

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1362
ANSWERED ON 28.11.2016

**REPORT OF OVERSIGHT COMMITTEE FOR SUBANSIRI LOWER HYDEL
POWER PROJECT**

1362. SHRIMATI RANEE NARAH:

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

- (a) whether it is a fact that an eight member project oversight committee for Subansiri Lower Hydro Electric Project was formed in December, 2014 by Government;
- (b) if so, whether the committee has submitted its report to Government; and
- (c) if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : Yes, Sir. An eight member Committee named Project Oversight Committee (POC) for Subhansiri Lower Hydro Electric Project was formed by the Government on 13th January 2015.

(b) & (c) : 12 rounds of meetings / discussions were held by the POC during the period January, 2015 to February, 2016. However, due to difference of opinion on some technical issues relating to seismic aspects of Dam & its abutment, geology of the region and Spillway design, two separate reports have been submitted to the Government by POC members of Assam & Government of India in Jan./Feb., 2016 respectively.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1363
ANSWERED ON 28.11.2016

UPGRADATION OF TECHNOLOGIES FOR POWER GENERATION

1363. SHRI MD. NADIMUL HAQUE:

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

- (a) the details of steps taken by the Ministry to ensure that the power generators revive and upgrade their old plants running on outdated technologies;
- (b) whether there is any time-frame or deadline therefor; and
- (c) if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (c) : Decision to undertake Renovation and Modernization (R&M) and Life Extension (LE) works of existing old power plants or replacement with new efficient supercritical units is taken by the concerned State and Central power utilities depending on their requirement. The generating utilities plan the R&M/LE works/replacement works considering the condition of machine, grid requirements and cost effectiveness.

R&M intervention is normally done after 1,00,000 hours of operation or approx. 15 years whereas LE intervention is normally done after 1,60,000 hours of operation or approx. 25 years.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1364
ANSWERED ON 28.11.2016

RURAL ELECTRIFICATION TARGET

†1364. DR. VINAY P. SAHASRABUDDHE:

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

- (a) the extent to which the target fixed by Government for providing electricity to all the villages in the country has been achieved;
- (b) the number of villages in States/ Union Territories, at present, which have not been electrified, State-wise; and
- (c) the details of target set for electrification of every house during 2014 to 2016 and the achievements of target in percentage?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : As reported by States, there were 18,452 un-electrified census villages in the country, as on 01.04.2015. Out of these , 10,628 villages have been electrified, as on 31.10.2016. The State-wise details of un-electrified villages is given at **Annexure**.

(c) : Release of service connections to households is the responsibility of concerned State DISCOM / Power Department. Under Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), Government of India is providing free electricity connections to Below Poverty Line (BPL) households, and connections released to BPL household during the last two years are as under:

Connections released to BPL Households		
Year	Target	Achievement
2014-15	15.00 lakh	7.59 lakh
2015-16	14.00 lakh	14.39 lakh

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1364 ANSWERED IN THE RAJYA SABHA ON 28.11.2016.

State-wise number of un-electrified villages in the country to be electrified under Deendayal Upadhyaya Gram Jyoti Yojana

Sl. No.	State	Number of unelectrified villages (as on 31.10.2016)
1	Arunachal Pradesh	1233
2	Assam	1161
3	Bihar	735
4	Chhattisgarh	559
5	Himachal Pradesh	7
6	Jammu & Kashmir	102
7	Jharkhand	1246
8	Karnataka	32
9	Madhya Pradesh	125
10	Manipur	164
11	Meghalaya	254
12	Mizoram	20
13	Nagaland	60
14	Odisha	1786
15	Rajasthan	149
16	Tripura	11
17	Uttar Pradesh	93
18	Uttarakhand	73
19	West Bengal	14
Total		7824

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1365
ANSWERED ON 28.11.2016

NON-IMPLEMENTATION OF RGGVY

1365. SHRI ANAND SHARMA:

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

- (a) whether the electrification under the Rajiv Gandhi Grameen Vidyutikaran Yojana has not been started in many States;
- (b) if so, the reasons for non-implementation of the scheme; and
- (c) the action proposed to be taken by Government in this regard?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (c) : Government of India has launched Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in December, 2014 and the erstwhile Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) has been subsumed into DDUGJY as RE component of DDUGJY. Detailed Project Reports of all 28 participating States/UTs under the erstwhile RGGVY have been approved by Ministry of Power. States/DISCOMs are in different stages of implementation from tender to physical executions.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1366
ANSWERED ON 28.11.2016

ELECTRIFICATION OF VILLAGES

1366. SHRI SHWAIT MALIK:

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

- (a) the total number of villages without electricity before April, 2014; and
- (b) the total number of villages without electricity as on September, 2016?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : As reported by the States, there were 18,452 un-electrified census villages in the country, as on 01.04.2015. 8,134 villages were un-electrified as on 30.09.2016.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1367
ANSWERED ON 28.11.2016

FALL IN PRICE OF LED BULBS

1367. SHRI SHAMSHER SINGH MANHAS:
SHRI T. RATHINAVEL:

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

- (a) whether the purchase price of LED bulbs has been consistently falling over the last couple of years;
- (b) what is the total number of dwelling units provided with LED bulbs under the UJALA scheme, as on date;
- (c) whether Government is strictly following the International Energy Agency's global LED programme; and
- (d) if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : Energy Efficiency Services Limited (EESL), a joint venture company of 4 Public Sector Undertakings (PSUs) under Ministry of Power, which is the nodal agency for implementation of UJALA programme, aggregates the demand across country and procure LED bulbs in large quantity. The aggregation of demand and bulk procurement has resulted in reduction of 88% in procurement prices of LED bulbs from Rs.310/- (February 2014) to Rs.38/- (August 2016) which is passed on to the consumers (Retail price of LED bulbs reduced from Rs.550 to Rs.65 during the same period).

(b) : As on 20th November, 2016, 5.96 crore of dwelling units have been provided about 17.89 crore LED bulbs under the UJALA scheme.

(c) : No, Sir.

(d) : Does not arise.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1368
ANSWERED ON 28.11.2016

FREE CONNECTIONS TO EVERY HOUSEHOLDS

1368. DR. PRABHAKAR KORE:

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

- (a) whether Government is working on a scheme to extend financial support to States to offer new electricity connections to every household free of cost;
- (b) if so, the number of households in the country proposed to be covered under the scheme, State-wise; and
- (c) the details of scheme and the timeline for its implementation?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (c) : In order to provide access to electricity to all rural households and also ensure quality and reliability of power supply in rural areas, Government of India has launched 'Deen Dayal Upadhyaya Gram Jyoti Yojana' (DDUGJY) with an outlay of Rs.43033 crore and Budgetary support of Rs.33453 crore consisting of separation of agriculture and non-agriculture feeders, strengthening and augmentation of sub-transmission and distribution network, metering at all level and rural electrification. In addition to this, rural electrification component projects with total outlay of Rs.32860 crore including budgetary support from Government of India of Rs.29574 crore have been subsumed in DDUGJY. Under the scheme, adequate infrastructure would be created in all the villages to provide access to electricity to all households. Release of service connections to households is the responsibility of concerned State DISCOM / Power Department. Projects under the scheme are to be completed in 24 months from the date of award.

Under DDUGJY, Government of India is providing free electricity connections to BPL households. Out of total 4.27 crore connections sanctioned, free electricity connections to 2.5 crore BPL households have been provided as on 31.10.2016 under the scheme. The State-wise number of BPL connections released is given at **Annexure.**

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF
UNSTARRED QUESTION NO. 1368 ANSWERED IN THE RAJYA SABHA
ON 28.11.2016.**

**State-wise Coverage and Achievement of BPL Households under DDUGJY
(including RE component)**

Sl. No.	Name of the State	Coverage	Achievement (As on 31.10.2016)
1	Andhra Pradesh	2457287	2414555
2	Arunachal Pradesh	74679	51621
3	Assam	1794604	1210224
4	Bihar	10660852	3767019
5	Chhattisgarh	1448997	1143343
6	Gujarat	848005	842945
7	Haryana	257902	198580
8	Himachal Pradesh	19578	16290
9	Jammu & Kashmir	142885	69148
10	Jharkhand	2367897	1275170
11	Karnataka	1036966	950098
12	Kerala	192919	150305
13	Madhya Pradesh	3209701	1668407
14	Maharashtra	1621836	1221350
15	Manipur	137525	70307
16	Meghalaya	121758	104383
17	Mizoram	30643	29710
18	Nagaland	98616	54559
19	Odisha	4499998	2776723
20	Punjab	92988	92988
21	Rajasthan	1791657	1166426
22	Sikkim	13601	13601
23	Tamil Nadu	526468	502094
24	Telangana	1125306	708865
25	Tripura	208732	137962
26	Uttar Pradesh	5212392	1910948
27	Uttarakhand	238404	237921
28	West Bengal	2480034	2204398
	Grand Total	42712446	24989940

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1369
ANSWERED ON 28.11.2016

RE-ASSESSMENT OF HYDRO-POWER POTENTIAL

1369. SHRIMATI VIPLOVE THAKUR:

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

- (a) whether Government proposes to conduct the re-assessment studies of hydro-power potential of the country;
- (b) if so, the details thereof; and
- (c) the concrete measures taken/being taken by Government to promote hydropower in the country?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : The Government is planning to review the hydro power potential of the country, which was last re-assessed during 1978-87. The reassessment has been necessitated due to the availability of additional hydrological, topographical and other data about upstream and downstream water usages as well as the e-flow and other considerations mandated by the Ministry of Environment, Forests & Climate Change.

(c) : A number of remedial measures have been undertaken by the Government to incentivise the developers viz. provision of debt financing of longer tenure under National Electricity Policy, option of charging lower rate of depreciation vis-a-vis Central Electricity Regulatory Commission (CERC) norms, extending cost plus tariff regime for public and private sector hydro projects upto 15.08.2022, excluding hydro power from Renewable Purchase Obligation etc.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1370
ANSWERED ON 28.11.2016

ELECTRICITY CONNECTIONS TO ALL HOUSEHOLDS

1370. SHRI A. K. SELVARAJ:

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

- (a) whether Government had asked each State Government and Union Territory to provide electricity connections to all, once electricity reaches in a village, to achieve 100 per cent electrification;
- (b) whether this issue was discussed in the just concluded conference of Power Ministers of States and Union Territories;
- (c) if so, the details of deliberations made in the said conference; and
- (d) whether the average cost of a connection to a BPL household has been estimated at Rs.3000/- which would be borne by the Centre alone?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : Providing electricity connections to the households i.e. release of service connections to households is the responsibility of concerned State DISCOM / Power Department. Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) is targeted to provide access to electricity to all the rural households. Under DDUGJY, Government of India is providing free electricity connections to BPL households. The APL households are required to obtain electricity connections from the concerned State DISCOM / Power Department on payment as applicable.

(b) & (c): Yes, Sir. During the Power Ministers Conference held at Vadodara, States deliberated providing electricity access to all households in the country and a timeline terminating in 2019.

(d) : DDUGJY envisages free connection to BPL households. The cost is estimated to be Rs.3000 per household.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1371
ANSWERED ON 28.11.2016

ESTABLISHMENT OF ULTRA MEGA POWER PLANTS IN TELANGANA

1371. SHRI DHARMAPURI SRINIVAS:

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

- (a) whether Government has received any proposal from Telangana Government requesting for setting up of Ultra Mega Power Plants to meet the demand for power in the State;
- (b) if so, the details thereof;
- (c) the action taken by the Ministry on such request; and
- (d) the details of States which have sent proposals and which are pending with the Ministry for approval?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : No, Sir.

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

(d): Governments of Odisha, Gujarat, Jharkhand, Tamil Nadu and Bihar have requested for setting up of Ultra Mega Power Project in their states. Details of sites for different UMPPs proposed in the country is given at **Annex**.

**ANNEX REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 1371
ANSWERED IN THE RAJYA SABHA ON 28.11.2016.**

List of sites for UMPP proposed by State Governments

Sl. No	State	Site proposed by State	CEA Recommendation	Consent of State Govt.	Capacity and Name of UMPP & Status
1.	Gujarat	Mundra in village Tundawand in District Kutch,	Recommended	Consented	4000MW Mundra UMPP in Operation
2.	Madhya Pradesh	Sasan in District Singrauli.	Recommended	Consented	3960MW Sasan UMPP in operation
3.	Andhra Pradesh	Krishnapatnam in District Nellore,	Recommended	Consented	4000MW Krishnapatnam UMPP Awarded (Termination Notice issued)
4.	Jharkhand	Near Tilaiya village in Hazaribagh and Koderma Districts	Recommended	Consented	3960MW Tilaiya UMPP Awarded (Termination Notice issued)
5.	Tamil Nadu	Village Cheyyur, District Kancheepuram.	Recommended	Consented	4000MW Tamil Nadu UMPP to be awarded
6.	Odisha	Bedabahal in Sundergarh District.	Recommended	Consented	3960 MW Bedabahal UMPP to be awarded
7.	Jharkhand	Husainabad, Deoghar Distt	Recommended *	Consented	4000MW Deoghar UMPP to be awarded
8.	Bihar	Kakwara in Banka Distt	Recommended	Consented	4000MW Bihar UMPP to be awarded
9.	Chhattisgarh	Near Salka & Khameria villages in District Surguja.	Recommended	Project Closed	This UMPP has been closed.
10.	Odisha	Bijoypatna in Chandbali Tehsil of Bhadrak district for coastal location	Recommended	Consent Awaited	1st additional UMPP in Odisha
11.	Odisha	Narla & Kasinga sub division of Kalahandi District	Recommended	Consent Awaited	2 nd additional UMPP in Odisha
12.	Andhra Pradesh	Nayunipalli Vill, Prakasam Distt	Recommended	Project Closed	This UMPP has been closed.
13.	Tamil Nadu	Nagapattinam Distt.	Site Report sent to State Govt. for Action	Project Closed	State Govt. agreed to propose alternate suitable site, proposal awaited since 2014.
14.	Karnataka	Vill. Niddodi, Taluk-Manglore, Distt- Dakshin Kannada.	Site Report sent to State Govt. for Action	-	Action awaited from State Govt. since Aug'13
15.	Maharashtra	Vill- Munge , Sindhudurg Distt.	Site not visited due to local agitation	-	Location is yet to be finalized.
16.	Gujarat	Chikhali & Kov Villages, Taluk-Una, Distt. Gir Somnath	Site under investigation	-	4000MW 2nd UMPP in Gujarat
17.	UP	Etah Distt.	Site under investigation	-	4000 MW UMPP in Uttar Pradesh

*Subject to Availability of Requisite quantity of water

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1372
ANSWERED ON 28.11.2016

DEBT RECAST OF DISCOMS

1372. SHRI PALVAI GOVARDHAN REDDY:

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

- (a) whether the Cabinet has recently cleared 7 billion dollar debt recast and reforms package to boost discoms;
- (b) what are the reasons for discom's ailment;
- (c) to what extent failure in revising tariff whenever required impacts the present status of discoms; and
- (d) how the Ministry is planning to not only push efficiency in management but also to revise tariff whenever required to keep discoms alive?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : The Government of India has launched Ujwal DISCOM Assurance Yojana (UDAY) for financial and operational turnaround of State owned Power Distribution Companies (DISCOMs) on 20.11.2016. The scheme is optional for the States to join.

(b) & (c) : The main reasons for DISCOMs ailments include high cost of power, high Aggregate Technical & Commercial (AT&C) losses, high interest burden and disproportionately low tariff etc.

(d) : Participating States are to follow all commitments for improving operational and financial efficiency made in the Memorandum of Understanding (MoU) signed under UDAY.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1373
ANSWERED ON 28.11.2016

COST OF POWER FROM BARH STAGE-I AND II PROJECT

1373. SHRI NARENDRA KUMAR SWAIN:

Will the Minister of **POWER** be pleased to state whether the Ministry is aware of the fact that the procurement cost of power from Barh Stage-I and II of NTPC situated in Bihar is very high in comparison to the present procurement cost of power from Eastern Region's (ER) NTPC stations *i.e.* ₹ 3.15/Kwh approximately and currently Odisha is having increased allocation from NTPC and independent power plants?

A N S W E R

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

(SHRI PIYUSH GOYAL)

The weighted average tariff from Eastern Region's (ER) NTPC Stations including Barh Stage-II is Rs.3.51/kWh for the year 2016-17 (April-October, 2016).

The average tariff from Barh-II is Rs.4.63/kWh (April-October, 2016).

The Barh Stage-I project is under construction and not yet commissioned. The tariff for the project is determined by appropriate Regulatory Commission [Central Electricity Regulatory Commission (CERC) in this case] after completion of the project.

At present, Odisha is allocated 1663 MW power from various NTPC thermal stations and 10 MW from NTPC Solar Stations. There has not been any change in the allocation to Odisha in the current financial year. The Central Government does not make any allocation of power for Independent power plants.

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1374
ANSWERED ON 28.11.2016

POWER DISTRIBUTION COMPANIES

1374. SHRI K. K. RAGESH:

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

- (a) how many power distribution companies are currently working in India;
- (b) the details of such companies working in public and private sectors separately, State-wise; and
- (c) the turnover recorded by each of such companies during the last five years?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (c) : As per information received from the State Electricity Regulatory Commissions (SERCs), there are 92 Public/private distribution companies currently working in India. Out of these, 67 distribution companies are under Govt./Public sector and 25 distribution companies are under private sectors. State-wise details of public sector & private sector distribution companies are given at **Annexures-I & II** respectively.

As per the Report on Performance of State Power Utilities for the year 2012-13 to 2014-15, published by Power Finance Corporation Limited (PFC) Ltd., covering 55 major utilities of State Power Utilities (SEBs/unbundled utilities/Power Departments) in all the states as well as Union Territory of Puducherry and private distribution utilities in Delhi, the total revenue (Revenue from sale of power + other income + subsidy received) for utilities selling directly to consumers for the last five years is as given at **Annexure-III**

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 1374 ANSWERED IN THE RAJYA SABHA ON 28.11.2016.

LIST OF GOVT./PUBLIC DISTRIBUTION COMPANIES IN VARIOUS STATES IN INDIA

S.No.	State/Region	Name of the Distribution Company
Northern Region		
1	Haryana	Dakshin Haryana Bijli Vitran Nigam Limited (DHBVNL)
		Uttar Haryana Bijli Vitran Nigam Limited (UHBVNL)
2	Himachal Pradesh	HPSEB Limited
3	Punjab	Punjab State Power Corporation Limited (PSPCL)
4	Rajasthan	Jaipur Vidyut Vitran Nigam Limited (JVVNL)
		Ajmer Vidyut Vitran Nigam Limited(AVVNL)
		Jodhpur Vidyut Vitran Nigam Limited (JdVVNL)
5	Uttar Pradesh	Pashimanchal Vidyut Vitran Nigam Limited (PaVVNL)
		Poorvanchal Vidyut Vitran Nigam Limited,(PoVVNL)
		Madhyanchal Vidyut Vitran Nigam Limited,(MVVNL)
		Dhakshinanchal Vidyut Vitran Nigam Limited,(DVVNL)
		Kanpur Electricity Supply Company (KESCO)
6	Uttarakhand	Uttarakhand Power Corporation Limited (UPCL)
7	Delhi	New Delhi Municipal Corporation(NDMC)
8	Chandigarh	Electricity Department, UT of Chandigarh
9	J & K	Power Development Deptt.(PDD) of J&K .
Western Region		
10	Chhattisgarh	Chhattisgarh State Power Distribution Company Limited (CSPDCL)
11	Gujarat	Madhya Gujarat Vij Company Limited (MGVCL)
		Dakshin Gujarat Vij Company Limited,(DGVCL)
		Uttar Gujarat Vij Company Limited (UGVCL)
		Paschim Gujarat Vij Company Limited (PGVCL)
		Kandla Port Trust (KPT)
12	Madhya Pradesh	MP Madhya Kshetra Vidyut Vitran Company Limited,(MPMKVVCL)
		MP Paschim Kshetra Vidyut Vitran Company Limited (MPPasKVVCL)
		MP Poorvi Kshetra Vidyut Vitran Company Limited (MPPorKVVCL)
13	Maharashtra	Maharashtra State Electricity Distribution Company Limited(MSEDCL)
		Brihan Mumbai Electric Supply Company (BEST)
14	Goa	Electricity Department , Goa.
15	UT of Dadra & Nagar Haveli	Dadra & Nagar Haveli Power Distribution Corporation Ltd
16	UT of Daman & Diu	Electricity Department, UT of Daman & Diu
Southern Region		
17	Andhra Pradesh	Andhra Pradesh Eastern Power Distribution Company Limited, (APEPDCL)
		Andhra Pradesh Southern Power Distribution Company Limited (APSPDCL)

18	Telangana	Telangana State Southern Power Distribution Company Ltd.(TSSPDCL)
		Telangana State Northern Power Distribution Company Ltd (TSNPDCL)
19	Karnataka	Mangalore Electricity Supply Corporation Limited(MESCOM)
		Chamundeshwari Electricity Supply Corporation Limited(CESE)
		Gulbarga Electricity Supply Corporation Limited (GESCOM)
		Bangalore Electricity Supply Corporation Limited(BESCOM)
		Hubli Electricity Supply Corporation Limited(HESCOM)
20	Tamil Nadu	Tamil Nadu Generation and Distribution Company Limited (TENGEDCO)
21	Kerala	KSEB Limited
		Infopark, Kochi
		Technopark , Trivandrum
		Rubber Park India Pvt Limited, Ernakulam
		Cochin Special Economic Zone Authority (CSEZA), Kochi
		Cochin Port Trust, Kochi
		Thrissur Corporation, Thrissur
22	Lakshadweep	Electricity Deptt., UT of Lakshadweep.
23	Puducherry	Electricity Deptt., UT of Puducherry.
24	Andaman & Nicobar Islands	Electricity Deptt., UT of Andaman & Nicobar Islands
Eastern Region		
25	West Bengal	West Bengal State Electricity Distribution Company Limited (WBSEDCL)
		Durgapur Project Limited (DPL)
26	Sikkim	Sikkim Power Development Corporation Limited
27	Bihar	North Bihar State Power Distribution Company Ltd
		South Bihar State Power Distribution Company Ltd
28	Jharkhand	Jharkhand Bijli Vitran Nigam Limited (JBVNL)
29	Odisha	North Eastern Supply Company Limited (NESCO) #
		Western Electricity Supply Company Limited (WESCO) #
		Southern Electricity Supply Company Limited (SOUTHCO) #
		Central Electricity Supply Company Limited (CESCO)
N-Eastern Region		
30	Assam	Assam Power Distribution Company Limited (APDCL)
31	Tripura	Tripura State Electricity Corporation Limited
32	Meghalaya	Meghalaya Energy Corporation Limited
33	Manipur	Manipur State Power Distribution Company Ltd
34	Arunachal Pradesh	Department of Power, Arunachal Pradesh
35	Mizoram.	Power & Electricity Department, Mizoram.
36	Nagaland.	Department of Power, Nagaland.

- OERC revoked the Licenses of NESCO, WESCO and SOUTHCO managed by Reliance Infrastructure (RInfra) vide their Order dated 04.03.2015. Presently, these discoms are being managed by GRIDCO.

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 1374 ANSWERED IN THE RAJYA SABHA ON 28.11.2016.

LIST OF PRIVATE DISTRIBUTION COMPANIES IN VARIOUS STATES IN INDIA

S.No.	State/Region	Name of the Distribution Company
Northern Region		
1	Uttar Pradesh	Noida Power Co. Ltd (NPCL)
2	Delhi	BSES Yamuna Power Limited (BYPL)
		BSES Rajdhani Power Limited (BRPL)
		Tata Power Delhi Distribution Limited(TPDDL)
Western Region		
3	Chhattisgarh	Bhilai Steel Plant
		Jindal Steel & Power Ltd.(JSPL)
4	Gujarat	Torrent Power Limited (TPL), Ahmedabad
		Torrent Power Limited (TPL)- Surat
		Torrent Energy Limited –SEZ -Dehaj
		Mundra Port SEZ Utilities Pvt Ltd (MUPL)
		Aspen Infrastructures Ltd (Synefra), SEZ, Vadodara
		Jubilant Infrastructure Ltd, Industrial Estate, Bharuch
5	Maharashtra	Reliance Infrastructure Ltd.
		Tata Power Co. Ltd.
		Mindspace Business Parks Pvt Ltd (SEZ -IT Park Airoli)
		Maharashtra Airport Development Corporation(MIHAN Nagpur)
		Ixora Construction Pvt Ltd(SEZ Pannel)
		Quadron Business Park Ltd(SEZ IT Park Hinjewadi, Pune)
		Gigaplex Estate Pvt Ltd(SEZ-IT & ITES at Airoli)
Southern Region		
6	Kerala	Kanan Devan Hills Plantations Company Limited (KDHP)
		KINESCO Power Utility Ltd, Kochi
Eastern Region		
7	West Bengal	Calcutta Electricity Supply Co. (CESC)
		Indian Power Corporation Ltd. (IPCL)(erstwhile DPSC)
8	Jharkhand	Jamshedpur Utility & Services Company Ltd (JUSCO)
		Tata Steel Limited, Jamshedpur

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 1374 ANSWERED IN THE RAJYA SABHA ON 28.11.2016.

TOTAL REVENUE FOR UTILITIES SELLING DIRECTLY TO CONSUMERS

		(Rs. Crores)					
Region	State	Utility	2010-11	2011-12	2012-13	2013-14	2014-15
Eastern	Bihar	BSEB	3,618	5,421	4,157	--	--
		NBPDCL	--	-	880	2,724	3,366
		SBPDCL	-	-	1,444	4,191	4,610
	Bihar Total		3,618	5,421	6,481	6,915	7,976
	Jharkhand	JSEB	2,664	3,190	3,994	3,297	-
		JBVNL	-	-	-	1,251	5,165
	Jharkhand Total		2,664	3,190	3,994	4,548	5,165
	Odisha	CESU	1,798	2,155	2,499	2,915	3,027
		NESCO	1,310	1,682	2,064	1,939	1,903
		SESCO	514	668	945	959	836
		WESCO	1,690	2,025	2,422	2,513	2,658
	Odisha Total		5,312	6,530	7,930	8,325	8,424
	Sikkim	Sikkim PD	200	238	268	294	254
	Sikkim Total		200	238	268	294	254
	West Bengal	WBSEDCL	10,262	14,173	17,500	17,880	19,583
		West Bengal Total		10,262	14,173	17,500	17,880
Eastern Total			22,055	29,552	36,172	37,962	41,402
North Eastern	Arunachal Pradesh	Arunachal PD	96	99	91	93	142
		Arunachal Pradesh Total	96	99	91	93	142
	Assam	APDCL	2,058	2,209	2,488	2,866	3,549
		Assam Total	2,058	2,209	2,488	2,866	3,549
	Manipur	Manipur PD	111	123	136	142	-
		MSPDCL	-	-	-	-	379
	Manipur Total		111	123	136	142	379
	Meghalaya	MeECL	479	535	-	-	-
		MePDCL	-	-	554	561	725
	Meghalaya Total		479	535	554	561	725
	Mizoram	Mizoram PD	72	136	114	112	144
	Mizoram Total		72	136	114	112	144
	Nagaland	Nagaland PD	99	121	123	98	100
	Nagaland Total		99	121	123	98	100
	Tripura	Tripura PD	322	390	-	-	-
		TSECL	-	-	404	560	712
	Tripura Total		322	390	404	560	712
North Eastern Total			3,238	3,613	3,910	4,431	5,751
Northern	Delhi	BSES Rajdhani	6,753	8,012	8,172	8,709	9,739
		BSES Yamuna	4,192	4,803	5,551	5,505	6,285
		TPDDL	4,123	5,356	5,656	6,009	6,565
	Delhi Total		15,068	18,170	19,379	20,223	22,589
	Haryana	DHBVNL	6,048	7,067	8,407	11,454	13,399
		UHBVNL	7,079	5,907	8,523	10,254	10,678
	Haryana Total		13,127	12,974	16,930	21,708	24,077

	Himachal Pradesh	HPSEB	547	-	-	-	-
		HPSEB Ltd.	3,013	4,023	4,309	5,171	5,708
	Himachal Pradesh Total		3,560	4,023	4,309	5,171	5,708
	Jammu & Kashmir	J&K PDD	1,183	1,431	1,686	1,667	1,829
	Jammu & Kashmir Total		1,183	1,431	1,686	1,667	1,829
	Punjab	PSPCL	13,095	16,164	19,637	21,694	22,425
	Punjab Total		13,095	16,164	19,637	21,694	22,425
	Rajasthan	AVVNL	3,767	4,516	5,894	6,931	8,281
		JDVVNL	3,375	4,289	5,962	7,474	9,100
		JVVNL	5,096	6,189	7,901	8,776	10,954
	Rajasthan Total		12,238	14,994	19,757	23,181	28,335
	Uttar Pradesh	DVVN	3,644	4,167	5,244	5,880	8,803
		KESCO	948	1,022	1,172	1,594	1,935
		MVVN	3,490	3,992	4,436	5,549	6,313
		Pash VVN	6,444	7,582	9,305	10,587	11,895
		Poorv VVN	4,014	4,756	5,134	6,958	8,628
	Uttar Pradesh Total		18,540	21,519	25,292	30,567	37,575
	Uttarakhand	Ut PCL	2,691	3,166	3,524	3,885	4,466
	Uttarakhand Total		2,691	3,166	3,524	3,885	4,466
Northern Total			79,502	92,441	1,10,514	1,28,097	1,47,003
Southern	Andhra Pradesh	APCPDCL	11,251	13,653	15,898	17,061	-
		APEPDCL	3,886	4,520	5,804	6,351	7,961
		APNPDCL	4,104	4,555	5,302	6,292	-
		APSPDCL	6,319	7,192	8,223	9,564	14,466
	Andhra Pradesh Total		25,560	29,920	35,228	39,268	22,427
	Karnataka	BESCOM	8,424	9,692	11,685	12,371	13,685
		CHESCOM	1,775	1,941	2,222	2,382	2,660
		GESCOM	2,242	2,579	2,928	2,935	3,166
		HESCOM	3,120	3,902	4,628	4,441	4,878
		MESCOM	1,441	1,709	1,943	2,205	2,230
	Karnataka Total		17,002	19,823	23,406	24,334	26,619
	Kerala	KSEB	6,925	7,978	11,658	6,013	-
		KSEBL	-	-	-	5,386	10,413
	Kerala Total		6,925	7,978	11,658	11,399	10,413
	Puducherry	Puducherry PD	663	853	898	1,051	1,155
	Puducherry Total		663	853	898	1,051	1,155
	Tamil Nadu	TNEB	12,952	-	-	-	-
		TANGEDCO	9,161	22,911	31,083	36,529	42,525
	Tamil Nadu Total		22,112	22,911	31,083	36,529	42,525
	Telangana	TSNPDCL	-	-	-	-	5,682
		TSSPDCL	-	-	-	-	16,792
	Telangana Total		-	-	-	-	22,474
Southern Total			72,262	81,486	1,02,272	1,12,582	1,25,612
Western	Chhattisgarh	CSPDCL	4,368	5,553	6,715	7,112	8,396
	Chhattisgarh Total		4,368	5,553	6,715	7,112	8,396

	Goa	Goa PD	904	897	1,011	1,188	1,316
	Goa Total		904	897	1,011	1,188	1,316
	Gujarat	DGVCL	5,376	6,290	6,933	7,656	10,771
		MGVCL	3,341	3,952	4,430	4,273	5,007
		PGVCL	6,840	8,405	10,059	10,464	11,614
		UGVCL	5,523	6,488	7,593	7,673	8,288
	Gujarat Total		21,081	25,136	29,015	30,066	35,680
	Madhya Pradesh	MP Madhya Kshetra VVCL	3,579	4,352	5,277	5,695	6,499
		MP Paschim Kshetra VVCL	4,683	5,541	6,739	7,047	8,327
		MP Purv Kshetra VVCL	3,364	3,960	5,268	5,839	7,086
	Madhya Pradesh Total		11,626	13,852	17,284	18,581	21,912
	Maharashtra	MSEDCL	34,517	40,806	47,015	52,262	57,492
	Maharashtra Total		34,517	40,806	47,015	52,262	57,492
	Western Total		72,495	86,245	1,01,039	1,09,209	1,24,796
	Grand Total		2,49,553	2,93,338	3,53,908	3,92,280	4,44,564

Source: PFC

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1375
ANSWERED ON 28.11.2016

PUSH TO HYDRO-POWER GENERATION

1375. SHRI T. RATHINAVEL:

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

- (a) whether Government is considering to formulate a policy to push stalled hydropower projects and extend the benefits for renewable sources like wind and solar to hydro projects beyond 25 MW capacity;
- (b) if so, the details thereof;
- (c) whether hydro-power potential in the country has been estimated at about 150 GW with 50 GW coming from Arunachal Pradesh alone; and
- (d) whether the planned hydro-power generation capacity addition of 4,371 MW, out of the total target of 10,897 MW, during the Twelfth Five Year Plan would not be achieved?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : In order to promote clean and renewable hydro electric power and make it sustainable, a draft concept note has been prepared which envisages the following:-

- (i) Declaring all hydro power as renewable energy.
- (ii) Extending renewable energy benefits currently available to hydro power projects upto 25 MW to 100 MW hydro power projects.
- (iii) Enabling low cost credit to hydro power projects more than 100 MW.

(c) : Based on the re-assessment study carried out by the Central Electricity Authority during 1978-87, the overall hydro power potential of the country has been identified as 1,48,701 MW (approx. 150 GW), out of which the identified potential of Arunachal Pradesh is 50328 MW (approx. 50 GW).

(d) : As per information available, under 12th Plan, hydro power projects with aggregate installed capacity of 4131 MW have been commissioned upto 31.10.2016 and another 1400 MW of capacity is likely to be commissioned in balance period of 12th Plan

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1376
ANSWERED ON 28.11.2016

REPRESENTATION OF RAJASTHAN IN BBMB

†1376. SHRI RAM NARAIN DUDI:

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

- (a) whether it is a fact that Rajasthan is not being given adequate representation in the Bhakra Beas Management Board (BBMB) and if so, the reasons therefor;
- (b) the details of appointments made by Government in BBMB, since its beginning till date for the posts of full-time Members, Secretary and Additional Secretary along with their tenure and States; and
- (c) whether Government proposes to appoint any officer from Rajasthan to the post of Secretary in BBMB and if so, by when?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (c) : The Board of BBMB has representative of the rank of Additional Chief Secretary (ACS)/Principal Secretary/Secretary from Rajasthan Government. In addition, out of four key posts in BBMB Secretariat viz: Secretary, Special Secretary, Director (HRD) and Director (Security), one post each is being manned by one officer each from the partner States i.e. Punjab, Haryana, Rajasthan and Himachal Pradesh. Presently, an officer in the rank of Superintending Engineer from Rajasthan has been posted as Director/HRD in Board Secretariat. Rajasthan is also being given appropriate representation in BBMB organization and various officers from Rajasthan have been posted as per their share.

The Government of India appoints Chairman and two whole-time Members of the Board of BBMB. Since inception, by convention, Member (Power) is appointed from Punjab and Member (Irrigation) from Haryana. A list of Member (Power) and Member (Irrigation) appointed since inception is given in **Annexure-I & II** respectively.

The appointment of Secretary (BBMB) is done by Chairman BBMB and not by the Government of India.

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 1376 ANSWERED IN THE RAJYA SABHA ON 28.11.2016.

List of Officer worked/working in BBMB as Member Power

S. No.	Name of Officer (Er.)	Name of State	Period
1.	G.S. Gyani	Punjab	1.10.67 to 16.9.69
2.	V.D Sood	Punjab	24.10.69 to 16.8.73
3.	T.S. Madan	Punjab	7.11.73 to 11.8.77
4.	K.S. Bhardwaj	Punjab	12.8.77 to 31.1.78
5.	B.S. Kochar	Punjab	1.2.78 to 16.2.82
6.	J.M. Gupta	Punjab	21.5.82 to 4.12.85
7.	N.S. Grewal	Punjab	4.12.85 to 13.5.88
8.	Vacant	Punjab	14.5.88 to 2.8.88
9.	Inderjit Singh Kalra	Punjab	3.8.88 to 30.6.90
10.	Maj. Gen. P.K. Gupta, Chairman	--	1.7.90 to 22.8.90 (Addl. Charge)
11.	O.P. Jain	Punjab	23.8.90 to 12.8.91
12.	Maj. Gen. P.K. Gupta, Chairman	--	12.8.91 to 18.8.92 (Addl. Charge)
13.	Nirvair Singh	Punjab	18.8.92 to 31.5.93
14.	Maj. Gen. P.K. Gupta, Chairman	--	31.5.93 to 17.11.93
15.	B.K. Saini	Punjab	17.11.93 to 31.3.94
16.	Maj. Gen. P.K. Gupta, Chairman	--	31.3.94 to 26.4.96 (Addl. Charge)
17.	R.K. Aggarwal	Punjab	26.4.94 to 30.11.96
18.	Maj. Gen. P.K. Gupta, Chairman	--	30.11.96 to 31.8.97 (Addl. Charge)
19.	Satish Mittal	Punjab	17.3.98 to 1.11.98
20.	S.P. Sharma	Punjab	2.11.98 to 3.11.2000
21.	R.R. Oberoi, Chairman	--	4.11.2000 to 24.4.2001 (Addl. Charge)
22.	Amrik singh	Punjab	25.4.2001 to 28.2.2003
23.	Rakesh Nath, Chairman	--	1.3.2003 to 1.1.2004 (Addl. Charge)
24.	S.C. Mahajan	Punjab	2.1.2004 to 24.8.2006
25.	Amrik Singh, CE	Punjab	13.10.2006 to 14.11.2006 (Addl. Charge)
26.	N.K. Arora	Punjab	28.11.2006 to 3.12.2008
27.	U.C. Misra, Chairman	--	5.12.2008 to 29.4.2009 (Addl. Charge)
28.	V.B. Bassi	Punjab	30.4.2009 to 5.02.2011
29.	A.B. Agrawal	--	06.02.2011 to 20.02.2011 (Addl. Charge)
30.	Ashok Thapar	Punjab	21.02.2011 to 07.09.2014
31.	A.B. Agrawal	--	08.09.2014 to 06.08.2015 (Addl. Charge)
32.	Vijay Kumar Kalra	Punjab	06.08.2015 to till date

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 1376 ANSWERED IN THE RAJYA SABHA ON 28.11.2016.

List of Officer worked/working in BBMB as Member Irrigation

Sl. No.	Name of Officer (Er.)	Name of State	Period
1	B.R. Palta	Haryana	10/67 to 5/68
2	J.S. Jain	Haryana	5/68 to 8/68
3	B.S. Bansal	Haryana	9/68 to 6/70
4	K.R. Mehndiratta	Haryana	6/70 to 9/73
5	B.K.Uppal	Haryana	9/73 to 9/77
6	H.C. Dhawan	Haryana	9/77 to 7/83
7	O.P. Datta	Haryana	9/83 to 8/86
8	B.C. Malhotra	Haryana	4.9.86 to 30.4.88
9	Vacant	-	1.5.88 to 22.7.88
10	P.A. Kapoor	Haryana	23.7.88 to 1.1.92
11	D.R. Luthra	Haryana	1.1.92 to 31.12.94
12	Maj. Gen. P.K. Gupta	-	31.92.94 to 18.7.93 AN (Addl. Charge)
13	Vithal Ram	Haryana	18.7.95 to 31.8.96
14	Maj. Gen. P.K. Gupta	-	31.8.96 to 15.4.97 (Addl. Charge)
15	R. N. Aggarwal	Haryana	15.4.97 to 28.2.98
16	H.S. Grewal	Haryana	17.3.98 to 18.6.98 (Look After)
17	J.L. Gambhir	Haryana	18.6.98 to 4.9.98
18	R. N. Aggarwal	Haryana	4.9.98 to 27.4.2000
19	R.R. Oberoi	-	27.4.2000 to 23.6.2000 (Addl. Charge)
20	S.K. Duggal	Haryana	23.6.2000 to 24.11.2002
21	Balbir Singh	Haryana	5.3.2003 to 29.12.2005
22	Anil Arora	Haryana	4.1.2006 to 5.7.2006 (Look After) & regular period 5.7.2006 to 31.12.2008
23	M.K. Gupta	Haryana	31.12.2008 to 08.07.2011
24	A.B. Agrawal	-	09.07.2011 to 26.08.2011 (Addl. Charge)
25	S.L. Aggarwal	Haryana	26.8.11 AN to 25.8.2014
26	A.B. Agrawal	-	26.08.2014 to 27.07.2015 (Addl. Charge)
27	S.K. Sharma	Haryana	27.07.2015 to till date

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1377
ANSWERED ON 28.11.2016

HYDRO-POWER GENERATION

1377. SHRIMATI RAJANI PATIL:
SHRI DARSHAN SINGH YADAV:

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

- (a) the total power generated by hydropower projects in the country as on 31st October, 2016, State-wise;
- (b) the number of hydro-power projects pending for clearance as on that date along with the power generation capacity of each such project; and
- (c) the States likely to be benefited by clearance of these projects?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : The total power generated by hydro power projects in the country from 1st April, 2016 to 31st October, 2016 is 88306.78 MU (excluding power imported from Bhutan which is 4908.67 MU). The State-wise details of installed capacity and Power generation are given at **Annex-I**.

(b) & (c) : As on 31.10.2016, there are 12 Hydro Power projects having capacity 7165 MW are pending for clearance of Central Electricity Authority. The project-wise details and generating capacities of these projects are given at **Annex-II**.

As per the existing policy, 13% free power [12% towards host-State share and 1% towards Local Area Development Fund (LADF)] is allotted to the host State. In addition, the beneficiary States of the concerned region are allocated power from the hydro power projects as per the Power Purchase Agreement in accordance with the Central Allocation Formula. As such, the host State as well as the beneficiary States are likely to be benefited by clearance of these Hydro Electric Projects.

ANNEX-I

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1377 ANSWERED IN THE RAJYA SABHA ON 28.11.2016.

State wise and station wise generation during 2016-17 (up to Oct.16)

Region	State	NAME OF THE STATION	Monitored Capacity as on 31.10.2016 MW	Gen 2016-17 (upto-Oct. 16)* MU
NR	BBMB	BHAKRA H P S	1325	3576.02
		DEHAR H P S	990	2626.67
		GANGUWAL HPS	77.65	240.89
		KOTLA HPS	77.65	256.06
		PONG H P S	396	726.15
		Total		2866.3
	HIMACHAL PRADESH	ALLAIN DUHANGAN HPS	192	607.85
		BAIRA SIUL HPS	180	492.15
		BASPA HPS	300	1181.39
		BASSI HPS	60	244.62
		BUDHIL HPS	70	237.66
		CHAMERA- I HPS	540	1802.01
		CHAMERA- II HPS	300	1217.46
		CHAMERA-III HPS	231	856.45
		GIRI BATA HPS	60	105.09
		KARCHAM WANGTOO HPS	1000	3795.87
		KASHANG-I HEP	130	35.79
		KOLDAM	800	2805.48
		LARJI HPS	126	510.43
		MALANA HPS	86	314.45
		MALANA-II HPS	100	336.57
		NATHPA JHAKRI HPS	1500	5980.38
		PARBATI-III HPS	520	610.18
		RAMPUR HPS	412.02	1666.22
		SANJAY HPS	120	96.68
		Total		6727.02
	JAMMU & KASHMIR	BAGLIHAR HPS	450	1611.05
		BAGLIHAR II HPS	450	1714.39
		CHUTAK HPS	44	22.98
		DULHASTI HPS	390	1788.11
		LOWER JHELMUM HPS	105	311.69
		NIMBOO BAZDO HPS	45	44.23
		SALAL HPS	690	2781.56
		SEWA-II HPS	120	286.62
		UPPER SINDH-II HPS	105	311.45
		URI-I HPS	480	1965.52
		URI-II HPS	240	1013.06
Total		3119	11850.66	
	PUNJAB	ANANDPUR SAHIB HPS	134	511.54
		MUKERIAN HPS	207	534.18
		RANJIT SAGAR HPS	600	963.27
		SHANAN HPS	110	387.35
Total		1051	2396.34	
	RAJASTHAN	JAWAHAR SAGAR HPS	99	95.48
		MAHI BAJAJ HPS	140	109.36
		R P SAGAR HPS	172	114.93
Total		411	319.77	

	UTTAR PRADESH	KHARA HPS	72	208.39
		MATATILA HPS	30.6	59.92
		OBRA HPS	99	124.18
		RIHAND HPS	300	315.03
	Total		501.6	707.52
	UTTARAKHAND	CHIBRO (YAMUNA) HPS	240	567.63
		CHILLA HPS	144	488.4
		DHAKRANI HPS	33.75	94.57
		DHALIPUR HPS	51	142.67
		DHAULI GANGA HPS	280	803.75
		KHATIMA HPS	41.4	117.97
		KHODRI HPS	120	260.8
		KOTESHWAR HPS	400	791.83
		KULHAL HPS	30	92.79
		MANERI BHALI - I HPS	90	223.63
		MANERI BHALI - II HPS	304	1066.94
		RAMGANGA HPS	198	26.21
		SRINAGAR HPS	330	1095.85
		TANAKPUR HPS	94.2	328.68
		TEHRI ST-1 HPS	1000	1996.83
		VISHNU PRAYAG HPS	400	1733.44
	Total		3756.35	9831.99
NR Total			18432.27	55428.8
WR	CHHATTISGARH	HASDEOBANGO HPS	120	141.68
	Total		120	141.68
	GUJARAT	KADANA HPS	240	257.21
		S SAROVAR CHPH HPS	250	453.57
		S SAROVAR RBPH HPS	1200	2244.51
		UKAI HPS	300	203.9
	Total		1990	3159.19
	MADHYA PRADESH	BANSAGAR TONS-1 HPS	315	652.15
		BANSAGAR TONS-II HPS	30	47.59
		BANSAGAR TONS-III HPS	60	49.13
		BARGI HPS	90	282.66
		GANDHI SAGAR HPS	115	89.78
		INDIRA SAGAR HPS	1000	2208.08
		MADHIKHERA HPS	60	95.86
		OMKARESHWAR HPS	520	959.98
		PENCH HPS	160	232.21
		RAJGHAT HPS	45	23.66
	Total		2395	4641.1
	MAHARASHTRA	BHANDARDHARA HPS ST-II	34	15.23
		BHIRA HPS	150	249.26
		BHIRA PSS HPS	150	356.15
		BHIRA TAIL RACE HPS	80	67.49
		BHIVPURI HPS	75	61.63
		GHATGHAR PSS HPS	250	164.36
		KHOPOLI HPS	72	164.79
		KOYNA DPH HPS	36	68.72
		KOYNA-I HPS	280	328.83
		KOYNA-II HPS	320	331.8
		KOYNA-III HPS	320	307.23
		KOYNA-IV HPS	1000	451.69
		TILLARI HPS	60	56.3
		VAITARNA HPS	60	58.95
	Total		2887	2682.43
WR Total			7392	10624.4
SR	ANDHRA PRADESH	NAGARJUN SGR RBC HPS	90	1.18
		SRISAILAM HPS	770	422.76
		UPPER SILERU HPS	240	133.3
	Total		1100	557.24

	KARNATAKA	ALMATTI DPH HPS	290	321.34
		BHADRA HPS	39.2	15.87
		GERUSUPPA HPS	240	135.22
		GHAT PRABHA HPS	32	8.97
		HAMPI HPS	36	0
		JOG HPS	139.2	211.87
		KADRA HPS	150	127.69
		KALINADI HPS	855	682.83
		KALINADI SUPA HPS	100	104.4
		KODASALI HPS	120	94.01
		LIGANAMAKKI HPS	55	36.59
		MUNIRABAD HPS	28	30.43
		SHARAVATHI HPS	1035	1151.35
		SIVASAMUNDRUM HPS	42	125.18
		T B DAM HPS	36	64.75
		VARAHI HPS	460	485.14
	Total		3657.4	3595.64
	KERALA	IDAMALAYAR HPS.	75	93.68
		IDUKKI HPS.	780	911.76
		KAKKAD HPS.	50	87.4
		KUTTIYADI HPS.	125	216.65
		KUTTIYADI ADDL. EXTN.	100	94.34
		LOWER PERIYAR HPS.	180	270.68
		NARIAMANGLAM HPS	70	166.74
		PALLIVASAL HPS.	37.5	121.35
		PANNIAR HPS.	30	52.12
		PORINGALKUTTU HPS.	32	74.76
		SABARIGIRI HPS.	300	499.31
		SENGULAM HPS.	48	91.74
		SHOLAYAR HPS.	54	94.45
	Total		1881.5	2774.98
	TAMIL NADU	ALIYAR HPS.	60	42.79
		BHAWANI BARRAGE III HPS	30	16.57
		BHAWANI BARRAGE-II HPS	30	17.86
		BHAWANI KATTAL	30	18.71
		KADAMPARI HPS.	400	145.78
		KODAYAR HPS.	100	97.91
		KUNDAH HPS.	555	555.18
		LOWER METTUR HPS.	120	82.63
		METTUR DAM HPS.	50	35.05
		METTUR TUNNEL HPS.	200	79.7
		MOYAR HPS	36	46.18
		PAPANASAM HPS.	32	54.34
		PARSON`S VALLEY HPS.	30	11.5
		PERIYAR HPS.	140	93.94
		PYKARA HPS.	59.2	12.7
		PYKARA ULTMATE HPS.	150	139.73
		SARKARPATHY HPS.	30	41.01
		SHOLAYAR HPS.	95	214.76
		SURULIYAR HPS.	35	29.07
	Total		2182.2	1735.41
	TELANGANA	LOWER JURALA HPS	240	175.24
		LOWER SILERU HPS	460	367.61
		NAGARJUN SGR HPS	815.6	118.53
		NAGARJUN SGR LBC HPS	60	0
		POCHAMPAD HPS	27	31.63
		PRIYADARSHNI JURALA HPS	234	211.99
		PULICHINTALA HPS	30	7.41
		SRISAILAM LB HPS	900	373.81
	Total		2766.6	1286.22
SR Total			11587.7	9949.49

ER	DVC	MAITHON HPS.	63.2	98.09
		PANCHET HPS.	80	103.09
	DVC Total		143.2	201.18
	JHARKHAND	SUBERNREKHA HPS.	130	30.23
	Total		130	30.23
	ORISSA	BALIMELA HPS.	510	533.67
		HIRAKUD HPS	347.5	532.04
		MACHKUND HPS	114.75	350.28
		RENGALI HPS.	250	479.79
		UPPER INDRAVATI HPS.	600	973.45
		UPPER KOLAB HPS.	320	387.17
	Total		2142.25	3256.4
	SIKKIM	CHUZACHEN HPS	99	434.21
		JORETHANG LOOP	96	328.75
		RANGIT HPS	60	255.56
		TEESTA V HPS	510	2219.21
		TEESTA-III HPS	0	0.21
	Total		765	3237.94
	WEST BENGAL	JALDHAKA HPS ST-I	36	158.53
		PURULIA PSS HPS.	900	691.85
		RAMMAM HPS.	50	185.83
		TEESTA LOW DAM-III HPS	132	462.1
		TEESTA LOW DAM-IV HPS	160	479.86
	Total		1278	1978.17
ER Total			4458.45	8703.92
NER	ARUNACHAL PRADESH	RANGANADI HPS.	405	1049.06
	Total		405	1049.06
	ASSAM	KARBI LANGPI HPS.	100	310.64
		KOPILI HPS.	225	789.46
	Total		325	1100.1
	MANIPUR	LOKTAK HPS.	105	479.52
	Total		105	479.52
	MEGHALAYA	KHONDONG HPS.	50	146.59
		KYRDEMKULAI HPS.	60	39.76
		MYNTDU(LESHKA) St-1 HPS	126	348.35
		UMIAM HPS ST-I	36	80.29
		UMIAM HPS ST-IV	60	138.63
	Total		332	753.62
	NAGALAND	DOYANG HPS.	75	217.87
	Total		75	217.87
NER Total			1242	3600.17
ALL INDIA HYDRO			43112.42	88306.78
IMPORT	Bhutan (IMP)	Bhutan (IMP)		4908.67
	Total			4908.67
IMPORT Total				4908.67
GRAND Total			43112.42	93215.45

* PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT

Note: Generation from stations of 25 MW and above only.

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 1377 ANSWERED IN THE RAJYA SABHA ON 28.11.2016.

Details of Hydro Electric Projects pending for clearance in CEA

(As on 31.10.2016)

S. No.	Hydro Electric Project	State	Developer	Installed Capacity (MW)
1	Kwar HEP	J&K	CVPP	540
2	Sawalkot HEP	J&K	JKPDC	1856
3	Jelam Tamak HEP	Uttarakhand	THDCIL	108
4	Bowala Nand Prayag HEP	Uttarakhand	UJVNL	300
5	Dagmara HEP	Bihar	BSHPCCL	130
6	Umngot HEP	Meghalaya	MCPGCL	210
7	Subansiri Middle (Kamla) HEP	Arunachal Pradesh	KHEPCL	1800
8	Attunli HEP	Arunachal Pradesh	AHEPCL	680
9	Loktak D/S HEP	Manipur	LDHCL	66
10	Mago Chu HEP	Arunachal Pradesh	SMCPCL	96
11	Kirthai II HEP	J &K	JKPDC	930
12	Dugar HEP	H.P	DHPL	449
	Total			7165

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1378
ANSWERED ON 28.11.2016

NTPC UNITS IN TRIBAL AND RURAL AREAS

†1378. SHRI RAM VICHAR NETAM:

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

- (a) the details of NTPC units established in tribal and rural areas of the country;
- (b) the details of problems that occurred in these units during the last three years and the current year; and
- (c) the details of steps taken to prevent such recurring problems in these units?

A N S W E R

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

(SHRI PIYUSH GOYAL)

- (a) : NTPC units set up in tribal and rural areas are given at **Annex**.
- (b) : No major problem has occurred in operation of these units during the last three years and the current year.
- (c) : In view of reply to (b) above, question doesn't arise.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1378 ANSWERED IN THE RAJYA SABHA ON 28.11.2016.

A. NTPC Units set up in Tribal area

I. NTPC owned Thermal Power Projects

S. No.	State (District)	Project	Fuel Type	Capacity (MW)
1.	Chhattisgarh (Korba)	Korba	Coal	2600
2.	Assam (Kokrajhar)	Bongaigaon	Coal	250 (Remaining 500 MW under construction)

B. NTPC Units set up in rural areas

II. NTPC owned Thermal Power Projects

S. No.	State (District)	Project	Fuel Type	Capacity (MW)
1.	Andhra Pradesh (Visakhapatnam)	Simhadri	Coal	2000
2.	Bihar (Bhagalpur)	Kahalgaoon	Coal	2340
3.	Bihar (Patna)	Barh	Coal	1320
4.	Chhattisgarh (Bilaspur)	Sipat	Coal	2980
5.	Gujarat (Bharuch)	Jhanor-Gandhar	Gas	657
6.	Gujarat (Surat)	Kawas	Gas	656
7.	Haryana (Faridabad)	Faridabad	Gas	432
8.	Kerala (Alappuzha)	Kayamkulam	Naphtha	360
9.	Madhya Pradesh (Singrauli)	Vindhyachal	Coal	4760
10.	Maharashtra (Nagpur)	Mouda	Coal	1660
11.	Odisha (Angul)	Talcher-Kaniha	Coal	3000
12.	Odisha (Angul)	Talcher-Thermal	Coal	460
13.	Rajasthan (Baran)	Anta	Gas	419
14.	Telangana (Karimnagar)	Ramagundam	Coal	2600
15.	Uttar Pradesh (Ambedkar Nagar)	Tanda-I	Coal	440
16.	Uttar Pradesh (Auraiya)	Auraiya	Gas	663
17.	Uttar Pradesh (Gautam Budh Nagar)	Dadri	Coal	1820
18.	Uttar Pradesh (Gautam Budh Nagar)	Dadri	Gas	830
19.	Uttar Pradesh (Rae Bareli)	Unchahar	Coal	1050
20.	Uttar Pradesh (Sonebhadra)	Rihand	Coal	3000
21.	Uttar Pradesh (Sonebhadra)	Singrauli	Coal	2000
22.	West Bengal (Murshidabad)	Farakka	Coal	2100

III. NTPC owned Hydro Power Projects

1.	Himachal Pradesh (Bilaspur)	Koldam	800
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IV. NTPC owned Solar Power Projects

1.	Andhra Pradesh (Ananthapuramu)	Ananthapuramu	250
2.	Haryana (Faridabad)	Faridabad	5
3.	Madhya Pradesh (Rajgarh)	Rajgarh	50
4.	Odisha (Angul)	Talcher	10
5.	Telangana (Karim Nagar)	Ramagundam	10
6.	Uttar Pradesh (Gautam Budh Nagar)	Dadri	5
7.	Uttar Pradesh (Rae Bareli)	Unchahar	10
8.	Uttar Pradesh (Sonebhadra)	Singrauli	15

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.1379
ANSWERED ON 28.11.2016

**IMPLEMENTATION OF AMENDED POLLUTION CONTROL RULES IN
THERMAL POWER PLANTS**

1379. DR. R. LAKSHMANAN:

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

- (a) whether Government has formulated any plan to implement the amended pollution control rules in all the thermal power plants across the country in a time bound manner;
- (b) if so, the details thereof;
- (c) whether any funds have been earmarked for this purpose;
- (d) if so, the details thereof; and
- (e) if not, the reasons therefor?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : New Pollution Norms for Thermal Power Plants (TPPs) were notified by Ministry of Environment, Forests and Climate Change on 07.12.2015, Central Electricity Authority (CEA) has convened 3 meetings in Feb./March, 2016 with stakeholders i.e. Central/State/Private Power Utilities to sensitize them to prepare implementation plan for installation of requisite Air Pollution control Equipments in their existing coal based thermal plants enabling them to meet new Emission Norms.

Government on 21.09.2016 has constituted a Committee under the Chairmanship of Chairman, CEA for preparing a phasing plan for implementation of Environmental norms.

(c) to (e) : Funding for implementation of new environmental norms shall be arranged by respective Central/State/Private Power Utilities.
