPCL)	GUJARAT	0.25	0.11	0.02	0.11
35	ESSAR CAPP **	GUJARAT	0.66	0.03	0.00	0.00
36	PAGUTHAN CAPP (GPEC)	GUJARAT	0.84	0.17	0.19	0.47
37	SUGEN CAPP (TORRENT)	GUJARAT	2.15	1.23	1.36	1.67
38	UNOSUGEN CAPP	GUJARAT	0.00	0.00	0.00	0.43
39	DGEN Mega CAPP	GUJARAT	0.00	0.00	0.00	1.35
40	GAUTAMI CAPP	ANDHRA PRADESH	0.54	0.00	0.02	0.00

41	GMR - KAKINADA (Tanirvavi)	ANDHRA PRADESH	0.24	0.00	0.00	0.00
42	GMR-Rajamundry Energy Ltd.	ANDHRA PRADESH	0.00	0.00	0.00	0.11
43	GODAVARI (SPECTRUM)	ANDHRA PRADESH	0.61	0.63	0.32	0.33
44	JEGURUPADU CCPP (GVK)	ANDHRA PRADESH	0.97	0.58	0.36	0.46
45	KONASEEMA CCPP	ANDHRA PRADESH	0.54	0.00	0.00	0.00
46	KONDAPALLI EXTN CCPP .	ANDHRA PRADESH	0.42	0.00	0.00	0.08
47	KONDAPALLI ST-3 CCPP (LANCO)	ANDHRA PRADESH	0.00	0.00	0.00	0.56
48	KONDAPALLI CCPP (LANCO)	ANDHRA PRADESH	0.98	0.75	0.19	0.16
49	PEDDAPURAM (BSES)	ANDHRA PRADESH	0.49	0.37	0.13	0.00
50	VEMAGIRI CCPP	ANDHRA PRADESH	0.47	0.09	0.00	0.38
51	VIJESWARAN CCPP	ANDHRA PRADESH	0.76	0.68	0.42	0.47
52	SRIBA INDUSTRIES	ANDHRA PRADESH	0.00	0.00	0.00	0.00
53	RVK ENERGY	ANDHRA PRADESH	0.00	0.00	0.00	0.00
54	SILK ROAD SUGAR	ANDHRA PRADESH	0.00	0.00	0.00	0.00
55	LVS POWER	ANDHRA PRADESH	0.00	0.00	0.00	0.00
56	KARUPPUR CCPP (ABAN)	TAMIL NADU	0.49	0.68	0.33	0.38
57	P.NALLUR CCPP (PPN)	TAMIL NADU	0.30	0.01	0.00	0.00
58	VALANTARVY CCPP	TAMIL NADU	0.26	0.25	0.27	0.10
59	DLF ASSAM GT	ASSAM	0.04	0.00	0.00	0.00
	Total(PVT)		12.11	6.33	4.28	7.79
	GRAND TOTAL		39.95	27.13	25.20	27.70

MMSCMD - Million Metric Standard Cubic Metres/day=MMSCM Data yearly/365

**ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 1357
ANSWERED IN THE LOK SABHA ON 03.03.2016.**

PER CAPITA CONSUMPTION (kWh)

Name of the State/UT,s	2012-13	2013-14	2014-15	2015-16#
Chandigarh	1168	1133	1052	1039
Delhi	1613	1446	1561	1527
Haryana	1722	1773	1909	1953
Himachal Pradesh	1380	1348	1336	1396
Jammu & Kashmir	1043	1066	1169	1221
Punjab	1761	1810	1858	1964
Rajasthan	982	1011	1123	1221
Uttar Pradesh	450	472	502	583
Uttarakhand	1297	1285	1358	1443
Chhattisgarh	1495	1601	1719	2067
Gujarat	1796	1973	2105	2130
Madhya Pradesh	753	764	813	968
Maharashtra	1239	1183	1257	1400
Daman & Diu	7927	8003	6960	7403
D. & N. Haveli	14341	14515	13769	14782
Goa	2045	2198	1803	1978
Andhra Pradesh	1135	1196	1040	1277
Telangana	*	*	1356	1522
Karnataka	1129	1179	1211	1314
Kerala	630	645	672	678
Tamil Nadu	1226	1544	1616	1745
Puducherry	2136	1692	1655	1767
Lakshadweep	592	665	657	671
Bihar	145	160	203	200
Jharkhand	847	810	835	886
Odisha	1209	1349	1419	1588
West Bengal	594	609	647	692
Sikkim	862	700	685	662
A.& N. Islands	559	368	361	444
Arunachal Pradesh	719	503	525	596
Assam	240	280	314	283
Manipur	353	266	295	471
Meghalaya	690	684	704	964
Mizoram	469	445	449	495
Nagaland	268	259	311	301
Tripura	296	331	303	384
Total All India	914	957	1010	1101

Projected

* Andhra Pradesh was not bifurcated in 2012-13 and 2013-14.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1378
ANSWERED ON 03.03.2016**

DISEASES DUE TO FLY ASH

1378. KUMARI SHOBHA KARANDLAJE:

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

- (a) whether a large quantity of fly ash is being generated by Raichur Thermal Power Station (RTPS), Bellary Thermal Power Station (BTPS) and private thermal power plants, functioning in Karnataka;
- (b) if so, the details thereof during the last three years, plant-wise and year-wise;
- (c) whether this fly ash is creating health related problems for the people of the nearby areas and if so, the details thereof and the manner in which the fly ash is presently being disposed of;
- (d) whether these power stations have signed any MoU with any brick kiln, cement factories to use fly ash as raw material; and
- (e) if so, the details thereof and if not, the measures proposed to be taken to get rid of this menace?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b): As per information available with Central Electricity Authority, the quantities of Fly Ash generated in Thermal Power Stations of Karnataka in last three years, plant-wise and year-wise are as follows:

Sl. No.	Name of TPS	Power Utility	Fly Ash Generation in Million Ton (2012-13)	Fly Ash Generation in Million Ton(2013-14)	Fly Ash Generation in Million Ton(2014-15)
1	RAICHUR	Karnataka Power Corporation Limited	2.4931	2.7432	2.9873
2	BELLARY	Karnataka Power Corporation Limited	0.5381	1.2993	0.9654
3	VIJAYANAGAR	JSW Energy Limited	0.2338	0.2840	0.3330
4	UDUPI	Udupi Power Corporation Limited	0.1391	0.1600	0.1400

(c) : No health related problems for the people of the nearby areas on account of fly ash has been reported by Central Electricity Authority or Karnataka Power Corporation Limited (KPCL).

Fly ash is being used for making Fly ash based bricks/blocks/tiles, manufacturing of cement, replacement of cement in concrete etc.

(d) & (e) : KPCL has entered into long term contract agreements with bulk fly ash consumers such as Cement industries. Fly ash is also being issued free of cost to Small Scale Industry (SSI) units for manufacture of building / road construction materials such as bricks, paver blocks, tiles, road dividers, etc., as per Ministry of Environment, Forest & Climate Change (MoEF&CC) stipulations.
