

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.62
ANSWERED ON 08.08.2013

RURAL ELECTRIFICATION

*62. SHRI NRIPENDRA NATH ROY:
SHRI JAGADANAND SINGH:

Will the Minister of POWER
be pleased to state:

- (a) whether some States are lagging behind in rural electrification under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) and if so, the details thereof and the reasons therefor;
- (b) the details of the villages partially electrified and fully electrified so far under the Scheme along with the details of the villages that are yet to be covered, State/UT-wise;
- (c) the targets fixed for implementation of the Scheme in various States and the target achieved so far, State/UT-wise along with the reasons for not achieving the targets;
- (d) the details of the proposals received from various States/UTs for loan/grants under the Scheme during the 12th Five Year Plan period and the decision taken by the Government on such proposal, State/UT-wise; and
- (e) the details of the proposals taken up by the Rural Electrification Corporation (REC) for electrification of rural areas in each State and the amount sanctioned and spent so far during the 11th and 12th Five Year Plan periods?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(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. 62 ANSWERED IN THE LOK SABHA ON 08.08.2013 REGARDING RURAL ELECTRIFICATION.

(a) : The progress of rural electrification works in the country under RGGVY is generally satisfactory. However, the progress in some States is comparatively slow mainly on account of the following reasons.

- Delay in forest clearance for the land proposals required for execution of the projects in few districts in Jharkhand and Odisha.
- Delay in execution of work in district Latehar, Palamu and Garwha of Jharkhand due to contractual issues.
- Delays in land acquisition in some States particularly in Bihar for 33/11 KV sub-stations by States.
- Poor upstream rural electricity infrastructure in some States, particularly in Jharkhand.
- Difficult terrain in some States, mostly North Eastern States and Jammu & Kashmir.
- Law & order problem including Maoist Violence, in a few districts in some States among these Chhattisgarh, Jharkhand, Odisha and parts of Bihar are more seriously affected.

(b) & (c) : Under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), during 10th and 11th Five Year Plan, 648 projects have been sanctioned covering electrification of 1,12,975 un-electrified (UE) villages, intensive electrification of 3,88,740 partially electrified (PE) villages and release of free electricity connections to 2.77 crore BPL households in the country. Cumulatively, as on 30.06.2013, the electrification works in 1,07,415 UE villages and 2,98,211 PE villages have been completed and free electricity connections to 2.09 crore BPL households have been released. The details are at Annex-I.

(d) : Proposal for continuation of RGGVY during the 12th and 13th Five Year Plans has been finalized. After approval of the same, projects received from the various states will be taken up for consideration as per the approved guidelines.

(e) : The details of the proposals sanctioned along with the project cost and subsidy amount disbursed by REC under RGGVY, as on 30.06.2013, is at Annex-II.

ANNEX REFERRED TO IN PARTS (b) & (c) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 62 ANSWERED IN THE LOK SABHA ON 08.08.2013 REGARDING RURAL ELECTRIFICATION.

State wise coverage & achievement of un-electrified villages, partially electrified villages and release of free electricity connection to BPL households under RGGVY							
As on 30.06.2013							
Sl. No.	State	Un-electrified Villages		Partially Electrified Villages		BPL connections	
		Coverage	Achievement	Coverage	Achievement	Coverage	Achievement
1	Andhra Pradesh*	0	0	26628	26570	2766573	2766603
2	Arunachal Pradesh	2081	1795	1526	1094	53337	30797
3	Assam	8230	8047	12907	12385	1227824	976742
4	Bihar	24894	22807	18717	5176	5551558	2374825
5	Chhattisgarh	1736	1107	16098	12813	1220281	996652
6	Gujarat*	0	0	16228	15806	832933	832933
7	Haryana*	0	0	6593	4676	250409	194461
8	Himachal Pradesh	95	83	12734	10534	17215	15376
9	Jammu & Kashmir	234	183	3247	2895	79991	57395
10	Jharkhand	18912	18105	6359	5739	1469830	1298825
11	Karnataka	62	62	25271	24680	915607	861390
12	Kerala*	0	0	1272	181	117464	52970
13	Madhya Pradesh	889	601	49359	25008	1895189	997171
14	Maharashtra*	0	0	41921	36713	1217315	1192471
15	Manipur	882	616	1378	574	107369	29554
16	Meghalaya	1866	1678	3239	2341	109696	89045
17	Mizoram	137	94	570	346	30917	15144
18	Nagaland	105	88	1167	1069	72861	38732
19	Odisha	14722	14391	29324	25163	3047561	2836707
20	Punjab*	0	0	11840	5295	168860	80404
21	Rajasthan	4238	4144	34401	33308	1432261	1151402
22	Sikkim	25	25	413	383	12108	9832
23	Tamil Nadu*	0	0	10402	9673	525571	501202
24	Tripura	148	143	658	620	117163	100495
25	Uttar Pradesh	28006	27750	22973	2982	1988663	1045022
26	Uttarakhand	1511	1511	9263	9221	269560	234593
27	West Bengal	4202	4185	24252	22966	2282444	2169045
	Total	112975	107415	388740	298211	27780560	20949788

*In the States of Andhra Pradesh, Gujarat, Haryana, Kerala, Maharashtra, Punjab and Tamil Nadu, no un-electrified village was proposed in the DPRs by these States. However, intensive electrification of already electrified villages are being undertaken in these States.

ANNEX REFERRED TO IN PART (e) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 62 ANSWERED IN THE LOK SABHA ON 08.08.2013 REGARDING RURAL ELECTRIFICATION.

State-wise details of projects sanctioned, cost of projects and subsidy disbursed by REC under RGGVY as on 30.06.2013.

Rs. in crore

Sr. No.	State	No. of projects sanctioned	Sanctioned Project Cost	Subsidy disbursed by REC
1	Andhra Pradesh	26	907.94	722.86
2	Arunachal Pradesh	16	1016.18	770
3	Assam	23	2851.29	2171
4	Bihar	54	7592.58	3497
5	Chhattisgarh	18	1378.20	859
6	Gujarat	25	359.81	262.92
7	Haryana	21	219.02	158.94
8	Himachal Pr.	12	341.17	261.36
9	J & K	14	933.21	717.78
10	Jharkhand	22	3479.30	2757
11	Karnataka	27	1021.80	695.48
12	Kerala	14	237.59	108.8
13	Madhya Pradesh	52	2878.52	1589.48
14	Maharashtra	35	850.17	527
15	Manipur	9	381.83	266
16	Meghalaya	7	466.91	365.73
17	Mizoram	8	317.22	214.26
18	Nagaland	11	270.20	207.35
19	Orissa	32	3812.71	2983.21
20	Punjab	17	186.91	54.44
21	Rajasthan	40	1327.36	992.09
22	Sikkim	4	217.92	155.59
23	Tamil Nadu	29	484.68	289.66
24	Tripura	4	199.08	158.37
25	Uttar Pradesh	86	8281.69	3126.26
26	Uttarakhand	13	766.43	617.52
27	West Bengal	29	2946.89	2052.95
	Total	648	43726.61	26581.85

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.72
ANSWERED ON 08.08.2013

ALLOCATION OF POWER

*72. SHRI NAMA NAGESWARA RAO:
SHRI SHIVARAMA GOUDA:

Will the Minister of POWER
be pleased to state:

- (a) the details of the criteria for allocation of power from the Central pool to various States and the allocation made therefrom to various States during each of the last three years and the current year, State/UT-wise;
- (b) the allocation of surplus power made to various States during the said period, State/UT and year-wise;
- (c) whether the supply of surplus power to Andhra Pradesh has been reduced to accommodate other beneficiaries and if so, the details thereof;
- (d) whether some States particularly the Southern States including Karnataka are facing acute shortage of power and if so, the details thereof along with the details of the proposals received from various States to increase the allocation of power, State/UT-wise; and
- (e) the action taken by the Government thereon along with the steps being taken to overcome the shortage of power in the country?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(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. 72 ANSWERED IN THE LOK SABHA ON 08.08.2013 REGARDING ALLOCATION OF POWER.

(a) : Power from Central Generating Stations (CGS) to beneficiary States/Union Territories is allocated in accordance with formula for allocation of power which is being treated as guidelines from April, 2000. As per these guidelines, allocation of power is made to the States/UTs in two parts, namely firm allocation of 85% and 15% unallocated power for allocation by the Government for meeting the urgent/overall requirement. The firm allocation includes allocation of 12% free power to the affected States and 1% for local area development in case of Hydro Power Stations and 10% (not free) power to the home State in case of Thermal and Nuclear Power Stations. The balance 72%/75% power (for hydro/thermal) is distributed amongst the States / UTs of the region in accordance with the pattern of central plan assistance and energy consumption during the previous five years, both factors having equal weightage. Central plan assistance is determined in accordance with the Gadgil formula, in which population of the states is also taken into consideration. In case of joint venture projects, the equity contributing states get benefit in firm allocation in accordance with their equity contribution.

The State/UT-wise details of power allocated from CGS to various states during last three years and current year is given at Annex-I.

(b) & (c): There is no surplus power in the Central pool other than the power allocated to a beneficiary State / UT but not used and surrendered by that State/UT. Such surrendered power is of Delhi and DVC from the Indira Gandhi Thermal Power Station (IGTPS), Jhajjar/NTPC stations of Eastern Region. The details of re-allocation of such surrendered power to various States/UTs is at Annex-II. Depending on the demand and shortage situation of the various States/UTs, Andhra Pradesh has been allocated this surplus power as per details at Annex-II.

(d) & (e) : There is an overall shortage of power in most of the States in the country. The shortage of power varies from State to State on month to month and day to day basis depending upon the demand and availability of power. During the current year i.e. 2013-14 (up to June, 2013), States of Jammu & Kashmir, Uttar Pradesh, Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Bihar, Assam, Manipur, Meghalaya and Tripura faced energy shortage more than the overall energy shortage in the country.

The details of proposals received from various States in the country to increase the allocation and action taken thereon are enclosed at Annex-III.

The measures taken/being taken by the Government to overcome the shortage of power in the country inter alia are:

- (i) Acceleration in generating capacity addition during 12th Plan with a proposed target of 88,537 MW (excluding 30,000 MW renewable) against an achievement of 54,964 MW during 11th Plan.
- (ii) Rigorous monitoring of capacity addition of the on-going generation projects.
- (iii) Development of Ultra Mega Power Projects of 4000 MW each to reap benefits of economies of scale.
- (iv) Advance planning of generation capacity addition projects for 12th Plan.
- (v) Augmentation of domestic manufacturing capacity of power equipment through Joint Ventures.
- (vi) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (vii) To meet the shortfall in coal supplies to thermal power stations from indigenous sources, the power utilities have been advised to import coal.
- (viii) Renovation, modernization and life extension of old and inefficient generation units.
- (ix) Strengthening of inter-state and inter-regional transmission capacity for optimum utilization of available power.
- (x) Strengthening of sub-transmission and distribution network as a major step towards loss reduction.
- (xi) Promoting energy conservation, energy efficiency and demand side management measures.

ANNEX REFERRED TO IN PART (a) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 72 ANSWERED IN THE LOK SABHA ON 08.08.2013 REGARDING ALLOCATION OF POWER.

The State-wise details of power allocated during peak hours from CGS to various states during last three years and current year

S.N	States	allocation as on 31.3.2011	allocation as on 31.3.2012	allocation as on 31.3.2013	allocation as on 31.7.2013
		(MW)	(MW)	(MW)	(MW)
	Northern Region				
1	Chandigarh	209	204	211	223
2	Delhi (UT)	4098	3897	4232	4178
3	Haryana	1939	1945	2224	2402
4	Himachal Pradesh	1160	1156	1219	1031
5	Jammu & Kashmir	1607	1603	1700	1708
6	Punjab	2027	2045	2113	2448
7	Rajasthan	2257	2374	2831	2830
8	Uttar Pradesh	5420	5520	5779	6017
9	Uttarakhand	750	796	844	879
10	Railways/Powergrid	102	102	102	102
	Western Region				
11	Gujarat	2588	2768	3368	3368
12	Madhya Pradesh	2444	2553	4527	4527
13	Chhattisgarh	701	805	1127	1127
14	Maharashtra	3634	3853	6781	6681
15	Goa	437	444	491	491
16	Daman & Diu (UT)	155	165	319	319
17	DNH (UT)	531	566	906	856
18	DAE/Powergrid	21	17	17	17
	Southern Region				
19	Andhra Pradesh	2768	3306	3675	3633
20	Karnataka	1500	1672	1810	1807
21	Tamil Nadu	3329	3282	3766	3747
22	Kerala	1296	1626	1633	1636
23	Puducherry (UT)	386	394	396	392
24	NLC	100	100	100	100
25	Powergrid	6	6	6	6
	Eastern Region				
26	Bihar	1662	1742	1802	2002
27	Jharkhand	551	526	562	558
28	DVC	168	168	5990	5983
29	Odisha	1544	1544	1705	1687
30	West Bengal	1225	1225	1403	1382
31	Sikkim	149	149	150	150
32	Powergrid	1	1	1.26	1
	North Eastern				
33	Arunachal Pradesh	139	134	134	134
34	Assam	811	721	746	746
35	Manipur	123	123	123	123
36	Meghalaya	212	212	212	212
37	Mizoram	76	74	74	74
38	Nagaland	88	80	80	80
39	Tripura	105	105	105	105

Two UTs - Andaman & Nicobar Islands and Lakshadweep are not allocated any unallocated power.

ANNEX REFERRED TO IN PARTs (b) & (c) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 72 ANSWERED IN THE LOK SABHA ON 08.08.2013 REGARDING ALLOCATION OF POWER.

Date	Description of quantum of power allocated	States / UTs
20.08.2010	45 MW surrendered share of DVC from NTPC Stations of ER	Bihar
02.02.2011	55 MW surrendered share of DVC from NTPC Stations of ER	Assam
05.10.2011	231.17 MW surrendered share of Delhi from IGSTPS, Jhajjar	Andhra Pradesh
09.12.2011	35 MW surrendered share of DVC from NTPC Stations of ER	Tamil Nadu
29.03.2012	181.17 MW surrendered share of Delhi from IGSTPS, Jhajjar	Andhra Pradesh
29.03.2012	50 MW surrendered share of Delhi from IGSTPS, Jhajjar	Kerala
28.06.2012	131.17 MW surrendered share of Delhi from IGSTPS, Jhajjar	Andhra Pradesh
18.01.2013	131 MW from surrendered share of Delhi from IGSTPS, Jhajjar	Jammu & Kashmir
18.04.2013	131.17 MW from surrendered share of Delhi from IGSTPS, Jhajjar	Uttar Pradesh
23.04.2013	68.83 MW from surrendered share of Delhi from IGSTPS, Jhajjar	Uttar Pradesh
23.04.2013	45 MW from surrendered share of Delhi from IGSTPS, U-III, Jhajjar	Andhra Pradesh
23.04.2013	40 MW from surrendered share of Delhi from IGSTPS, U-III, Jhajjar	Kerala
20.05.2013	50 MW from surrendered share of Delhi from IGSTPS, U-I, Jhajjar	Kerala
20.05.2013	181.17 MW from surrendered share of Delhi from IGSTPS, U-I, Jhajjar	Andhra Pradesh

ANNEX REFERRED TO IN PARTS (d) & (e) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 72 ANSWERED IN THE LOK SABHA ON 08.08.2013 REGARDING ALLOCATION OF POWER.

Sr. No	State	Dates of Request/ proposal received	Quantum of increase / additional allocation requested.	Action taken
1.	Tamil Nadu	March, 2012	Entire 2,000 MW power of Kudankulam.	Kudankulam power has already been allocated to all Southern Region States as per the allocation guidelines.
		May,2012	Additional 1,000 MW unallocated power	100 MW unallocated power out of the total available unallocated power of 150 MW from the 1 st Unit (1,000x1) of Kudankulam has been allocated to Tamil Nadu on 27 th September, 2012.
2.	Andhra Pradesh	July, 2012	300 MW unallocated power of Kudankulam	Allocation of the unallocated power of Kudankulam would be as per the allocation guidelines.
		July,2012	Additional 500 MW unallocated power	The quantum of unallocated power in the CGSs being limited, the allocation depends on the demand and shortage situation of the States/UTs.
		November, 2012	231.17 MW of IGSTPS, Jhajjar	181.17 MW surrendered share of Delhi of IGSTPS, Jhajjar was allocated to Andhra Pradesh.
		March, 2013	281.17 MW of IGSTPS, Jhajjar.	226 MW surrendered share of Delhi of IGSTPS, Jhajjar was allocated to Andhra Pradesh.
3.	Karnataka	August,2012	Additional 300-500 MW unallocated power	The quantum of unallocated power in the CGSs being limited, the allocation depends on the demand and shortage situation of the States/UTs.
4.	Kerala	October, 2012	362.34 MW of IGSTPS, Jhajjar (surrendered power of Delhi)	100 MW was allocated to Kerala.
		November, 2012	Re-allocation of 135 MW unallocated power of ER	It was not found possible to allocate the unallocated power of Eastern Region to Kerala in view of higher shortages being faced by other States in Southern Region.
		January, 2013	100 MW pooling power with Kayamkulam	
		March, 2013	362.34 MW of IGSTPS, Jhajjar	90 MW surrendered share of Delhi of IGSTPS, Jhajjar was allocated to Kerala.
5.	Bihar	January, 2013	Maximum assistance to overcome shortages.	150 MW unallocated power of NTPC stations of ER was allocated on 23 rd April, 2013 to Bihar.
		June, 2013	100 MW unallocated power	50 MW allocated from unallocated power of ER to Bihar
6.	Assam	March,2013	700 MW unallocated power	It was not found possible to allocate the additional power to Assam.
7.	Punjab	April, 2013	500 MW unallocated power	398 MW allocated from unallocated power of Northern Region to Punjab.
8.	Jammu & Kashmir	June, 2013	150 MW unallocated power	150 MW allocated from Western Region to Jammu & Kashmir.
9.	Uttar Pradesh	April, 2013	200 MW from IGSTPS, Jhajjar.	200 MW from IGSTPS, Jhajjar allocated to Uttar Pradesh.
10.	Uttarakhand	July, 2013	200 MW unallocated power	50 MW allocated from unallocated power of Northern Region to Uttarakhand.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.692
ANSWERED ON 08.08.2013

POWER PLANTS IN PRIVATE SECTOR

†692. SHRIMATI KAMLA DEVI PATLE:

Will the Minister of POWER
be pleased to state:

- (a) the details of the power plants being operated/under construction in the private sector at present in the country, State-wise;
- (b) whether the Government exercises any control over the said private power companies in terms of providing benefits/facilities to their staff/workers; and
- (c) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : The State wise details of power plants operating as on 30.06.2013 in the private sector in the country is at Annex-I. The State wise details of Thermal and Hydro power plants under construction (as on 30.06.2013) in private sector in the country are at Annex-II and III, respectively.

(b) : No, Madam.

(c) : Does not arise in view of reply at (b) above.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 692 ANSWERED IN THE LOK SABHA ON 08.08.2013.

STATE-WISE DETAILS OF POWER PLANTS OPERATING IN THE PRIVATE SECTOR

S. No.	State	CATEGORY	Name of Utility	NAME OF THE STATION
1	DELHI	THERMAL	NDPL	RITHALA CCPP
2	HARYANA	THERMAL	JhPL(HR)	MAHATMA GANDHI TPS
3	HIMACHAL PRADESH	HYDRO	ADHPL	ALLAIN DUHANGAN HPS
4	HIMACHAL PRADESH	HYDRO	E.P.P.L.	MALANA-II HPS
5	HIMACHAL PRADESH	HYDRO	JHPL	BASPA HPS
6	HIMACHAL PRADESH	HYDRO	MPCL	MALANA HPS
7	HIMACHAL PRADESH	HYDRO	JKHPCL	KARCHAM WANGTOO HPS
8	HIMACHAL PRADESH	HYDRO	LGPPL	BUDHIL HPS
9	RAJASTHAN	THERMAL	RWPL (JSW)	JALIPA KAPURDI TPP
10	UTTAR PRADESH	THERMAL	LANCO	ANPARA C TPS
11	UTTAR PRADESH	THERMAL	BEPL	KHAMBARKHERA TPS
12	UTTAR PRADESH	THERMAL	BEPL	BARKHERA TPS
13	UTTAR PRADESH	THERMAL	BEPL	MAQSOODPUR TPS
14	UTTAR PRADESH	THERMAL	BEPL	KUNDARKI TPS
15	UTTAR PRADESH	THERMAL	BEPL	UTRAULA TPS
16	UTTAR PRADESH	THERMAL	RPSCCL	ROSA TPP Ph-I
17	UTTARAKHAND	HYDRO	JPPVL	VISHNU PRAYAG HPS
18	CHHATTISGARH	THERMAL	ACB	KASAIPALLI TPP
19	CHHATTISGARH	THERMAL	SVPPL	SVPL TPP
20	CHHATTISGARH	THERMAL	VESPL	KATGHORA TPP
21	CHHATTISGARH	THERMAL	JPL	OP JINDAL TPS
22	CHHATTISGARH	THERMAL	LANCO	PATHADI TPP
23	CHHATTISGARH	THERMAL	SCPL	RATIJA TPS
24	GOA	THERMAL	RELIANCE	GOA CCPP (Liq.)
25	GUJARAT	THERMAL	CGPL	MUNDRA UMTTP
26	GUJARAT	THERMAL	APL	MUNDRA TPS
27	GUJARAT	THERMAL	EPGL	SALAYA TPP
28	GUJARAT	THERMAL	TOR. POW. (AECO)	SABARMATI (C STATION)
29	GUJARAT	THERMAL	TOR. POW. (AECO)	SABARMATI (D-F STATIONS)
30	GUJARAT	THERMAL	GIPCL	SURAT LIG. TPS
31	GUJARAT	THERMAL	ESSAR	ESSAR CCPP
32	GUJARAT	THERMAL	GIPCL	BARODA CCPP
33	GUJARAT	THERMAL	GTE CORP	PEGUTHAN CCPP
34	GUJARAT	THERMAL	TOR. POW. (SUGEN)	SUGEN CCPP
35	GUJARAT	THERMAL	TOR. POW. (AECO)	UNOSUGEN CCPP
36	GUJARAT	THERMAL	TOR. POW. (AECO)	VATWA CCPP
37	MADHYA PRADESH	THERMAL	BPSCL	BINA TPS
38	MADHYA PRADESH	THERMAL	ESSARRPMPL	MAHAN TPP
39	MADHYA PRADESH	THERMAL	RPL	SASAN UMTTP
40	MAHARASHTRA	THERMAL	EEL	EMCO WARORA TPS
41	MAHARASHTRA	THERMAL	GEPL	GEPL TPP Ph-I

42	MAHARASHTRA	THERMAL	APL	TIRORA TPS
43	MAHARASHTRA	THERMAL	WPCL	WARDHA WARORA TPP
44	MAHARASHTRA	THERMAL	IEPL	BELA TPS
45	MAHARASHTRA	THERMAL	JSWEL	JSW RATNAGIRI TPP
46	MAHARASHTRA	THERMAL	AMNEPL	MIHAN TPS
47	MAHARASHTRA	THERMAL	VIP	BUTIBORI TPP
48	MAHARASHTRA	THERMAL	IBPL	AMARAVATI TPS
49	MAHARASHTRA	THERMAL	RIL (DAHANU)	DAHANU TPS
50	MAHARASHTRA	THERMAL	TATA PCL	TROMBAY TPS
51	MAHARASHTRA	HYDRO	TATA MAH.	BHIVPURI HPS
52	MAHARASHTRA	HYDRO	TATA MAH.	BHIRA HPS
53	MAHARASHTRA	HYDRO	TATA MAH.	BHIRA PSS HPS
54	MAHARASHTRA	HYDRO	TATA MAH.	KHOPOLI HPS
55	MAHARASHTRA	THERMAL	TATA PCL	TROMBAY CCPP
56	MAHARASHTRA	HYDRO	DLHP	BHANDARDHARA HPS ST-II
57	ANDHRA PRADESH	THERMAL	APGCL	VIJESWARAN CCPP
58	ANDHRA PRADESH	THERMAL	SEPL	SIMHAPURI TPS
59	ANDHRA PRADESH	THERMAL	MEL	THAMMINAPATNAM TPS
60	ANDHRA PRADESH	THERMAL	LVS POWER	LVS POWER DG
61	ANDHRA PRADESH	THERMAL	BSES(P)	PEDDAPURAM CCPP
62	ANDHRA PRADESH	THERMAL	GAUTAMI	GAUTAMI CCPP
63	ANDHRA PRADESH	THERMAL	GVKP&IL	JEGURUPADU CCPP
64	ANDHRA PRADESH	THERMAL	KONA	KONASEEMA CCPP
65	ANDHRA PRADESH	THERMAL	KONDAPALI	KONDAPALLI EXTN CCPP .
66	ANDHRA PRADESH	THERMAL	KONDAPALI	KONDAPALLI CCPP
67	ANDHRA PRADESH	THERMAL	SPGL	GODAVARI CCPP
68	ANDHRA PRADESH	THERMAL	VEMAGIRI	VEMAGIRI CCPP
69	ANDHRA PRADESH	THERMAL	GMR energy	GMR Energy Ltd - Kakinada
70	KARNATAKA	THERMAL	JSWEL	TORANGALLU TPS(SBU-I)
71	KARNATAKA	THERMAL	JSWEL	TORANGALLU TPS(SBU-II)
72	KARNATAKA	THERMAL	UPCL	UDUPI TPP
73	KARNATAKA	THERMAL	BELLARY	BELLARY DG
74	KARNATAKA	THERMAL	TATA PCL	BELGAUM DG
75	KERALA	THERMAL	BSES(C)	COCHIN CCPP (Liq.)
76	TAMIL NADU	THERMAL	IBPIL	TUTICORIN (P) TPP
77	TAMIL NADU	THERMAL	MADURAI P	SAMAYANALLUR DG
78	TAMIL NADU	THERMAL	SAMALPATI	SAMALPATTI DG
79	TAMIL NADU	THERMAL	VASAVI	B. BRIDGE D.G
80	TAMIL NADU	THERMAL	ST-CMSECP	NEYVELI TPS(Z)
81	TAMIL NADU	THERMAL	ABAN POWR	KARUPPUR CCPP
82	TAMIL NADU	THERMAL	PENNA	VALANTARVY CCPP
83	TAMIL NADU	THERMAL	PPNPGCL	P.NALLUR CCPP
84	JHARKHAND	THERMAL	ADHUNIK	MAHADEV PRASAD STPP
85	JHARKHAND	THERMAL	MPL	MAITHON RB TPP
86	JHARKHAND	THERMAL	TATA PCL	JOJOBERA TPS
87	ORISSA	THERMAL	GMR energy	KAMALANGA TPS
88	ORISSA	THERMAL	SEL	STERLITE TPP
89	SIKKIM	HYDRO	GIL	CHUJACHAN HPS
90	WEST BENGAL	THERMAL	DPSCLTD	CHINAKURI TPS
91	WEST BENGAL	THERMAL	CESC	BUDGE BUDGE TPS
92	WEST BENGAL	THERMAL	CESC	NEW COSSIPORE TPS
93	WEST BENGAL	THERMAL	CESC	SOUTHERN REPL. TPS
94	WEST BENGAL	THERMAL	CESC	TITAGARH TPS

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 692
ANSWERED IN THE LOK SABHA ON 08.08.2013.

Thermal Projects under construction in private sector in the country

Sl. No.	Name of Project	Implementing Agency	Capacity (MW)
	Andhra Pradesh		
1	Bhavanpadu TPP2X660 MW	M/s East Coast Energy	1320
2	NCC TPP2X660 MW	NCC Power Projects Ltd	1320
3	Pynampuram TPP 2X660 MW	Thermal Power Tech Corporation Ltd	1320
4	Simhapuri Energy Pvt Ltd Ph-II U-3&4, 2X150 MW	Madhucon Projects Ltd.	300
5	Thamminapatnam TPP-II U-3 & 4, 2X350 MW	Meenaksha Energy Ltd.	700
6	Vizag TPP U-1 & 2 2X525 MW	Hinduja National Power Corp. Ltd	1050
	Bihar		
7	Jas Infra TPP Ph-I U-1, 660 MW	JICPL	660
	Chhattisgarh		
8	Akaltara (Naiyara) TPP 4X600 MW	Wardha PCL (KSK)	2400
9	AvanthaBhandar TPP, U-1 600 MW	Korba West Power Co. Ltd.	600
10	Balco TPP 2X300 MW	Bharat Aluminium Co. Ltd	600
11	Bandakhar TPPU-1 300 MW	M/s Maurti Clean Coal & Power Ltd	300
12	Baradarha TPP 2X600 MW	D.B. Power Ltd	1200
13	Binjkote TPP, 4X300 MW	M/s SKS Power Generation (Chhattisgarh) Ltd.	1200
14	Chakabura TPP U-1, 30 MW	ACB India	30
15	Lanco Amarkantak TPS-II U-3-4, 2X660 MW	LAP Pvt. Ltd.	1320
16	Raigarh TPP (Visa) U-1, 600 MW	Visa Power Ltd	600
17	Raikheda TPP, 2X 685 MW	GMR	1370
18	Salora TPP2X135 MW	M/s Vandana Vidyut	270
19	Singhitarai TPP 2X600 MW	Athena Chhattisgarh Power Ltd	1200
20	Swastic TPP, U-1 25 MW	M/s ACB	25
21	Tamnar TPP (Raigarh) 4X600 MW	O.P.Jindal	2400
22	TRN Energy TPP2X300 MW	M/s TRN Energy Pvt. Ltd.	600
23	Uchpinda TPP4X360 MW	RKM Powergen Pvt. Ltd	1440
	Jharkhand		
24	Mata shriUsha TPP-Ph-I, 2X270 MW	M/s Corporate Power Ltd	540
25	Mata srhiUsha TPP-Ph-II, 2X270 MW	Corporate Power Ltd	540
26	Tori TPP, U 1, 600 MW	Essar Power	600
	Maharashtra		
27	Amravati TPP Ph-IU-2,3,4,5 4X270 MW	India Bulls	1080
28	Amravati TPP Ph-IIU-1,2,3,4,5 5X270 MW	India Bulls	1350
29	DhariwalInfracture TPP 2x300	DhariwalInfracture (P) Ltd	600
30	EMCO Warora TPP, U-2, 300 MW	EMCO Energy Ltd.(GMR)	300
31	LancoVidarbha TPP , 2x660 MW	Lanco Vidarbha	1320
32	Nasik TPP Ph-I5x270 MW	India Bulls	1350
33	Nasik TPP Ph-II5x270 MW	India Bulls	1350
34	Tirora TPP Ph-II2x660 MW	Adani Power Ltd	1320

	Madhya Pradesh		
35	Anuppur TPP Ph-I 2X600 MW	MB Power MP	1200
36	Mahan TPP, U-2600 MW	Essar Power MP Ltd	600
37	Nigri TPP 2X660 MW	Jaiprakash Power Ventures Ltd	1320
38	Sasan UMPP , U-1,2,4,5,6, 5X660	Reliance Power Ltd.	3300
39	Seioni TPP Ph-I, 600 MW	Jhabua Power Ltd	600
	<i>Orissa</i>		
40	Derang TPP, 2X600 MW	JITPL	1200
41	Ind Bharat TPP (Orissa) 2X350 MW	Ind. Bharat	700
42	Kamalanga TPPU-2,3 2X350 MW	GMR	700
43	KVK Nilanchal TPP , 3X350 MW	KVK Nilachal	1050
44	Lanco Babandh TPP, 2X660 MW	Lanco Babandh Power Ltd	1320
45	Malibrahmani TPP (Monnet Ispat) 525 MW	MPCL	525
	<i>Punjab</i>		
46	Goindwal Sahib TPP 2X270 MW	GVK Power	540
47	Rajpura TPP (Nabha) 2X700 MW	Nabha Power Ltd	1400
48	Talwandi Sabo TPP 3X660 MW	M/s Sterlite	1980
	<i>Rajasthan</i>		
49	Kawai TPP U-1-2, 2x660 MW	Adani Power Ltd.	1320
	<i>Tamil Nadu</i>		
50	Melamaruthur TPP 2X600	Coastal Energen	1200
51	Tuticorin TPP (Ind- Barath TPP) U-1	IBPIL	660
52	Tuticorin TPP-II (Indbarath) U-2	IndBarath	150
	<i>Uttar Pradesh</i>		
53	Lalitpur TPP 3X660 MW	Lalitpur power Generation Co. Ltd. 660 MW	1980
54	Prayagraj (Bara) TPP 3X660	Prayagraj power Gen. Co.Ltd(J.P.Power Ventures)	1980
	<i>West Bengal</i>		
55	Haldia TPP-I 2X300	M/s Haldia Energy Ltd.	600
		Total	56900

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 692 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Hydro projects under construction in private sector in the country

Sl. No.	Name of Project	Implementing Agency	Capacity (MW)
Himachal Pradesh			
1.	Sorang 2x50 MW	Himachal Sorang Power	100
2.	Tangnu Romai- I 2x22 MW	Tangu Romai Power Generation	44
3.	Bajoli Holi 3x60 MW	GMR Bajoli Holi Hydro Power Pvt. Ltd.	180
4.	Tidong-I 2x50 MW	M/s Nuziveedu Seeds	100
Uttarakhand			
5.	Shrinagar 4x82.5 MW	M/s GVK Industries	330
6.	Phata Byung 76 MW	M/s Lanco	76
7.	Singoli Bhatwari 3x33 MW	L&T Uttaranchal Hydro Power Limited	99
Madhya Pradesh			
8.	Maheshwar 10x40 MW	SMHPCL	400
Sikkim			
9.	Teesta- III 6x200 MW	Teesta Urja Ltd.	1200
10.	Teesta- VI 4x125 MW	M/s Lanco	500
11.	Rangit-IV 3x40 MW	Jal Power Corpn. Ltd.	120
12.	Jorethang Loop 2x48 MW	M/s DANS Energy	96
13.	Bhasmey 3x17 MW	Gati Infrastructure	51
14.	Tashiding 2x48.5 MW	Shiga Energy Pvt. Ltd.	97
15.	Dikchu 3x32 MW	Sneha Kinetic Power Projects Pvt. Ltd.	96
16.	Rangit-II 2x33 MW	Sikkim Hydro Power Ltd.	66
17.	Rongnichu 2x48 MW	Madhya Bharat Power Corporation Ltd.	96
		Total	3651

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.696
ANSWERED ON 08.08.2013

RGGVY IN RAJASTHAN

†696. SHRI RATAN SINGH:

Will the Minister of POWER
be pleased to state:

- (a) whether the Union Government is aware that only twenty eight thousand families were provided power connection during the year 2012-13 under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) in the Bharatpur area of Rajasthan against the target of forty five thousand families living Below Poverty Line;
- (b) if so, the reasons therefor and the reaction of the Government thereto; and
- (c) the steps being taken by the Union Government for speedy implementation of the works under RGGVY in the Bharatpur area of Rajasthan?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (c) : Under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), the project of district Bharatpur of Rajasthan was sanctioned during 11th Five Year Plan covering release of free electricity connections to 43,231 Below Poverty Line (BPL) households. At the end of financial year 2012-13, free electricity connections were released to 40,098 BPL households which includes connections released to 3,116 BPL households during 2012-13. Cumulatively, as on 30.06.2013, free electricity connections have been released to 40,309 BPL families in Bharatpur under RGGVY.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.701
ANSWERED ON 08.08.2013

PENDING POWER PROJECTS

701. SHRI ABDUL RAHMAN:
SHRI C. RAJENDRAN:
SHRI NALIN KUMAR KATEEL:

Will the Minister of POWER
be pleased to state:

- (a) the details of the power projects in various States including Tamil Nadu pending for approval with the Union Government at present;
- (b) the reasons for the delay in according clearance for the said projects along with the time-frame for clearance of those proposals, proposal-wise;
- (c) the time-frame for completion of those power projects, project-wise; and
- (d) the time by which the country is likely to be self-reliant in power sector along with the steps being taken by the Government in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (c): After the enactment of Electricity Act, 2003, concurrence of Central Electricity Authority (CEA) is not required for setting up of new thermal power projects. As such, no thermal power project including from the state of Tamil Nadu is pending for approval with CEA. However, concurrence of CEA is required for setting up of Hydro Projects estimated to involve capital expenditure exceeding such sum as may be fixed from time to time, by notification by the Central Government. According to the guidelines, in case the Hydro Electric Scheme is found to be technically acceptable with necessary inputs to be furnished by the developers, CEA shall accord concurrence for implementation of the hydro electric scheme, as far as practicable within a period of 90 (ninety) working days from the date of submission of Detailed Projects Reports (DPR) complete in all aspects.

DPRs of 21 hydro electric projects (upto 31.07.2013) with an aggregate installed capacity of 7,724 MW are under examination in CEA/Central Water Commission (CWC)/Geological Survey of India (GSI). Details of hydro electric projects under examination in CEA/CWC/GSI and their present status of examination are given at Annex. No DPR of hydro electric project located in the State of Tamil Nadu is under examination in CEA/CWC/GSI.

(d) : Keeping in view the growing demand for power, 88,537 MW of fresh capacity comprising 10,897 MW Hydro, 72,340 MW Thermal and 5,300 MW Nuclear, is planned to be added during the Twelfth Five Year Plan Period. With the implementation of the targeted capacity by the end of Twelfth Five Year Plan, the country is likely to be self-reliant in power sector.

Several measures have been initiated by the Government to achieve the new capacity addition target. These include:

- (i) Rigorous monitoring of capacity addition of ongoing generation projects at the highest level by the Hon'ble Minister of State for Power (Independent Charge), Planning Commission, Cabinet Secretariat, Secretary (Power) and Chairperson of Central Electricity Authority.
- (ii) Periodic joint review of issues related to supply of power equipment from BHEL by a Group under the Chairmanship of Secretary (Heavy Industry) and Secretary (Power).
- (iii) Formation of several new joint ventures to manufacture super-critical boilers and turbine-generators for thermal power plants.
- (iv) Introduction of web-based monitoring system.
- (v) Sensitization of stake-holders to enlarge the vendor base to meet Balance of Plants requirements.

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 701 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Hydro-Electric Schemes under Examination in CEA/ CWC/ GSI

(As on 31.07.2013)

Sl. No.	Scheme/ (State)	Installed Capacity (MW)	Month of Receipt	Status
1	Kiru (J&K)	660	08/2012	Project accepted for examination during presentation meeting held on 15.10.2012. Hydrology, pondage, inter-State, instrumentation and power evacuation aspects cleared.
2	New Ganderwal (J&K)	93	10/2012	Project accepted for examination during presentation meeting held on 27.11.12. Hydrology, Power Potential Studies and power evacuation aspects cleared.
3	Kirthai-I (J&K)	390	01/2013	Detailed Project Report was accepted for details examination during the meeting held on 02.05.2013. Hydrology, Power Potential Studies and inter-State aspects cleared.
4	Seli (HP)	400	12/2011	Presentation held on 13.01.2012 & Detailed Project Report taken under examination. Hydrology, Power Potential Studies, Concrete & Masonry Dam Design, Instrument, Foundation Engineering & Special Analysis, Power evacuation, Geological Survey of India, interstate & Central Soil And Materials Research Station aspects cleared.
5	Chhatru (HP)	126	04/2012	Project accepted for examination during presentation meeting held on 06.7.2012. Hydrology, Power Potential Studies, instrumentation, inter state, power evacuation, Electro & Mechanical design, Central Soil And Materials Research Station and Geological Survey of India aspects cleared.
6	Sach Khas (HP)	267	01/2013	Project accepted for examination during presentation meeting held on 21.02.2013 and Detailed Project Report taken under detailed examination. Hydrology & Power Potential Studies cleared.
7	Luhri (HP)	588	03/2013	Hydrology, Power Potential Studies, International, inter-State, gates design, instrumentation, Concrete & Masonry Dam Design and Foundation Engineering & Special Analysis aspects cleared.
8	Jelam Tamak (Uttarakhand)	108	12/2012	Hydrology, Power Potential Studies, inter-State, International, instrumentation and power evacuation aspects cleared.
9	Bowala Nand Prayag (Uttarakhand)	300	08/2012	Hydrology, Power Potential Studies, International, inter-State, gates design, Foundation Engineering & Special Analysis, plant planning and instrumentation aspect cleared.

10	Dagmara (Bihar)	130	04/2012	Concurrence meeting held on 20.03.2013. During meeting, it was concluded that concurrence of Dagmara Hydro Electric Projects could not be accepted by the Authority due to high Project cost & tariff.
11	Siyom (Ar. Pradesh)	1000	9/2010	All clearance received except plant planning, civil quantities, cost of civil works and phasing.
12	Kalai -II (Ar. Pradesh)	1200	04/2012	Project accepted for examination during presentation meeting held on 06.7.2012. Hydrology, Power evacuation, Power Potential Studies, interstate, Hydel Civil Design, Electrical & Mechanical design, International, Instrumentation and Central Soil And Materials Research Station aspects are cleared.
13	Tagurshit (Ar. Pradesh)	74	07/2012	Project accepted for examination during presentation meeting held on 22.08.2012. Hydrology, Power Potential Studies, Inter-State, Concrete & Masonry Dam Design, Hydel Civil Design and Instrumentation aspects cleared.
14	Demwe Upper (Ar. Pradesh)	1080	07/2012	Standing Technical Committee on conversion of Storage Scheme to Run Of the River Scheme in its meeting held on 29.11.2012 has cleared the project. As per recommendation of Standing Technical Committee, developer submitted revised Power Potential Studies. Replies to comments on Power Potential Studies received on 13.06.2013. Detailed Project Report cleared from hydrology, instrumentation, inter-State & power evacuation aspects.
15	Nyukcharong Chu (Ar. Pradesh)	96	01/2013	Detailed Project Report was accepted in Presentation meeting held on 04.03.2013. Power Potential Studies & hydrology cleared.
16	Dikhu (Nagaland)	186	04/2012	All aspects cleared except Geological Survey of India, Central Soil And Materials Research Station, cost of civil works and phasing.
17	Kyunshi-I (Meghalaya)	270	02/2013	Project accepted for examination during presentation meeting held on 14.03.2013. Power Potential Studies & Hydrology cleared.
18	Tato-I (Ar. Pradesh)	186	05/2013	Presentation held on 04.06.2013 & Detailed Project Report taken into under examination. Power Potential Studies & Hydrology cleared.
19	Umngot (Meghalaya)	240	03/2013	Presentation held on 04.06.2013 & Detailed Project Report taken into under examination. Cleared from hydrology.
20	Lower Kopili (Assam)	120	03/2013	Hydrology and Power Potential Studies cleared.
21	Heo (Ar. Pradesh)	210	07/2013	Taken under examination since 17.07.2013.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.709
ANSWERED ON 08.08.2013

REVIVAL OF POWER PLANTS

709. SHRIMATI SHRUTI CHOUDHRY:

Will the Minister of POWER
be pleased to state:

- (a) whether several power plants in the country are not in operation at present;
- (b) if so, the details thereof and the reasons therefor during each of the last three years and the current year, plant and State-wise;
- (c) whether any steps have been taken by the Government for revival of such power plants along with the action plan chalked out in this regard to meet the demand and supply in the country particularly during the peak season; and
- (d) if so, the details thereof, plant-wise?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Six thermal power plants with aggregate capacity of 615 MW are not in operation as on 31st July, 2013. The plant and state-wise details of power plants not in operation along with the reasons is given at Annex.

(c) & (d) : Responsibility for revival of non-operational plants rests with the respective State Government / concerned Agency / Power Utility. The status of action taken in the case of such power plants is as below :

- (i) Barauni thermal power plant located in Bihar is under planned Renovation & Modernization (R&M) programme to enhance its performance and is expected to be completed by December, 2013; and
- (ii) Other five power plants given at Annex. are shut down due to obsolete Technology or high fuel cost and cannot be revived because of uneconomical operation.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 709 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Plant and State wise details of power plants which are not in operation as on 31.07.2013.

S.N	Name of Plant \$	Sector	Type of plant	State	Capacity as on 31.07.2013 (MW)	Reason
1.	Barauni	State	Thermal - coal based	Bihar	210	Renovation & Modernization
2.	Haldia	State	Gas turbine - Liquid	West Bengal	40	Uneconomical operation
3.	Kasba	State	Gas Turbine - Liquid	West Bengal	40	Uneconomical operation
4.	Chandrapur	State	Thermal - coal based	Assam	60	Uneconomical operation
5.	Pampore	State	Gas based - Liquid	Jammu & Kashmir	175	Uneconomical operation
6.	Maithon	Central - DVC*	Gas Turbine (Liquid)	Jharkhand	90	Uneconomical operation
	Total				615	

* Damodar Valley Corporation

\$ Excludes power plants upto 25 MW capacity and diesel based power plants.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.719
ANSWERED ON 08.08.2013

LOSSES OF SEBs

†719. SHRI RAM SINGH KASWAN:
SHRI KALIKESH N. SINGH DEO:

Will the Minister of POWER
be pleased to state:

- (a) the losses suffered by the State Electricity Boards (SEBs)/Power Discoms during the last three years along with the reasons therefor SEB/Discom-wise;
- (b) the details of the scheme of Financial Restructuring of Discoms, 2012;
- (c) whether conditions have been attached to the loans provided by the Union Government which include earmarking of a percentage of the loans for the purpose of additional investments;
- (d) if so, the details thereof; and
- (e) the extent to which the difference between the cost of power generation and power tariff is responsible for these losses along with the steps being taken by the Union Government to reduce the losses and to ensure the sustainability of Discoms?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER
(SHRI JYOTIRADITYA M. SCINDIA)

(a) : As per the 'Report on Performance of State Power Utilities' published by PFC the aggregate losses incurred by all utilities selling directly to consumers during the period 2009-10 to 2011-12 are as follows:-

	Rs. in Crores.		
	2009-10	2010-11	2011-12
Profit/(loss) after tax on accrual basis	(28,548)	(49,235)	(57,811)
Profit/(loss) on subsidy received basis	(43,488)	(51,606)	(62,221)

Details are enclosed at Annex-I.

.....2.

In general, the main reason for poor financial health of State Power Utilities are infrequent revision of tariff/inadequate tariff increase, delay in payment of subsidy amount, high technical and commercial losses etc.

(b) : The scheme for financial restructuring of State Discoms was notified by M/o Power in 2012. The scheme is available to all participating State owned Discoms having accumulated losses and facing difficulty in financial operational losses. Salient features of the scheme are placed at Annex-II.

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

(e) : PFC in its report compiles the gap between average cost of supply and average revenue realized for utilities selling directly to consumers. The Gap for utilities selling directly to consumers is as follows:

	(Rs/Kwh)		
	2009-10	2010-11	2011-12
Average cost of supply	3.55	3.97	4.39
Average revenue(without subsidy)	2.68	3.03	3.31
Gap(subsidy booked basis)	0.40	0.64	0.70
Gap(subsidy received basis)	0.61	0.67	0.76

The steps taken by the Union Government to reduce the losses and to ensure the sustainability of Discoms are as given in Annex-III

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 719 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Detail of profit/(Loss) incurred by utilities selling directly to consumers during the period 2009-10, 2010-11 & 2011-12:

Region	State	Utility	2009-10		2010-11		2011-12	
			Profit/(Loss) after tax	Profit/(Loss) on subsidy received basis	Profit/(Loss) after tax	Profit/(Loss) on subsidy received basis	Profit/(Loss) after tax	Profit/(Loss) on subsidy received basis
Eastern	Bihar	BSEB	-1,412	-1,412	-1,332	-1,332	-1,816	-1,816
	Jharkhand	JSEB	-707	-707	-723	-723	-3,211	-3,211
	Orissa	CESCO	-146	-146	-87	-87	-257	-257
		NESCO	-28	-28	-72	-72	-92	-92
		SESCO	-40	-40	-19	-19	-22	-22
		WESCO	-27	-27	-38	-38	-52	-52
	Sikkim	Sikkim PD	-9	-9	-38	-38	36	36
	West Bengal	WBSEDCL	71	71	95	95	73	73
Eastern Total			-2,298	-2,298	-2,213	-2,213	-5,342	-5,342
North Eastern	Arunachal Pradesh	Arunachal PD	-212	-212	-182	-182	-264	-264
	Assam	APDCL	-303	-303	-486	-486	-408	-558
	Manipur	Manipur PD	-145	-145	-204	-204	-307	-307
	Meghalaya	MeSEB	-56	-56		0		0
		MeECL		0	-91	-91	-195	-195
	Mizoram	Mizoram PD	-142	-142	-158	-158	-149	-149
	Nagaland	Nagaland PD	-108	-108	-175	-175	-201	-201
	Tripura	TSECL	2	-11	-126	-130	-157	-157
North Eastern Total			-964	-977	-1,423	-1,428	-1,682	-1,832
Northern	Delhi	BSES Rajdhani	187	187	388	388	121	121
		BSES Yamuna	77	77	155	155	21	21
		NDPL	351	351	258	258	339	339
	Haryana	DHBVNL	-633	-680	-792	-955	-1,621	-1,664
		UHBVNL	-912	-912	-129	-129	-2,011	-2,011
	Himachal Pradesh	HPSEB	-153	-153	-122	-122		0
		HPSEB Ltd.		0	-389	-389	-513	-513
	Jammu & Kashmir	J&K PDD	-2,106	-2,106	-2,167	-2,167	-3,037	-3,037
	Punjab	PSEB	-1,302	-1,302		0		0
		PSPCL		0	-1,640	-1,640	-453	-453
		AVVNL	0	-3,924	-6,907	-6,907	-7,596	-7,596
	Rajasthan	JDVVNL	0	-3,169	-6,827	-6,828	-6,179	-6,179
		JVVNL	-0	-3,913	-7,636	-7,636	-5,797	-5,796
		DVVN	-1,707	-1,707	-1,117	-1,117	-1,499	-1,499
	Uttar Pradesh	KESCO	-155	-155	-182	-182	-384	-384
		MVVN	-1,040	-1,040	-353	-353	-900	-900
		Pash VVN	-1,188	-1,188	-304	-304	-392	-392
		Poorv VVN	-1,170	-1,170	-1,649	-1,649	-1,157	-1,157
Ut PCL		-527	-527	-204	-204	-417	-417	
Northern Total			-10,279	-21,333	-29,616	-29,779	-31,475	-31,518

Southern	Andhra Pradesh	APCPDCL	36	-1,198	3	-778	4	-1,476
		APEPDCL	18	-435	13	-572	25	-963
		APNPDCL	7	-892	7	-409	3	-874
		APSPDCL	4	-1,116	3	-418	6	-710
	Karnataka	BESCOM	12	112	0	0	144	133
		CHESCOM	-74	-318	11	11	-123	-269
		GESCOM	-31	-31	61	61	-13	-13
		HESCOM	-174	-174	-65	-65	40	40
		MESCOM	9	-14	2	2	6	6
	Kerala	KSEB	241	241	241	241	241	241
	Puducherry	Puducherry PD	-47	-47	-134	-134	-164	-164
	Tamil Nadu	TNEB	-10,295	-10,295	-6,273	-6,273		0
		TANGEDCO		0	-5,634	-5,634	-14,306	-14,306
Southern Total			-10,293	-14,166	-11,764	-13,967	-14,138	-18,356
Western	Chhattisgarh	CSPDCL	-351	-351	-581	-581	-1,310	-1,310
	Goa	Goa PD	16	16	-79	-79	-271	-271
	Gujarat	DGVCL	22	22	63	63	76	76
		MGVCL	17	17	25	25	36	36
		PGVCL	4	4	3	3	9	9
		UGVCL	6	6	13	13	12	12
	Madhya Pradesh	MP Madhya Kshetra VVCL	-779	-779	-605	-605	-1,129	-1,129
		MP Paschim Kshetra VVCL	-1,433	-1,433	-578	-578	-624	-624
		MP Purv Kshetra VVCL	-1,131	-1,131	-974	-974	-1,167	-1,167
	Maharashtra	MSEDCL	-1,085	-1,085	-1,505	-1,505	-808	-808
Western Total			-4,714	-4,714	-4,219	-4,219	-5,175	-5,175
Grand Total			-28,548	-43,488	-49,235	-51,606	-57,811	-62,221

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 719 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Salient feature of the Financial Restructuring Plan of State Discoms are as under:

- a) 50% of the outstanding short term liabilities (STL) upto March 31, 2012 to be taken over by State Governments. This shall be first converted into bonds to be issued by Discoms to participating lenders, duly backed by State Govt guarantee. Takeover of this liability by State Govt from Discoms in the next 2-5 years by way of special securities and repayment and Interest payment to be done by State Govt till the date of takeover.
- b) Restructuring the balance 50% Short Term Loan by the lenders by rescheduling loans and providing moratorium on principal and the best possible terms for this restructuring to ensure viability of this effort.
- c) The restructuring of loan is to be accompanied by concrete and measurable action by the Discoms/State governments to improve the operational performance of the distribution utilities.
- d) For monitoring the progress of the turnaround plan, two committees at State and Central levels respectively are proposed to be formed.
- e) Central Government would provide incentive by way of grant equal to the value of the additional energy saved by way of accelerated AT&C loss reduction beyond the loss trajectory specified under RAPDRP and capital reimbursement support of 25% of principal repayment by the State Govt. on the liability taken over by the State Government under the scheme.

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 719 ANSWERED IN THE LOK SABHA ON 08.08.2013.

The measures taken by the Government to improve distribution and reduce the losses of SEBs/power distribution companies of the country:

R-APDRP:

To reduce the AT&C losses in the country and to improve the power distribution sector of state utilities, Government of India has launched the Restructured-Accelerated Power Development and Reforms Programme (R-APDRP) during 11th Plan period. The focus of R-APDRP is on actual demonstrable performance by utilities in terms of sustained AT&C loss reduction in the project areas. Projects under the scheme are taken up in two parts in towns having population more than 30,000 (10,000 for special category States) as per census 2001. Part-A of the scheme is for establishing IT enabled system for energy accounting / auditing and Supervisory Control and Data Acquisition (SCADA) for big cities (population:4 lacs and Annual Energy Input: 350MU) whereas Part-B is for up-gradation, augmentation & strengthening of electrical infrastructure in project towns.

So far, under R-APDRP, projects worth Rs.33832.17 crores (Part-A: Rs 6713.08 Crores covering 1401 towns and 63 SCADA projects in 63 towns; Part-B: Rs. 27119.09 crores in 1134 towns) have been sanctioned.

Rating of Utilities

In order to enable a unified approach by Financial Institutions (FIs)/ Banks for funding State Distribution Utilities, Ministry of Power has developed an integrated rating methodology for State Distribution Utilities. The overall objective of the integrated rating methodology is to devise a mechanism for incentivizing/ disincentivising the distribution utilities so as to improve their operational and financial performance, enable regulatory compliance and influence respective State Govts. to fulfill commitments on subsidy, equity support including transition funding support to achieve self-sustaining operations.

Order of Appellate Tribunal for Electricity (APTEL)

Ministry of Power has requested "Appellate Tribunal for Electricity" to issue directions under section 121 of the Electricity Act to the State Regulatory Authorities to revise the tariff appropriately (suo-motto, if required), in the interest of improving the financial health and long term viability of electricity sector in general and distribution utilities in particular.

The Appellate Tribunal for Electricity (APTEL) in its order dated 11th November, 2011 has issued directions to the State Commissions with a view to improve the financial health of SEBs/ Discoms and ultimately help to deal with the mounting arrears of pending dues of the distribution utilities, which inter alia include automatic fuel & power purchase adjustment cost, suo-motto determination of tariff, if petition is not filed by utility, annual truing up of accounts and no resource gap to be left uncovered by SERCs. The regulatory assets are to be created only in extraordinary circumstances & to be liquidated in maximum 3 years.

Model Tariff Guidelines:

Forum of State Regulators and Central Electricity Regulatory Commission (CERC) have resolved to implement Model Tariff Guidelines, which address issue of rationalization of tariff. FOR (Forum of Regulators) has circulated Model Tariff Guidelines to SERCs, for their adoptions. Now SERCs are required to adopt these tariff guidelines and make regulation. Adoption of Model Tariff Guidelines is a precondition for disbursement of loan by Power Finance Corporation and Rural Electrification Corporation to utilities.

Financial Restructuring of State Distribution Companies

A scheme for Financial restructuring of State Owned Discoms has been notified by the Government of India to enable the turnaround of the State Discoms and ensure their long term viability. The scheme contains measures to be taken by the State Discoms and State Government for achieving financial turnaround by restructuring their debt with support through a Transitional Finance Mechanism by Central Govt.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.723
ANSWERED ON 08.08.2013

GRID COLLAPSE INCIDENTS

723. SHRI PONNAM PRABHAKAR:

Will the Minister of POWER
be pleased to state:

- (a) the details of the grid collapse incidents that took place in the country during the last three years and the current year along with the reasons for each such collapse;
- (b) the extent of losses estimated due to such incidents during the said period, State-wise; and
- (c) the steps being taken by the Government to avoid recurrence of such incidents in future?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : There was disturbance in the NER on 15th November, 2010, 22nd June, 2011 and 20th January, 8th May, 31st July, 14th December and 29th December of 2012. The disturbance on all the occasions was due to load - generation mismatch.

During 2012, two Grid disturbances occurred on 30.07.2012 and 31.07.2012 resulting in collapse of the Northern, Eastern and North-Eastern Regional grids barring a few areas. The Enquiry Committee constituted by the Ministry of Power found that the disturbances of July, 2012 were due to the following combination of factors:

- (i) Weak inter-regional corridors due to multiple outages;
- (ii) High loading of available links;

.....2.

- (iii) Inadequate response by State Load Despatch Centres (SLDCs) to Regional Load Despatch Centres (RLDCs) instructions to reduce overdrawl by the Northern Region utilities and Underdrawal/overinjection by the Western Region utilities; and
- (iv) Loss of 400 kV Bina -Gwalior link.

(b) : As per the report of the Enquiry Committee headed by Chairperson, CEA, the estimated loss of load was about 36,000 MW in Northern Region and about 48,000 MW in Northern, Eastern and North-Eastern regional grids during grid disturbances of 30th and 31st July, 2012 respectively.

Estimated loss of load in NER during the above grid collapses in 2010-11, 2011-12 & 2012-13 varied in the range of 766 MW to 1230 MW.

(c) : The Enquiry Committee headed by Chairperson, CEA had made a number of recommendations so as to prevent future recurrence of such grid disturbances. The Ministry of Power has taken a number of steps for implementation of the recommendations of the Enquiry Committee. These inter-alia, include tightening of frequency band from 49.5-50.2 Hz to 49.7-50.2 Hz; introduction of congestion charges in events of line outages by STUs; control of unscheduled drawl; independent third party protection audit; corrective action by PGCIL to renovate and upgrade their system; installation of optic-fiber network between all substations of PGCIL for advanced real time communication; preparation of Islanding Schemes in different States for sustained supply in emergency; revision of Transmission Planning Criteria (TPC); coordinated outage planning of inter-state and inter-regional transmission elements; introduction of frequency control through governor mode of operation by the generating companies; and introduction of Ancillary Services for Frequency control and voltage management.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.746
ANSWERED ON 08.08.2013

POWER GENERATION CAPACITY IN U.P.

†746. SHRI RAMASHANKER RAJBHAR:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government is taking effective steps to augment the power generation capacity in Uttar Pradesh;
- (b) if so, the details thereof; and
- (c) the details of the power stations set up in Uttar Pradesh during the last two years and the current year?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Keeping in view the growing demand for power, Planning Commission has fixed a capacity addition target of 88,537 MW from conventional sources for the Twelfth Five Year Plan, which includes 4,730 MW in the state of Uttar Pradesh. The Central Government has advised States to tie up for procurement of power through competitive bidding to meet their requirement, based on their anticipated demand supply scenario. The details of capacity addition target for the Twelfth Plan in the state of Uttar Pradesh are as under:

Sl. No.	Project Name	Sector	Fuel Type	Capacity (MW)
1	Rihand TPP-III U 5,6	Central	Coal	1000
2	Anpara-D TPP U 1,2	State	Coal	1000
3	Parichha TPP EXT U-5,6	State	Coal	500
4	Harduaganj TPP EXT U-9	State	Coal	250
5	Bara TPP U1-3	Private	Coal	1980
	SUB TOTAL (UP)			4730

(c): The details of power stations commissioned in the state of Uttar Pradesh during the last two years and the current year are given below:

Sl. No./Year	Project Name	Sector	Fuel Type	Capacity (MW)
2011-12				
1	HARDUAGANJ EXT U 8	State	COAL	250
2	ANPARA-C U 1, 2	Private	COAL	1200
3	KHAMBRKHERA U 1, 2	Private	COAL	90
4	MAQSOODPUR U 1, 2	Private	COAL	90
5	BARKHERA TPP U 1, 2	Private	COAL	90
6	KUNDARKI TPP U 1, 2	Private	COAL	90
7	UTRALA TPP U 1, 2	Private	COAL	90
8	ROSA TPP Ph-II U3, 4	Private	COAL	600
2012-13				
1	RIHAND III U 5	Central	COAL	500
2	HARDUAGANJ EXT U 9	State	COAL	250
3	PARICHHA EXT U 5,6	State	COAL	500
2013-2014*	-----	---	----	0

*No project has been commissioned till 31.07.2013

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.763
ANSWERED ON 08.08.2013

DELAY IN APPROVAL POWER PROJECTS

763. SHRI GAJANAN D. BABAR:
SHRI DHARMENDRA YADAV:
SHRI ANANDRAO ADSUL:
SHRI ADHALRAO PATIL SHIVAJI:

Will the Minister of POWER
be pleased to state:

- (a) whether various power projects worth over two lakh crore are lying pending for approval due to inter-ministerial issues;
- (b) if so, the details thereof along with the primary reasons for the delays and disputes among Ministries;
- (c) whether the private sector needs to be re-assured that their contractual rights would be honoured; and
- (d) if so, the steps taken/being taken by the Union Government in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER
(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Some power projects get delayed from their original schedule of commissioning due to delay in environment and forest clearances, fuel availability, land acquisition issue, defence clearance etc. In order to expedite clearances and implementation, a Project Monitoring Group (PMG) has been formed by the Government. Sub-groups on the issues of Environment, Coal, Home, Defence, Railways and Petroleum & Natural Gas have been formed which have weekly meetings to resolve the pending issues.

(c) & (d) : The concluded Power Purchase Agreements (PPAs) have been entered between the procurers (which are mostly State Utilities) and private power developers. These are legally enforceable contracts between the parties to be governed by the relevant provisions of the said contract.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.767
ANSWERED ON 08.08.2013

POWER FROM KUDANKULAM NUCLEAR POWER PLANT

767. SHRI P.K. BIJU:
SHRI C. RAJENDRAN:

Will the Minister of POWER
be pleased to state:

- (a) the details of the States to which power generated from the Kudankulam Nuclear Power Plant will be allocated;
- (b) whether the State Government of Kerala has requested additional allocation of power therefrom;
- (c) if so, the details thereof;
- (d) whether the State Government of Tamil Nadu has requested the Union Government to allocate the entire power therefrom to Tamil Nadu as an *ad hoc* measure; and
- (e) if so, the details thereof and the response of the Union Government thereto?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : As per existing guidelines for allocation of power, the entire power to be generated from Kundakulam Nuclear Power Plant (2x1000 MW) has been allocated amongst the beneficiary States on 05.02.2004 as under:

S. No.	Beneficiary State	Power allocated (MW)
01.	Karnataka	442
02.	Tamil Nadu	925 (includes 10% home State entitlement)
03.	Kerala	266
04.	Pondicherry	67
05.	Unallocated	300
	Total	2000

(b) & (c) : A request from the Government of Kerala for allocation of 500 MW power to Kerala to be generated from Kudankulam Nuclear Power Project was received in this Ministry. Government of Kerala was informed that power had already been allocated from Kundankulam Nuclear Power Plant (2x1000 MW) amongst the beneficiary States/Union Territories including Tamil Nadu based on the guidelines for allocation of power from Central Sector Generating Stations to the States/UTs.

(d) & (e) : A request from the Government of Tamil Nadu for allocation of the entire power to be generated from Kundankulam Nuclear Power Plant to Tamil Nadu was received in the Ministry of Power. Government of Tamil Nadu was informed that power had already been allocated from Kundankulam Nuclear Power Plant (2x1000 MW) amongst the beneficiary States/Union Territories including Tamil Nadu based on the guidelines for allocation of power from Central Sector Generating Stations to the States/UTs. However, 100 MW power from Unallocated quota is allocated to Tamil Nadu from the date of commercial operation of unit-I of Kudankulam Nuclear Power Project.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.770
ANSWERED ON 08.08.2013

IMPLEMENTATION OF POWER PROJECTS IN ARUNACHAL PRADESH

†770. SHRI RAJIV RANJAN SINGH ALIAS LALAN SINGH:
DR. MURLI MANOHAR JOSHI:

Will the Minister of POWER
be pleased to state:

- (a) whether a target for additional power generation of 38000 Mega Watt was set during the period from 2006-2009 in Arunachal Pradesh and memoranda were signed by various institutions in this regard;
- (b) if so, the details thereof along with the total number of such institutions to which work were awarded for achieving the said target;
- (c) whether any assessment regarding capacity and competence of the said institutions in the power sector was made while awarding the work to them; and
- (d) if so, the details thereof and the present status of implementation of the said projects as on date?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (d) : As per information available in Central Electricity Authority (CEA), the Government of Arunachal Pradesh has signed Memoranda of Understanding (MoUs) with various Institutions / Developers (public/private sector), in respect of hydro power projects (above 25 MW capacity), with an aggregate installed capacity of 41400.5 MW. The present status of implementation of these projects is enclosed at Annex.

As per the provisions of the Indian Constitution, "Water & Water Power" is a 'State Subject' and therefore, allotment/award of Hydro power projects comes under the purview of the concerned State Government. Assessment of capacity and competence of Institutions / Developers in the power sector while awarding the work to them is also done by the State Government.

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 770 ANSWERED IN THE LOK SABHA ON 08.08.2013.

STATUS OF DEVELOPMENT OF H.E. PROJECTS ALLOTTED IN ARUNACHAL PRADESH (Above 25 MW Capacity)

(As on August 2013)

S. No.	Name of Project	Agency	Present I.C. (MW)	Date of MOU	Status of Env. Clearance	Present Status
	<u>Tawang Basin</u>					
	<u>Central</u>	-				
1	Tawang-I	NHPC	600	24.06.2007	TOR issued in Dec., 2006	Concurrence accorded by CEA on 10.10.2011.
2	Tawang-II	NHPC	800	24.06.2007	TOR issued in Dec., 2006	Concurrence accorded by CEA on 22.09.2011.
		Sub-total (Central)	1400			
	<u>Private</u>	-				
3	Nyukcharongchu	SEW Energy Ltd.	96	21-02-2008	TOR issued in Feb., 2010	DPR under examination in CEA .
4	Mago Chu	SEW Energy	96	21-02-2008	TOR issued in Feb., 2010	DPR yet to be prepared.
5	Nyamjungchu	Bhilwara Energy Ltd.	780	(28-05-09 for 900 MW)	TOR issued in Aug., 2010	Concurrence accorded on 24.03.2011.
6	Rho	SEW Energy	141	2/3/2009	TOR yet to be submitted to MoEF	DPR yet to be prepared.
7	New Melling	SEW Energy Ltd.	96	2/3/2009 (For 60 MW)	TOR issued in Feb., 2010	DPR yet to be prepared.
8	Tsa - Chu - II	Energy Development Co. Ltd.	90	12/1/2009 (Amended on 27.08.2010)	TOR yet to be submitted to MoEF	DPR yet to be prepared.
9	Tsa - Chu - I Lower	Energy Development Co. Ltd.	50	12/1/2009 (Amended on 27.08.2010)	TOR yet to be submitted to MoEF	DPR yet to be prepared.
		Sub-total (Private)	1349			
		Sub-total (Tawang Basin)	2749			
	<u>Kameng Basin</u>					
	<u>Central</u>	NIL	0			
	<u>Private</u>	-				
10	Kameng Dam (Bana)	KSK Electricity Financing India Pvt. Ltd.	600	25-01-2007	TOR yet to be submitted to MoEF	DPR yet to be prepared. May be dropped due to vicinity of Wildlife Sanctuary or Tiger Reserves.
11	Badao	Coastal Projects Pvt. Ltd.	70	19-11-2008	TOR yet to be submitted to MoEF	DPR yet to be prepared.
12	Rebby	Coastal Projects Pvt. Ltd.	30	19-11-2008	TOR yet to be submitted to MoEF	DPR yet to be prepared.
13	Para	Coastal Projects Pvt. Ltd.	55	19-11-2008	TOR yet to be submitted to MoEF	DPR yet to be prepared.
14	Talong (Londa)	GMR Energy Ltd.	225	24-01-2007	TOR issued in Aug., 2010	Concurrence accorded by CEA on 30.04.2013. Concurrence letter yet to be issued.
15	Lachung	Coastal Projects Pvt. Ltd.	40	19-11-2008	TOR yet to be submitted to MoEF	DPR under examination by State Govt.
16	Phanchung (Pachi)	M/S CESC	56	25-10-2007 (Indiabull Real Estate Ltd.)	TOR issued in Jul., 2008	DPR submitted by Indiabull Real Estate Ltd. to State Govt. on 18.11.2009. Project transferred to M/S CESC.
17	Dibbin	KSK Electricity Financing India Pvt. Ltd.	120	25-01-2007	2015-16	Concurrence accorded by CEA on 4.12.2009.
18	Tarang Warang	Indiabull Real Estate Ltd.	36	25-10-2007	TOR issued in May, 2009	DPR submitted to State Govt. on 19.11.2009.

19	Papu	Indiabull Real Estate Ltd.	90	9/1/2009	TOR yet to be submitted to MoEF	DPR yet to be prepared. May be dropped due to vicinity of Wildlife Sanctuary or Tiger Reserves.
20	Jameri	KSK Energy Ventures Pvt. Ltd.	50	27/12/2007	TOR submitted in Aug., 2010	DPR yet to be prepared.
21	Nafra	SEW Energy Ltd.	120	14/9/2007	- TOR issued in Oct, 2008. - Env. Clearance considered by EAC in Jul., 2010. - Compliance to comments furnished in Aug., 2010.	Concurrence accorded by CEA on 11.02.2011.
22	Pakke Bung-I	Energy Development Co. Ltd.	40	12/1/2008 (Amended on 27.08.2010)		DPR under examination by State Govt.
23	Pachuk-I	Energy Development Co. Ltd.	84	12/1/2008 (Amended on 27.08.2010)	TOR yet to be submitted to MoEF	DPR yet to be prepared.
24	Pachuk-II Lower	Energy Development Co. Ltd.	45	27.08.2010	TOR yet to be submitted to MoEF	DPR under examination by State Govt.
25	Pachuk-II	Energy Development Co. Ltd.	60	12/1/2008 (Amended on 27.08.2010)	TOR yet to be submitted to MoEF	DPR yet to be prepared.
26	Marjingla Lower	Energy Development Co. Ltd.	48	27.08.2010	TOR yet to be submitted to MoEF	DPR under examination by State Govt.
27	Marjingla	Energy Development Co. Ltd.	60	12/1/2008 (Amended on 27.08.2010)	TOR yet to be submitted to MoEF	DPR under examination by State Govt.
28	Papu Valley	Vensar Construction Co. Ltd.	48	25/11/2008	TOR yet to be submitted to MoEF	Concurrence accorded by State Govt.
29	Kameng- II (Bhareli-II)	Mountain Fall India Pvt.Ltd.	600	23-11-2006	TOR yet to be submitted to MoEF	DPR yet to be prepared.
30	Gongri	Patel Engineering Ltd.	144	18-05-2007 (Amended on 05.08.2011)	Env. Clearance for 90 MW obtained in Feb., 2010	Concurrence accorded by CEA on 04.02.2013.
31	Utung	KSK Energy Ventures Ltd.	100	11/9/2007	TOR yet to be submitted to MoEF	DPR yet to be prepared.
32	Nazong	KSK Energy Ventures Ltd.	60	11/9/2007	TOR yet to be submitted to MoEF	DPR yet to be prepared. Proposal likely to be dropped based on EIA study for Bichom Basin.
33	Khuitam	Adishankar Power Pvt. Ltd.	66	12/6/2007 (17.05.2010 for 66 MW)	- TOR issued in Jan, 2010. - EIA/EMP studies submitted to State Govt. in Aug., 2010	DPR cleared by State Govt. on 24.12.2010.
34	Dinchang	KSK Energy Ventures Ltd.	360	11/9/2007	TOR yet to be submitted to MoEF	DPR yet to be prepared.
35	Dimijin	KSK Energy Ventures Ltd.	40	11/9/2007	TOR yet to be submitted to MoEF	DPR yet to be prepared. As per Bichom Basin study through WAPCOS by MoEF, project stalled due to consideration of free flow.
36	Digin	Patel Engineering Ltd.	46	15.11.2010		DPR yet to be prepared.
37	Meyong	Patel Engineering Ltd.	38	15.11.2010		DPR yet to be prepared.
38	Saskangrong	Patel Engineering Ltd.	45	18/5/2007		Concurrence accorded by State on 24.09.2012.
		Sub-total (Private)	3376			
		Sub-total (Kameng Basin)	3376			
	<u>Dikrong Basin</u>					
	<u>Central</u>	NIL	0			
	<u>Private</u>	-				

39	Par	KVK Energy & Infrastructure Ltd. (M/S ECI)	65	26-12-2007	TOR yet to be submitted to MoEF	DPR yet to be prepared.
40	Dardu	KVK Energy & Infrastructure Ltd. (M/S ECI)	60	26-12-2007	TOR yet to be submitted to MoEF	DPR yet to be prepared.
41	Toru	KVK Energy & Infrastructure Ltd. (M/S ECI)	90	21.06.2007	TOR yet to be submitted to MoEF	DPR yet to be prepared.
42	Panyor	Raajratna Energy Holdings Pvt. Ltd.	80	25-02-2009	TOR yet to be submitted to MoEF	DPR yet to be prepared.
		Sub-total (Private)	295			
		Sub-total (Dikrong Basin)	295			
		<u>Subansiri Basin</u>				
		<u>Central</u>	NIL	0		
		<u>Private</u>				
43	Naba	Abir Infrastructure Pvt. Ltd.	1000	21-06-2010	TOR yet to be submitted to MoEF	DPR yet to be prepared.
44	Niare	Coastal Infrastructure Pvt. Ltd.	800	Apr., 2011		DPR yet to be prepared.
45	Dengser	Coastal Infrastructure Pvt. Ltd.	552	Apr., 2011		DPR yet to be prepared.
46	Nalo	Coastal Infrastructure Pvt. Ltd.	360	16-11-2010		DPR yet to be prepared.
47	Oju-II	NavayugaEngg. Co. Ltd.	1000	21-06-2010	TOR yet to be submitted to MoEF	DPR yet to be prepared.
48	Oju-I	NavayugaEngg. Co. Ltd.	700	21-06-2010	TOR yet to be submitted to MoEF	DPR yet to be prepared.
49	Subansiri Middle (Kamala)	Kamala HECL) Jindal Power Ltd.	1600	28/08/2009	- TOR submitted to MoEF in Mar., 2010. - Additional data sought by EAC.	DPR yet to be prepared.
50	Subansiri Upper	KSK Energy Ventures Ltd.	1800	18.03.2010	TOR yet to be submitted to MoEF	DPR yet to be prepared.
		Sub-total (Private)	7812			
		Sub-total (Subansiri Basin)	7812			
		<u>Siang Basin</u>				
		<u>Central</u>				
51	Siang Upper St.II	NEEPCO	3750	28.05.2013		DPR yet to be prepared.
		Sub-total (Central)	3750			
		<u>Private</u>	-			
52	Thingbuchu	Ar. Pr. Mega Power Projects Ltd.	60	10.08.2009	TOR yet to be submitted to MoEF	DPR yet to be prepared.
53	Jarong	CESC Ltd.	90	25-11-2008	TOR yet to be submitted to MoEF	DPR under examination by State Govt.
54	Simang-I	Adishankar Power Pvt. Ltd	67	6/2/2008	TOR submitted to MoEF in Mar., 2010.	DPR cleared by State Govt.
55	Simang-II	Adishankar Power Pvt. Ltd	66	6/2/2008 (Rev. 21.08.09)	TOR issued in May, 2010	DPR cleared by State Govt.
56	Barpu (Pemashelpu)	M/S Mechuka HPPL (Raajratna Energy Holdings Pvt. Ltd.)	90	27-12-2007	TOR issued in Aug., 2009	DPR returned by CEA .
57	Kangtangshiri	M/s Kangtangshiri HPPL (Raajratna Energy Holdings Pvt. Ltd.)	80	27-12-2007	TOR submitted to MoEF in Aug., 2010	DPR returned by CEA .
58	Rapum (Ropam)	Raajratna Energy Holdings Pvt. Ltd	80	27-12-2007	TOR yet to be submitted to MoEF	DPR yet to be prepared.
59	Rego	M/S Greeko Ltd.	141	27-12-2007 (Tuff Power Pvt. Ltd)	- TOR issued in Jan., 2008 . -Public hearing to be held shortly.	DPR yet to be prepared.
60	Yamne Stage-I	SS Yamne Power Private Ltd.	60	5/3/2008	TOR yet to be submitted to MoEF	DPR yet to be prepared.
61	Yamne Stage-II	SS Yamne Power Private Ltd.	96	5/3/2008	TOR yet to be submitted to MoEF	DPR returned by CEA .

62	Lower Yamne Stage-I	Yamne Power Private Limited	50	25-11-2008	TOR yet to be submitted to MoEF	DPR yet to be prepared.
63	Lower Yamne Stage-II	Yamne Power Private Limited	40	25-11-2008	TOR yet to be submitted to MoEF	DPR yet to be prepared.
64	Tagurshit	L&T Power Ltd.	74	23-12-2008	TOR issued in Mar., 2010	DPR under examination in CEA .
65	Tato-II	Tato Hydro Power Pvt. Ltd. (Reliance Energy Ltd.)	700	22-02-2006	- TOR issued in Dec., 2006. - Draft EIA report sent to State Govt. in May, 2010.	Concurrence accorded by CEA on 22.05.2012.
66	Naying	D.S. Construction Ltd	1000	22-02-2006	TOR issued in Jul., 2007.	Concurrence accorded by CEA on 31.07.2013. Concurrence letter yet to be issued.
67	Siang Lower	Jaiprakash Associates Ltd.	2700	22-02-2006 (Revised 8.12.2010)	Dec., 16 (1500 MW) 2020 (1200 MW)	Concurrence accorded by CEA on 16.02.2010.
68	Siyom (Siang Middle)	SIYOM Hydro Power Pvt. Ltd. (Reliance Energy Ltd.)	1000	22-02-2006	Env. Clearance accorded in Mar., 2005	DPR under examination in CEA .
69	Pauk	Velcan Energy Ltd.	145	30-06-2007 (rev MOA-31-07-09)	TOR issued in Mar., 2010.	DPR under examination in CEA .
70	Heo	Velcan Energy Ltd.	240	30-06-2007 (rev MOA-31-07-09)	TOR issued in Apr., 2010.	DPR under scrutiny to accept for examination in CEA.
71	Hirong	Jaiprakash Associates Ltd.	500	22-02-2006	TOR issued in Jan., 2007.	Concurrence accorded by CEA on 10.04.2013.
72	Tato-I	Siyota HPPL (Velcan Energy Ltd.)	186	30-06-2007 (rev MOA-31-07-09)	TOR issued in Apr., 2010.	DPR under examination in CEA.
73	Tagurshit St. II	Chadalavada Const. (P) Ltd.	27.5	11.08.2009	TOR yet to be submitted to MoEF	DPR yet to be prepared.
74	Pango	Meenakshi Power Ltd.	96	27.08.2010	TOR yet to be submitted to MoEF	DPR yet to be prepared.
75	Hirit Korong	SMEC India Pvt. Ltd.	30	09.06.2011		DPR yet to be prepared.
		Sub-total (Private)	7618.5			
		Sub-total (Siang Basin)	11368.5			
	<u>Dibang Basin</u>					
	<u>Central</u>					
76	Dibang	NHPC	3000	24.06.2007	2020-21	Concurrence accorded by CEA in Jan., 2008 and validity of TEC extended upto Jan., 2014.
		Sub-total (Central)	3000			
	<u>Private</u>					
77	Emini	Emini Hydro Power Pvt. Ltd. (Reliance Energy Ltd.)	500	2/3/2009	TOR issued in Sep., 2010.	DPR yet to be prepared.
78	Mihumdon	Mihumdon Hydro Power Pvt. Ltd. (Reliance Energy Ltd.)	400	2/3/2009	TOR yet to be submitted to MoEF	DPR yet to be prepared.
79	Sissiri	Soma Sissiri Hydro Pvt. Ltd. (Soma Enterprise Ltd.)	100	18-01-2008	TOR issued in May, 2010.	DPR returned by CEA .
80	Emra-II	Athena Energy Venture	216	2/2/2008	TOR yet to be submitted to MoEF	DPR yet to be prepared.
81	Amulin	AMULIN Hydro Power Pvt. Ltd. (Reliance Energy Ltd.)	420	2/3/2009	TOR issued in Jul., 2010.	DPR yet to be prepared.
82	Emra-I	Athena Energy Venture	275	2/2/2008	TOR yet to be submitted to MoEF	DPR yet to be prepared.

83	Etalin	Jindal Power Ltd. (JV with HPDCAPL) - Etalin H.E. Power Co.Ltd.	3097	8/12/2008	TOR issued in Nov., 2009.	Concurrence accorded by CEA on 31.01.2013. Concurrence letter yet to be issued.
84	Attunli	Jindal Power Ltd. (JV with HPDCAPL) - Attunli H.E. Power Co.Ltd.	500	8/12/2008	TOR issued in Nov., 2009.	DPR yet to be prepared.
		Sub-total (Private)	5508			
		Sub-total (Dibang Basin)	8508			
	<u>Lohit Basin</u>					
	<u>Central</u>	NIL	0			
	<u>Private</u>	-				
85	Gimliang	Sai Krishnodaya Industries (P) Ltd.	80	27.12.2007 (Rev.-26-02-09)	TOR yet to be submitted to MoEF	DPR returned by CEA .
86	Raigam	Sai Krishnodaya Industries (P) Ltd.	141	27.12.2007 (Rev.-26-02-09)	TOR yet to be submitted to MoEF	DPR returned by CEA .
87	Tidding-I	Sai Krishnodaya Industries (P) Ltd.	96	27.12.2007 (Rev.-26-02-09)	TOR yet to be submitted to MoEF	DPR yet to be prepared.
88	Kalai-II	Kalai Power Pvt. Ltd. (Reliance Power Ltd.)	1200	2/3/2009	TOR issued in Dec., 2009.	DPR under examination in CEA.
89	Hutong- II	Mountain Fall India Pvt.	1200	23-11-2006	TOR issued in Aug., 2007.	DPR returned by CEA.
90	Tidding-II	Sai Krishnodaya	68	26-02-2009	TOR yet to be submitted to MoEF	DPR yet to be prepared.
91	Kalai-I	Mountain Fall India Pvt.	1352	23-11-2006	TOR issued in Aug., 2007.	DPR returned by CEA.
92	Demwe(Lower)	Athena Energy Venture	1750	9/7/2007	2016-17	Concurrence accorded by CEA on 20.11.2009.
93	Demwe(Upper)	Athena Energy Venture (Lohit Urja)	1080	9/7/2007	TOR yet to be submitted to MoEF	DPR under examination in CEA .
94	Anjaw	Athena Energy Venture (Lohit Urja)	280	9/7/2007		DPR yet to be prepared.
		Sub-total (Private)	7247			
	Sub-total (Lohit Basin)		7247			
	<u>Tirap Basin</u>					
	<u>Central</u>	NIL	0			
	<u>Private</u>					
95	Tipang(Tirap)	IL&FS Renewable Energy Ltd.	45	16-12-2009	TOR issued in May, 2010.	DPR cleared by State Govt. on 15.07.2011.
		Sub-total (Tirap Basin)	45			
	Total (Arunachal Pradesh)	Central	8150	4		
		Private	33250.5	91		
		Total	41400.5	95		

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.783
ANSWERED ON 08.08.2013

FUNCTIONS OF PGCIL

783. SHRI PAWAN KUMAR BANSAL:

Will the Minister of POWER
be pleased to state:

- (a) the details of the functions assigned to the Chandigarh office of the Power Grid Corporation of India Limited (PGCIL);
- (b) whether it has been observed that steps need to be taken to strengthen the working and upgradation of the establishment;
- (c) if so, the details thereof; and
- (d) the steps taken/being taken in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Presently, Power Grid Corporation of India Limited's (PGCIL) Chandigarh office is assigned the following functions:

- Inspection (Quality Assurance).
- Liaising with State Government Offices including power, forest, wildlife, revenue, etc.
- Liaising with Regional Ministry of Environment & Forest (RMoEF).
- Marketing & Operations functions of POWERGRID Telecom.

(b) to (d) : POWERGRID has recently commissioned the 400/220kV Panchkula Sub-station which has adequate infrastructure and is in close vicinity to Chandigarh.

GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.797
ANSWERED ON 08.08.2013
DEMAND AND SUPPLY OF POWER

797. SHRI ANANTH KUMAR:
SHRI JAYWANTRAO AWALE:
SHRI HARISHCHANDRA CHAVAN:
SHRI BHOOPENDRA SINGH:

Will the Minister of POWER
be pleased to state:

- (a) the total power generated from various sources in the country during each of the last three years and the current year, State-wise;
- (b) whether there exists a huge gap between the demand and supply of power, both during peak and non-peak hours, resulting in shortage of power in most of the States/UTs;
- (c) if so, the details thereof along with the reasons therefor, State-wise;
- (d) the steps being taken or proposed to be taken by the Government to bridge the gap between the demand and supply of power in the country, State-wise; and
- (e) whether the Union Government is contemplating to increase power supply to power deficient States from Central Generating Stations and if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER
(SHRI JYOTIRADITYA M. SCINDIA)

(a) : The gross electricity generation in the country from various conventional energy sources, namely thermal, hydro, nuclear and import of hydro power from Bhutan during 2010-11, 2011-12, 2012-13 and 2013-14 (upto June,2013) are given below:

Source	Gross Energy Generation (BU)			
	2010-11	2011-12	2012-13	2013-14*#
Thermal	665.008	708.806	760.676	198.522
Hydro	114.257	130.510	113.720	31.433
Nuclear	26.266	32.287	32.866	7.660
Bhutan Import	5.611	5.284	4.795	1.432
Total	811.143	876.887	912.057	239.047
* up to June, 2013				
# Includes provisional figures for the month of June, 2013				

The State-wise details of source-wise electricity generation during the last three years and the current year (April to June, 2013) are given at Annex-I.

(b) & (c): There is an overall shortage of power in the country. The gap between energy requirement and availability vis-à-vis gap between peaking and non peaking during April-June, 2013 was 15,498 Million Unit (6%) and 8,597 Mega Watt (6.3%) respectively. The gap in demand and supply of power in the country, is inter-alia, mainly due to growth in demand for power being higher than the growth in availability of power, inadequate availability of coal and gas, etc.

The State/UT-wise details of energy requirement, availability and peak demand and peak met along with surplus/deficit in the country during April-June, 2013 are at Annex-II.

(d) : The steps taken/being taken by the Government to bridge the gap between demand and supply of power in the country include the following :

- (i) Acceleration in generating capacity addition during 12th Plan with a proposed target of 88,537 MW (excluding 30,000 MW renewable) against an achievement of 54,964 MW during 11th Plan.
- (ii) Rigorous monitoring of capacity addition of the on-going generation projects.
- (iii) Development of Ultra Mega Power Projects of 4,000 MW each to reap benefits of economies of scale.
- (iv) Advance planning of generation capacity addition projects for 12th Plan.
- (v) Augmentation of domestic manufacturing capacity of power equipment through Joint Ventures.
- (vi) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (vii) To meet the shortfall in coal supplies to thermal power stations from indigenous sources, the power utilities have been advised to import coal.
- (viii) Renovation, modernization and life extension of old and inefficient generation units.
- (ix) Strengthening of inter-state and inter-regional transmission capacity for optimum utilization of available power.
- (x) Strengthening of sub-transmission and distribution network as a major step towards loss reduction.
- (xi) Promoting energy conservation, energy efficiency and demand side management measures.

(e) : To increase the power supply to power deficit States from Central Generating Stations, the steps initiated by the Government inter-alia include (i) synchronous inter-connection of Southern Grid with the NEW (Northern-Eastern-Western) Grid, (ii) creation of additional inter-regional transmission capacity of 38,000 MW during the 12th Plan, (iii) strengthening / development of inter-State transmission lines including high capacity transmission corridors for transfer of power from generation rich areas to power deficit areas, (iv) setting up of power exchanges, (v) regulations for operationalisation of open access, etc. The States generally dispose off the surplus power through power exchanges, trading licensees and bilateral agreements

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 797 ANSWERED IN THE LOK SABHA ON 08.08.2013.

State-wise and source-wise actual power generation during last three years and current year 2013-14 (upto June, 2013)

Sl. No.	Region / State	Category	Actual Generation in (MU)			
			2010-11	2011-12	2012-13	2013-14
1	BBMB	HYDRO	11,273.4	12,459.5	10,941.96	2,976.9
2	DELHI	THERMAL	9,130.0	9,970.7	10,740.71	2,642.75
3	HARYANA	HYDRO	-	-	-	-
		THERMAL	18,854.8	24,046.5	25,452.55	5,891.97
		Total (Haryana)	18,854.8	24,046.5	25,452.55	5,891.97
4	HIMACHAL PRADESH	HYDRO	15,388.6	19,160.6	20,330.53	7,156.39
5	JAMMU AND KASHMIR	HYDRO	12,418.1	12,279.1	12,469.81	4,164.72
		THERMAL	14.1	5.4	0	0
		Total (J&K)	12,432.2	12,284.5	12,469.81	4,164.72
6	PUNJAB	HYDRO	4,190.8	4,626.9	3,930.12	803.42
		THERMAL	18,324.8	19,068.4	18,004.78	4,181.96
		Total (Punjab)	22,515.6	23,695.3	21,934.90	4,985.38
7	RAJASTHAN	HYDRO	390.1	821.6	845.92	17.67
		THERMAL	27,156.2	31,531.5	32,680.07	8,386.12
		NUCLEAR	7,704.5	8,974.1	8,847.86	2,309.33
		Total (Raj.)	35,250.9	41,327.1	42,373.85	10,713.12
8	UTTAR PRADESH	HYDRO	700.0	1,403.7	1,580.06	277.26
		THERMAL	91,645.8	93,620.0	100,256.04	26,643.14
		NUCLEAR	1,886.5	1,983.8	2,544.37	663.6
		Total (UP)	94,232.2	97,007.5	104,380.47	27,584
9	UTTARAKHAND	HYDRO	11,488.7	13,542.5	12,452.65	3,288.45
	Northern		2,30,566.5	2,53,494.2	261077.43	69,403.68
10	CHHATTISGARH	HYDRO	125.2	314.1	301.94	43.53
		THERMAL	56,030.5	59,061.2	67,826.91	16,228.09
		Total (Chhat.)	56,155.7	59,375.4	68,128.85	16,271.62
11	GOA	THERMAL	292.3	277.1	249.08	66.59
12	GUJARAT	HYDRO	4,164.3	4,959.0	4,560.46	1,031.71
		THERMAL	65,603.8	69,678.5	82,724.70	23,232.08
		NUCLEAR	1,446.1	3,787.4	3,470.47	913.87
		Total (Guj.)	71,214.2	78,424.8	90,755.63	25,177.66
13	MADHYA PRADESH	HYDRO	4,898.0	7,736.1	7,215.19	1,518.24
		THERMAL	42,708.9	41,696.3	43,480.92	11,757.78
		Total (M.P.)	47,606.9	49,432.4	50,696.11	13,276.02
14	MAHARASHTRA	HYDRO	5,828.2	6,238.4	5,517.84	1,230.76
		THERMAL	71,839.2	77,338.9	76,804.41	19,967.3
		NUCLEAR	9,117.0	9,814.5	9,824.89	1,710.84
		Total (Mah.)	86,784.4	93,391.7	92,147.14	22,908.9
	Western	Total	2,62,053.4	2,80,901.4	301976.81	77,700.79
15	ANDHRA PRADESH	HYDRO	8,009.6	6,370.8	3,448.11	867.21
		THERMAL	77,122.7	85,697.9	83,648.00	20,756.31
		Total (AP)	85,132.3	92,068.7	87,096.11	21,623.52
16	KARNATAKA	HYDRO	10,746.9	14,259.9	10,160.75	2,008.38
		THERMAL	22,213.0	24,112.7	28,352.90	7,955.69
		NUCLEAR	3,873.1	5,210.7	5,441.75	1,689.59
		Total (Kar.)	36,833.0	43,583.3	43,955.40	11,653.66
17	KERALA	HYDRO	6,801.6	7,808.0	4,647.22	1,131.31
		THERMAL	2,461.1	1,045.7	2,208.99	504.95
		Total (Kr.)	9,262.7	8,853.7	6,856.21	1,636.26

18	LAKSHADWEEP	THERMAL	-	-		
19	PUDUCHERRY	THERMAL	195.5	251.5	220.43	64.74
20	TAMIL NADU	HYDRO	4,957.5	5,199.3	2,884.77	610.83
		THERMAL	45,222.3	46,697.8	47,999.67	13,535.3
		NUCLEAR	2,239.3	2,516.1	2,741.52	367.57
		Total (TN)	52,419.1	54,413.2	53,625.96	14,513.7
	Southern	Total	1,83,842.5	1,99,170.3	191,754.11	49,491.88
21	ANDAMAN NICOBAR	HYDRO	-	-		
		THERMAL	86.8	94.9	130.99	43.55
		Total	86.8	94.9	130.99	43.55
22	BIHAR	HYDRO	-	-		
		THERMAL	14,568.7	13,812.3	14,706.46	3,212.97
		Total (Bihar)	14,568.7	13,812.3	14,706.46	3,212.97
23	DVC	HYDRO	115.0	296.1	199.36	20.75
		THERMAL	16,549.9	19,536.6	25,956.21	7,186.52
		Total (DVC)	16,664.9	19,832.7	26,155.57	7,207.27
24	JHARKHAND	HYDRO	3.5	270.1	142.29	0.16
		THERMAL	5,678.5	6,387.2	11,422.49	3,606.53
		Total (Jhar.)	5,681.9	6,657.3	11,564.78	3,606.69
25	ORISSA	HYDRO	4,754.3	4,987.3	4,351.33	1,960.71
		THERMAL	30,910.5	35,298.6	37,276.82	9,819.09
		Total (Odisha)	35,664.7	40,285.9	41,628.15	11,779.8
26	SIKKIM	HYDRO	2,976.5	2,920.6	2,588.64	917.76
		THERMAL	-	-		
		Total (Sikkim)	2,976.5	2,920.6	2,588.64	917.76
27	WEST BENGAL	HYDRO	1,130.0	1,077.9	1,137.20	266.1
		THERMAL	43,955.6	45,030.7	45,698.91	11,312.96
		Total (WB)	45,085.6	46,108.5	46,836.11	11,579.06
	Eastern		1,20,729.0	1,29,712.2	143610.7	38,347.1
28	ARUNACHAL PRADESH	HYDRO	1,399.6	978.4	1239.66	274.24
29	ASSAM	HYDRO	1,198.8	1,453.0	1,102.89	297.69
		THERMAL	3,129.9	3,102.9	3,097.56	803.95
		Total (Assam)	4,328.7	4,555.9	4,200.45	1,101.64
30	MANIPUR	HYDRO	603.9	523.5	581.75	126.74
		THERMAL	-	-		
		Total (Manpur)	603.9	523.5	581.75	126.74
31	MEGHALAYA	HYDRO	438.8	594.5	782.42	237.17
32	MIZORAM	THERMAL	-	-		
33	NAGALAND	HYDRO	256.0	228.8	213.33	50.6
34	TRIPURA	HYDRO	-	-		
		THERMAL	1,313.4	1,442.8	1,426.83	393.99
		Total (Tripura)	1,313.4	1,442.8	1,426.83	393.99
	North-Eastern	Total	8,340.4	8,324.0	8,444.44	2,184.38
35	Bhutan (Import)	HYDRO	5,610.9	5,284.5	4,788.82	938.76
		Grand Total	8,11,142.8	8,76,886.5	911652.31	2,38,066.6

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 797 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Power Supply Position for 2013-14 (Provisional)

State / System / Region	Energy				Peak			
	April, 2013 - June, 2013				April, 2013 - June, 2013			
	Requirement	Availability	Surplus / Deficit (-)		Peak Demand	Peak Met	Surplus / Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
Chandigarh	446	446	0	0	327	327	0	0
Delhi	7,558	7,527	-31	-0.4	6,035	5,653	-382	-6.3
Haryana	11,044	10,942	-102	-0.9	7,967	7,767	-200	-2.5
Himachal Pradesh	2,369	2,343	-26	-1.1	1,319	1,269	-50	-3.8
Jammu & Kashmir	3,752	2,798	-954	-25.4	2,250	1,678	-572	-25.4
Punjab	13,097	12,936	-161	-1.2	9,519	8,201	-1,318	-13.8
Rajasthan	13,857	13,801	-56	-0.4	7,799	7,753	-46	-0.6
Uttar Pradesh	24,290	20,770	-3,520	-14.5	12,725	12,115	-610	-4.8
Uttarakhand	2,993	2,903	-90	-3.0	1,760	1,709	-51	-2.9
Northern Region	79,406	74,466	-4,940	-6.2	42,620	40,738	-1,882	-4.4
Chattisgarh	5,016	4,946	-70	-1.4	3,365	3,320	-45	-1.3
Gujarat	23,772	23,771	-1	0.0	11,814	11,772	-42	-0.4
Madhya Pradesh	12,104	12,095	-9	-0.1	7,589	7,589	0	0.0
Maharashtra	33,345	32,673	-672	-2.0	17,381	16,670	-711	-4.1
Daman & Diu	548	548	0	0.0	316	291	-25	-7.9
Dadar Nagar Haveli	1,271	1,270	-1	-0.1	621	621	0	0.0
Goa	892	884	-8	-0.9	493	472	-21	-4.3
Western Region	76,948	76,187	-761	-1.0	38,054	37,361	-693	-1.8
Andhra Pradesh	25,232	21,490	-3,742	-14.8	14,072	11,410	-2,662	-18.9
Karnataka	16,215	13,828	-2,387	-14.7	9,934	8,103	-1,831	-18.4
Kerala	5,450	5,108	-342	-6.3	3,538	3,085	-453	-12.8
Tamil Nadu	24,734	22,129	-2,605	-10.5	13,380	11,763	-1,617	-12.1
Pondicherry	628	621	-7	-1.1	342	332	-10	-2.9
Lakshadweep	12	12	0	0	9	9	0	0
Southern Region	72,263	63,180	-9,083	-12.6	39,015	32,507	-6,508	-16.7
Bihar	3,706	3,460	-246	-6.6	2,329	1,898	-431	-18.5
DVC	4,528	4,507	-21	-0.5	2,745	2,745	0	0.0
Jharkhand	1,691	1,630	-61	-3.6	1,111	1,069	-42	-3.8
Orissa	6,321	6,226	-95	-1.5	3,727	3,722	-5	-0.1
West Bengal	11,228	11,189	-39	-0.3	7,178	7,134	-44	-0.6
Sikkim	103	103	0	0.0	80	80	0	0.0
Andaman- Nicobar	60	45	-15	-25	40	32	-8	-20
Eastern Region	27,577	27,115	-462	-1.7	15,642	15,110	-532	-3.4
Arunachal Pradesh	119	113	-6	-5.0	111	106	-5	-4.5
Assam	1,818	1,658	-160	-8.8	1,257	1,118	-139	-11.1
Manipur	128	120	-8	-6.3	122	116	-6	-4.9
Meghalaya	416	368	-48	-11.5	290	286	-4	-1.4
Mizoram	102	98	-4	-3.9	70	68	-2	-2.9
Nagaland	127	123	-4	-3.1	102	100	-2	-2.0
Tripura	277	255	-22	-7.9	225	220	-5	-2.2
North-Eastern Region	2,987	2,735	-252	-8.4	2,101	1,900	-201	-9.6
All India	259,181	243,683	-15,498	-6.0	135,561	126,964	-8,597	-6.3

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.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.812
ANSWERED ON 08.08.2013

MONITORING OF PRIVATE POWER DISTRIBUTION COMPANIES

812. SHRI DHRUVA NARAYANA:

Will the Minister of POWER
be pleased to state:

- (a) whether the working of the private power distribution companies are being monitored regularly;
- (b) if so, the details thereof; and
- (c) if not, the reasons therefor?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER
(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (c) : Electricity is a concurrent subject and the responsibility of electricity distribution rests with the States. Government of India acts as a facilitator in supplementing the efforts of States to provide power to consumers in an improved manner.

Appropriate Commissions have been entrusted with the responsibilities of overseeing the performance of the distribution licensees. Under the Section 86 (1) (i) of the Electricity Act, 2003, the function to be discharged by State Electricity Regulatory Commissions (SERCs), are as quoted below:

"specify or enforce standards with respect to quality, continuity and reliability of service by licensees".

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.821
ANSWERED ON 08.08.2013

HYDRO POWER POTENTIAL IN ARUNACHAL PRADESH

†821 SHRI DINESH CHANDRA YADAV:
SHRI ANANTKUMAR HEGDE:

Will the Minister of POWER
be pleased to state:

- (a) whether any assessment was made regarding Hydro Power generation potential in Arunachal Pradesh during the last few years;
- (b) if so, the details thereof and the quantum of Hydro Power generation projected as per these assessments;
- (c) whether the National Hydro Power Corporation Limited (NHPC) has prepared a frame work of six projects for production of 20,700 MW of Hydro Power; and
- (d) if so, the details thereof and the present status of each of these projects, project-wise?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : As per the re-assessment study of Hydro Electric Potential of the country completed by Central Electricity Authority (CEA) in 1987, the hydropower potential in Arunachal Pradesh has been assessed as 50328 MW (50064 MW - Above 25 MW). The status is as under:

State	Identified Capacity (MW) as per reassessment study		Capacity Developed		Capacity under construction		Capacity Developed + Under Development		Capacity yet to be developed	
	Total	Above 25 MW	(MW)	%	(MW)	(%)	(MW)	(%)	(MW)	%
Arunachal Pradesh	50328	50064	405	0.81	2710	5.41	3115	6.22	46949	93.78

(c) & (d) : The Ministry of Power, Government of India issued an order on 01.5.2000, under Section 18A of Electricity Supply Act, 1948, requiring NHPC to establish, operate and maintain projects in the Dehang (13400 MW) & Subansiri (7300 MW) Basins in Arunachal Pradesh. There were 3 projects in Dehang basin i.e. Siang Upper, Siang Middle & Siang Lower HE projects and 3 projects in Subansiri basin i.e. Subansiri Lower, Subansiri Middle & Subansiri Upper Hydro Electric projects.

Of the above 6 projects, Subansiri Lower project (2000 MW) in Subansiri Basin is presently under construction by NHPC.

The current status of the other five projects is as under:-

S. NO.	PROJECT	STATUS/ REMARKS
1.	Siang Lower	NHPC prepared DPRs of Siang Lower project (2000 mw) and Siyom (Siang Middle-1000 mw). However, these projects were allotted to private developers by the Government of Arunachal in Feb., 2006.
2.	Siang Middle (Siyom)	
3.	Siang Upper / Intermediate Project	Siang Upper/Intermediate project (11000 MW) was allotted to NTPC for preparation of PFR in Feb., 2009. Siang Upper Project (Stage-ii), 3750 MW has been allotted to NEEPCO by the Government of Arunachal Pradesh on 22.03.2013. It has been decided that the project be implemented by a Joint Venture (JV) to be formed between NEEPCO & NHPC.
4.	Subansiri Middle	NHPC prepared Feasibility Report (FR) of Subansiri middle project (1600 MW). However, the project has been allotted to an Independent Power Producer (IPP) by the Government of Arunachal Pradesh.
5.	Subansiri Upper	NHPC prepared Feasibility Report (FR) of Subansiri Upper Project (2000 MW, since revised to 1800 MW). However, Government of Arunachal Pradesh (GoAP) vide letter dated 18.5.2010 intimated the allotment of Subansiri Upper Project to an IPP.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.825
ANSWERED ON 08.08.2013

COVERAGE UNDER APDRP AND R-APDRP

825. SHRI ADAGOORU VISHWANATH:

Will the Minister of POWER
be pleased to state:

- (a) the details of the grants/funds and incentives provided under Accelerated Power Development and Reforms Programme (APDRP) and Re-structured Accelerated Power Development and Reforms Programme (R-APDRP), till date, State-wise;
- (b) whether Karnataka has been continuously deprived of the benefits under APDRP schemes and the consumers of the State have also been deprived of the benefits due to non-inclusion of distribution companies under R-APDRP;
- (c) if so, the details thereof; and
- (d) the remedial measures taken/being taken in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Accelerated Power Development and Reforms Programme (APDRP) was launched in 2002-03 as additional central assistance to the states for strengthening and up-grading sub-transmission and distribution systems with main objectives of reduction in Aggregate Technical & Commercial (AT&C) losses, improve quality and reliability of supply of power. All the states have completed the exercise of closure of the on-going projects of X Plan APDRP.

The state-wise details of projects sanctioned and funds released for investment component and incentive component under APDRP including State of Karnataka is enclosed at Annex-I.

Government of India approved the Restructured-Accelerated Power Development and Reforms Programme (R-APDRP) as a Central Sector Scheme in July, 2008. The focus of R-APDRP is on actual demonstrable performance by utilities in terms of sustained Aggregate Technical and Commercial (AT&C) loss reduction in the project areas.

The state-wise detail of projects sanctioned and funds released under the R-APDRP Programme including State of Karnataka is enclosed at Annex-II.

(b) to (d) : No, Madam. Karnataka has not been deprived of assistance under APDRP/R-APDRP. Under Part-A (IT) of R-APDRP, projects worth Rs.391.14Cr has been sanctioned for establishment of IT enabled system for acquisition of baseline data in all eligible 98 towns and an amount of Rs.185.58 Crore has already been disbursed. Under Part-B of R-APDRP, schemes worth Rs.786.59Cr have been sanctioned for improvement in sub-transmission & distribution system in 81 towns and an amount of Rs.142.34 Cr has been disbursed.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 825
ANSWERED IN THE LOK SABHA ON 08.08.2013

Status of state wise Projects sanctioned and funds released for investment component and incentive component under APDRP

Sr. No	State	Project Cost Sanctioned (Rs. Crore)	Funds released under investment component (Rs. Crore)	Funds released under incentive component (Rs. Crore)	Total Funds released (Rs. Crore)
1	Andhra Pr.	1127.12	566.76	265.11	831.87
2	Arunachal Pr.	82.69	67.32		67.32
3	Assam	650.73	580.63		580.63
4	Bihar	823.15	344.97		344.97
5	Chhattisgarh	353.33	159.21		159.21
6	Delhi	211.02	105.51		105.51
7	Goa	288.94	114.19		114.19
8	Gujarat	1083.22	432.42	1039.31	1471.73
9	Haryana	431.95	168.99	105.49	274.48
10	Himachal Pr.	322.77	306.88		306.88
11	J & K	1100.13	836.37		836.37
12	Jharkhand	423.65	166.82		166.82
13	Karnataka	1186.31	464.94		464.94
14	Kerala	858.50	254.41	147.93	402.34
15	Madhya Pradesh	663.20	178.70	297.61	476.31
16	Maharashtra	1643.12	453.89	137.89	591.78
17	Manipur	141.62	42.76		42.76
18	Meghalaya	227.44	181.06		181.06
19	Mizoram	108.74	98.00		98.00
20	Nagaland	122.27	114.32		114.32
21	Orissa	502.22	74.02		74.02
22	Punjab	715.57	202.67	251.94	454.61
23	Rajasthan	1193.25	434.28	137.71	571.99
24	Sikkim	152.09	154.73		154.73
25	Tamil Nadu	948.12	441.82		441.82
26	Tripura	146.74	128.35	25.22	153.57
27	Uttar Pradesh	1069.25	314.48		314.48
28	Uttarakhand	310.08	279.76		279.76
29	West Bengal	441.85	108.93	496.74	605.67
Total		17329.07	7777.19	2904.95	10682.14

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 825
ANSWERED IN THE LOK SABHA ON 08.08.2013

Status of state wise funds released under R- APDRP

Sr. No	State/UTs	Projects sanctioned under Part-A	Projects sanctioned under Part-B	Funds released for Part-A & Part-B (Rs. Crore)
1	Andhra Pr.	505.62	1294.67	406.51
2	Arunachal Pr.	37.68	0.00	11.30
3	Assam	195.60	644.05	251.89
4	Bihar	216.62	1155.21	140.90
5	Chhattisgarh	163.51	710.24	155.58
6	Chandigarh	33.34	0.00	0.00
7	Goa	110.74	0.00	31.47
8	Gujarat	369.23	954.02	343.01
9	Haryana	165.63	673.58	49.68
10	Himachal Pr.	96.41	338.97	155.16
11	J & K	204.88	1665.27	561.05
12	Jharkhand	160.61	0.00	48.18
13	Karnataka	391.14	786.59	327.92
14	Kerala	297.55	1078.30	251.00
15	Madhya Pradesh	378.57	2034.60	456.94
16	Maharashtra	486.04	3468.74	763.46
17	Manipur	31.55	398.87	129.13
18	Meghalaya	33.98	0.00	10.19
19	Mizoram	35.12	0.00	10.54
20	Nagaland	34.58	0.00	10.37
21	Puducherry	41.42	84.78	4.50
22	Punjab	325.21	1509.73	381.56
23	Rajasthan	466.83	1536.07	406.52
24	Sikkim	26.30	68.46	28.43
25	Tamil Nadu	599.17	2190.88	671.70
26	Tripura	35.18	165.09	60.09
27	Uttar Pradesh	931.49	5093.77	911.92
28	Uttarakhand	142.37	584.09	189.13
29	West Bengal	196.71	683.11	231.78
Total		6713.08	27119.09	6999.91

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.832
ANSWERED ON 08.08.2013

POWER PLANTS OF NTPC

†832. SHRI ASHOK KUMAR RAWAT:

Will the Minister of POWER
be pleased to state:

- (a) the time by which work on the power plants of the National Thermal Power Corporation Limited (NTPC) which are presently under construction is likely to be completed, plant-wise;
- (b) the quantum of additional power likely to be generated from these power plants; and
- (c) the quantum of power proposed to be allocated to Uttar Pradesh from the additional power thus generated?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : The details of capacity (in MW) and likely completion year of under construction power projects of NTPC (including JVs) plant-wise, are given at Annex-I.

(c) : A total of 1,579 MW of power has been allocated/proposed to be allocated to Uttar Pradesh from NTPC's (including JVs) under construction power projects, as per details given in Annex-II.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 832 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Details of NTPC's (including JVs) projects under construction

S. No	Project	State	Capacity (MW)	Likely Completion by
NTPC'S OWN PROJECTS				
Coal based				
1.	Bongaigaon	Assam	750	2015-16
2.	Barh-I	Bihar	1980	2016-17
3.	Barh-II	Bihar	1320	2014-15
4.	Lara-I	Chhattisgarh	1600	2017-18
5.	Kudgi-I	Karnataka	2400	2017-18
6.	Vindhyachal-V	M.P.	500	2015-16
7.	Gadarwara-I	M.P.	1600	2017-18
8.	Mouda-II	Maharashtra	1320	2017-18
9.	Solapur	Maharashtra	1320	2017-18
10.	Rihand-III	U.P.	500	2013-14
11.	Unchahar-IV	U.P.	500	2017-18
Hydro Projects				
1.	Koldam	H.P.	800	2014-15
2.	Tapovan Vishnugad	Uttarakhand	520	2015-16
3.	Lata Tapovan	Uttarakhand	171	2017-18
4.	Singrauli CW Discharge	U.P.	8	2013-14
Solar PV projects				
1.	Ramagundam Phase-I	A.P.	10	2013-14
2.	Faridabad	Haryana	5	2013-14
3.	Rajgarh	M.P.	50	2013-14
4.	Talcher Kaniha	Odisha	10	2013-14
5.	Unchahar	U.P.	10	2013-14
Sub Total - NTPC owned projects :			15,374 MW	
NTPC'S JOINT VENTURE PROJECTS (Coal based)				
1.	Nabinagar, JV with Railways	Bihar	1000	2015-16
2.	Muzaffarpur Exp- Kanti, JV with Bihar State Electricity Board	Bihar	390	2014-15
3.	Nabinagar STPP, JV with Bihar State Electricity Board	Bihar	1980	2018-19
4.	Vallur -Ph. II, JV with Tamil Nadu Electricity Board	Tamil Nadu	500	2013-14
5.	Meja, JV with Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd.	UP	1320	2017-18
Sub Total -			5,190 MW	
Grand Total			20,564 MW	

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 832 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Power allocation to Uttar Pradesh from NTPC's (including JVs) under construction projects

S. No.	Project	State	Capacity (MW)	Power Allocated/ Proposed to be allocated (In MW)
NTPC'S OWN PROJECTS				
Coal Projects				
1.	Rihand-III#	U.P.	500	160
2.	Unchahar-IV\$	U.P.	500	176
Hydro Projects				
1.	Koldam\$	H.P.	800	189
2.	Tapovan Vishnugad#	Uttarakhand	520	101
3.	Lata Tapovan	Uttarakhand	171	37
Sub Total - NTPC owned projects :			663	MW
NTPC'S JOINT VENTURE PROJECT (Coal based)				
1.	Meja, JV with Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd.#	UP	1320	916
Grand Total			1579	MW

Allocation order already issued by Ministry of Power.

\$ Indicative allocation based on Gadgil formula. Final allocation shall be decided by Ministry of Power.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.834
ANSWERED ON 08.08.2013

CAPACITY OF POWER GENERATION

834. SHRI RAJAI AH SIRICILLA:
DR. SANJEEV GANESH NAIK:
SHRI GOPINATH MUNDE:
DR. RATNA DE (NAG):
SHRI HAMDULLAH SAYEED:

Will the Minister of POWER
be pleased to state:

- (a) the total demand and supply of power in the country at present, State/UT-wise;
- (b) whether the power units are not generating power as per their installed capacity;
- (c) if so, the details thereof including the installed capacity of power generation and the actual power generated both in the public and private sectors and the reasons therefor;
- (d) the total capacity of power generation added during the last three years and the current year, State/UT-wise; and
- (e) the details of power projects which are pending for clearance including the steps taken by the Government to augment generation of power in the country?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : The State/UT-wise demand and supply of power in terms of energy and peak during the current financial year 2013-14 (April-June, 2013) are given at *Annex-1*.

(b) & (c): The performance of power plants depend upon many factors like forced and planned outages, technological obsolescence of some of the vintage units, schedule from beneficiary states, transmission constraints and availability and quality of fuel for thermal plants and availability of water for hydel power plants.

The installed capacity is measured in megawatt (MW) and actual power generation from the power plant during a year is measured in Million Unit (MU). The installed capacity (MW) and actual power generation (MU) from the power plants in public sector and private sector during April-June, 2013 are as under:

Year	Installed Capacity (MW) As on 30th June, 2013			Actual generation (MU) As on 30th June, 2013 #		
	Private	Public Sector		Private	Public Sector	
		CENTRAL	STATE		CENTRAL*	STATE
2013-14	71088.04	65612.94	89092.12	55551.57	96076.75	85499.51

Excludes generation from stations up to 25 MW.

* Includes imports from Bhutan

(d) : The details of new generating capacity added during the last three years and the current year 2013-14 (upto June,2013) is given at Annex-II.

(e) : 26 Nos. of Hydro Electric Projects with an aggregate installed capacity of 19,249 MW have been concurred by CEA since 2002-03 and are yet to be cleared by Ministry of Environment and Forest. 21 Nos. of HE Projects in the country with an aggregate installed capacity of 7724 MW are under examination in CEA. Details are given at Annex-III.

Steps taken by the Government to augment the generation of power in the country are :

- (i) Acceleration in generating capacity addition during 12th Plan with a proposed target of 88,537 MW (excluding 30,000 MW renewable) against an achievement of 54,964 MW during 11th Plan.
- (ii) Rigorous monitoring of capacity addition of the on-going generation projects.
- (iii) Development of Ultra Mega Power Projects of 4000 MW each to reap benefits of economies of scale.
- (iv) Advance planning of generation capacity addition projects for 12th Plan.
- (v) Augmentation of domestic manufacturing capacity of power equipment through Joint Ventures.
- (vi) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (vii) To meet the shortfall in coal supplies to thermal power stations from indigenous sources, the power utilities have been advised to import coal.
- (viii) Renovation, modernization and life extension of old and inefficient generation units.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 834 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Power Supply Position for 2013-14 (Provisional)

State / System / Region	Energy				Peak			
	April, 2013 - June, 2013				April, 2013 - June, 2013			
	Require-ment	Avail-ability	Surplus / Deficit (-)		Peak Demand	Peak Met	Surplus / Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
Chandigarh	446	446	0	0	327	327	0	0
Delhi	7,558	7,527	-31	-0.4	6,035	5,653	-382	-6.3
Haryana	11,044	10,942	-102	-0.9	7,967	7,767	-200	-2.5
Himachal Pradesh	2,369	2,343	-26	-1.1	1,319	1,269	-50	-3.8
Jammu & Kashmir	3,752	2,798	-954	-25.4	2,250	1,678	-572	-25.4
Punjab	13,097	12,936	-161	-1.2	9,519	8,201	-1,318	-13.8
Rajasthan	13,857	13,801	-56	-0.4	7,799	7,753	-46	-0.6
Uttar Pradesh	24,290	20,770	-3,520	-14.5	12,725	12,115	-610	-4.8
Uttarakhand	2,993	2,903	-90	-3.0	1,760	1,709	-51	-2.9
Northern Region	79,406	74,466	-4,940	-6.2	42,620	40,738	-1,882	-4.4
Chattisgarh	5,016	4,946	-70	-1.4	3,365	3,320	-45	-1.3
Gujarat	23,772	23,771	-1	0.0	11,814	11,772	-42	-0.4
Madhya Pradesh	12,104	12,095	-9	-0.1	7,589	7,589	0	0.0
Maharashtra	33,345	32,673	-672	-2.0	17,381	16,670	-711	-4.1
Daman & Diu	548	548	0	0.0	316	291	-25	-7.9
Dadar Nagar Haveli	1,271	1,270	-1	-0.1	621	621	0	0.0
Goa	892	884	-8	-0.9	493	472	-21	-4.3
Western Region	76,948	76,187	-761	-1.0	38,054	37,361	-693	-1.8
Andhra Pradesh	25,232	21,490	-3,742	-14.8	14,072	11,410	-2,662	-18.9
Karnataka	16,215	13,828	-2,387	-14.7	9,934	8,103	-1,831	-18.4
Kerala	5,450	5,108	-342	-6.3	3,538	3,085	-453	-12.8
Tamil Nadu	24,734	22,129	-2,605	-10.5	13,380	11,763	-1,617	-12.1
Pondicherry	628	621	-7	-1.1	342	332	-10	-2.9
Lakshadweep	12	12	0	0	9	9	0	0
Southern Region	72,263	63,180	-9,083	-12.6	39,015	32,507	-6,508	-16.7
Bihar	3,706	3,460	-246	-6.6	2,329	1,898	-431	-18.5
DVC	4,528	4,507	-21	-0.5	2,745	2,745	0	0.0
Jharkhand	1,691	1,630	-61	-3.6	1,111	1,069	-42	-3.8
Orissa	6,321	6,226	-95	-1.5	3,727	3,722	-5	-0.1
West Bengal	11,228	11,189	-39	-0.3	7,178	7,134	-44	-0.6
Sikkim	103	103	0	0.0	80	80	0	0.0
Andaman- Nicobar	60	45	-15	-25	40	32	-8	-20
Eastern Region	27,577	27,115	-462	-1.7	15,642	15,110	-532	-3.4
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Assam	1,818	1,658	-160	-8.8	1,257	1,118	-139	-11.1
Manipur	128	120	-8	-6.3	122	116	-6	-4.9
Meghalaya	416	368	-48	-11.5	290	286	-4	-1.4
Mizoram	102	98	-4	-3.9	70	68	-2	-2.9
Nagaland	127	123	-4	-3.1	102	100	-2	-2.0
Tripura	277	255	-22	-7.9	225	220	-5	-2.2
North-Eastern Region	2,987	2,735	-252	-8.4	2,101	1,900	-201	-9.6
All India	259,181	243,683	-15,498	-6.0	135,561	126,964	-8,597	-6.3

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.

ANNEX REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 834 ANSWERED IN THE LOK SABHA ON 08.08.2013.

LIST OF PROJECT COMMISSIONED DURING 2010-11

Sl. No.	PLANT NAME	STATE	SECTOR	FUEL TYPE	CAPACITY (MW)
	THERMAL				
1	SIMHADRI-EXT U-3	AP	C	COAL	500
2	KONASEEMA ST	AP	P	GAS/LNG	165
3	KONDAPALLI CCPP PH-II ST	AP	P	GAS/LNG	133
4	KAKATIYA TPP	AP	S	COAL	500
5	RAYALSEEMA ST-III, U5	AP	S	COAL	210
6	KORBA III U-7	Chhattisgarh	C	COAL	500
7	RITHALA CCPP GT	Delhi	P	GAS/LNG	71.5
8	PRAGATI-III (BAWANA) GT-1,2	Delhi	S	GAS/LNG	500
9	MUNDRA TPP PH-I, U 3,4	Gujarat	P	COAL	660
10	MUNDRA TPP PH-II, U 1	Gujarat	P	COAL	660
11	SURAT LIGNITE EXT U3,4	Gujarat	S	LIGNITE	250
12	INDIRA GANDHI TPP (JHAJJAR) JV U1	Haryana	C	COAL	500
13	RAJIV GANDHI TPS (HISSAR) U-2	Haryana	S	COAL	600
14	UDUPI TPP (LANCO NAGARJUNA) U1	Karnataka	P	COAL	600
15	RAICHUR U 8	Karnataka	S	COAL	250
16	JSW ENERGY, RATNAGIRI U1,2	Maharashtra	P	COAL	600
17	TPS AT WARORA U1-3	Maharashtra	P	COAL	405
18	STERLITE TPP U 2,1	Odisha	P	COAL	1200
19	BARSINGSAR LIG U1,2	Rajasthan	C	LIGNITE	250
20	JALLIPA LIGNITE U2	Rajasthan	P	LIGNITE	135
21	CHHABRA TPS U-2	Rajasthan	S	COAL	250
22	BARAMURA GT	Tripura	S	GAS/LNG	21
23	DADRI EXT U-6	UP	C	COAL	490
24	ROSA ST-I U2	UP	P	COAL	300
25	FARAKKA STAGE-III U-6	WB	C	COAL	500
26	MEJIA PH II U7,8	WB	C	COAL	1000
				TOTAL	11250.5
	HYDRO				
1	JURALA PRIYA U 4,5	AP	S	HYDRO	78
2	ALLAIN DUHANGAN	HP	P	HYDRO	192
3	SEWA-II U1,2,3	J&K	C	HYDRO	120
4	KOTESHWAR U1,2	Uttarakhand	C	HYDRO	200
5	KUTIYADI ADDL. EXT U1,2	Kerala	S	HYDRO	100
				TOTAL	690
	NUCLEAR				
1	KAIGA U-4	Karnataka	C	NUCLEAR	220
				TOTAL	220
					12160.5

LIST OF PROJECTS COMMISSIONED DURING 2011-2012

Sl. No.	PLANT NAME	STATE	SECTOR	FUEL TYPE	CAPACITY (MW)
	THERMAL				
1	SIMHADRI TPP U4	AP	C	COAL	500
2	SIMHAPURI ENERGY PVT LTD U1	AP	P	COAL	150
3	KOTHAGUDEM ST-VI	AP	S	COAL	500
4	LAKWA WH	Assam	S	GAS	37.2
5	SIPAT-I U1,2	Chhattisgarh	C	COAL	1320
6	KASAIPALLI TPP	Chhattisgarh	P	COAL	135
7	S. V. POWER TPP	Chhattisgarh	P	COAL	63
8	KATGHODA TPP U1	Chhattisgarh	P	COAL	35
9	RITHALA ST	Delhi	P	GAS	36.5
10	PRAGATI-III (BAWANA) ST-1	Delhi	S	GAS/LNG	250
11	MUNDRA TPP PH-II U 2	Gujarat	P	COAL	660
12	ULTRA MEGA MUNDRA U1	Gujarat	P	COAL	800
13	SALAYA TPP U 1	Gujarat	P	COAL	600
14	GSEG HAZIRA EXT	Gujarat	S	GAS/LNG	351
15	MUNDRA TPP-III U1-3	Gujarat	P	COAL	1980
16	INDIRA GANDHI TPP (JHAJJAR) JV U2	Haryana	C	COAL	500
17	MATHAMA GANDHAI(JHAJJAR)TPP U1	Haryana	P	COAL	660
18	KODARMA U1	Jharkhand	C	COAL	500
19	MAITHAN RBC JV U1,2	Jharkhand	P	COAL	1050
20	UDUPI TPP (LANCO NAGARJUNA) U2	Karnataka	P	COAL	600
21	BELLARI TPP U2	Karnataka	S	COAL	500
22	JSW ENERGY, RATNAGIRI U3-4	Maharashtra	P	COAL	600
23	TPS AT WARORA U4	Maharashtra	P	COAL	135
24	MIHAN TPP	Maharashtra	P	COAL	246
25	KHAPER KHEDA EXT	Maharashtra	S	COAL	500
26	BHUSAWAL TPP U4,5	Maharashtra	S	COAL	1000
27	STERLITE TPP U3	Odisha	P	COAL	600
28	JALIPA LIGNITE U 3,4	Rajasthan	P	LIGNITE	270
29	VALLUR TPP PH-1 U1	Tamil Nadu	C	COAL	500
30	NEYVELI - II LIG U1	Tamil Nadu	C	LIGNITE	250
31	KHAMBRKHERA U 1,2	UP	P	COAL	90
32	MAQSOODPUR U 1,2	UP	P	COAL	90
33	BARKHERA TPP U 1,2	UP	P	COAL	90
34	KUNDARKI TPP U1,2	UP	P	COAL	90
35	UTRALA TPP U1,2	UP	P	COAL	90
36	ANPARA-C U1,2	UP	P	COAL	1200
37	ROSA TPP PH-II U3,4	UP	P	COAL	600
38	HARDUAGANJ EXT U-8	UP	S	COAL	250
39	DURGAPUR STEEL U1,2	WB	C	COAL	1000
40	SANTALDIH EXT-U 6	WB	S	COAL	250
				TOTAL	19078.7
	HYDRO				
1	JURALA PRIYA U 6	AP	S	HYDRO	39
2	MALANA II U1,2	HP	P	HYDRO	100
3	KARCHAM WANGTOO U 1-4	HP	P	HYDRO	1000
4	KOTESHWAR U3,4	Uttarakhand	C	HYDRO	200
5	MYNTDU St-I U1,2	Meghalaya	S	HYDRO	84
				TOTAL	1423
		GRAND TOTAL			20501.7

LIST OF PROJECTS COMMISSIONED DURING 2012-2013

SI.No	PROJECT NAME	STATE	SECTOR	FUEL TYPE	CAPACITY (MW)
	THERMAL				
1	SIMHAPURI TPP PH-1 U2	AP	P	COAL	150
2	THAMMINAPATNAM TPP I U 1	AP	P	COAL	150
3	KASAIPALLI TPS UNIT 2	Chhattisgarh	P	COAL	135
4	KORBA WEST	Chhattisgarh	S	COAL	500
5	RATIJA TPP UNIT 1	Chhattisgarh	P	COAL	50
6	SIPAT St-I STPP UNIT 3	Chhattisgarh	C	COAL	660
7	PRAGATI III GT-3	Delhi	S	GAS	250
8	PIPAVA CCGP	Gujarat	S	GAS	351
9	SALAYA TPS U 2	Gujarat	P	COAL	600
10	UKAI TPP EXT U-6	Gujarat	S	COAL	500
11	UMPP-MUNDRA U 2,3,4,5	Gujarat	P	COAL	3200
12	UNOSUGEN CCGP MODULE 1	Gujarat	P	GAS	382.5
13	INDIRA GANDHI (JHAJJAR) STPP U3	Haryana	C	COAL	500
14	MAHATMA GANDHI TPP U2	Haryana	P	COAL	660
15	ADHUNIK POWER TPP U1,2	Jharkhand	P	COAL	540
16	KODERMA TPP UNIT 2	Jharkhand	C	COAL	500
17	AMARAVATI TPP PH 1 U1	Maharashtra	P	COAL	270
18	BELA TPP-1U-1	Maharashtra	P	COAL	270
19	BUTIBORI TPP U-1	Maharashtra	P	COAL	300
20	EMCO WARORA TPP U1	Maharashtra	P	COAL	300
21	GEPL TPP PH-1, UNIT 1,2	Maharashtra	P	COAL	120
22	MOUDA TPP U1,2	Maharashtra	C	COAL	1000
23	TIRORA TPP PH I UT-1,2	Maharashtra	P	COAL	1320
24	BINA TPP U1,2	MP	P	COAL	500
25	MAHAN TPP UNIT 1	MP	P	COAL	600
26	SATPURA TPS EXTN U-10	MP	S	COAL	250
27	VINDHYACHAL STPS-IV U-11,12	MP	C	COAL	1000
28	STERLITE (JHARSUGUDA) TPP U-4	Odisha	P	COAL	600
29	KAMALANGA TPP U-1	Odisha	P	COAL	350
30	JALIPA KAPURDI U5,6,7,8	Rajasthan	P	LIG	540
31	RAMGARH GT	Rajasthan	S	GAS	110
32	IND BARATH TUTICORIN U-1	Tamil Nadu	P	COAL	150
33	METTUR TPP EXT U 1	Tamil Nadu	S	COAL	600
34	NORTH CHENNAI EXT U 2	Tamil Nadu	S	COAL	600
35	VALLUR TPP PH I UNIT 2	Tamil Nadu	C	COAL	500
36	TRIPURA CCGT	Tripura	C	GAS	363.3
37	HARDUGANJ TPP EXT. UNIT-9	UP	S	COAL	250
38	PARICHAHA EXTN U-5,6	UP	S	COAL	500
39	RIHAND STPP St-III UNIT 5	UP	C	COAL	500
				TOTAL	20121.8
	HYDRO				
1	Budhil Unit-1,2	HP	P	HYDRO	70
2	CHAMERA III UNIT 1,2,3	HP	C	HYDRO	231
3	CHUTAK HEP Unit 1,2,3,4	J&K	C	HYDRO	44
4	MYNTDU U3	Meghalaya	S	HYDRO	42
5	TEESTA LOW DAM-III UNIT 1,2,3	WB	C	HYDRO	99
6	BHAWANI KATTLAI BARRAGE-III U-1	Tamil Nadu	S	HYDRO	15
				TOTAL	501
		GRAND TOTAL			20622.8

LIST OF PROJECTS COMMISSIONED DURING 2013-2014 (12TH PLAN) AS ON 30.06.2013

PROJECT NAME	STATE	SECTOR	FUEL TYPE	CAPACITY (MW)
THERMAL PROJECTS				
THAMMINAPATNAM TPP U2	AP	P	COAL	150
PRAGATI III GT-4	DELHI	S	GAS	250
KAWAI TPP U1	RAJASTHAN	P	COAL	660
SASAN UMPP U1	MP	P	COAL	660
TIRODA TPP PH-II U-1	MAHARASHTRA	P	COAL	660
				2380
HYDRO PROJECTS				
TEESTA LOW DAM-III HEP U4	WB	C	HYDRO	33
CHUJACHEN HEP U1	SIKKIM	P	HYDRO	49.5
CHUJACHEN HEP U2	SIKKIM	P	HYDRO	49.5
				132
				2512

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 834 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Hydro Electric Schemes Concurred by CEA since 2002-03 and awaiting Environment/Forest Clearance

Sl. No.	Scheme/ Sector/	Agency	Nos. x MW	IC (MW)	CEA Concurrence	Remarks
	Northern Region					
	Himachal Pradesh					
1	Miyar/ Private	MHPCL	3x40	120	07.02.2013	Environment cleared on 30.07.2012 FC Stage-I cleared on 27.07.2012.
	Uttarakhand					
2	Kotlibhel St-IA Central	NHPC	3x65	195	03.10.06 Validity extended up to 2.10.2014 on 27.11.2012	EC obtained on 9.5.2007 and FC St - I obtained on 13.10.2011 & St - II awaited.
3	Kotlibhel St-IB Central	NHPC	4x80	320	31.10.06 Validity extended up to 30.10.14 on 23.11.2012.	MOEF declined FC&EC given earlier on 14.08.07 is withdrawn on 22.11.10.
4	Kotlibhel St-II Central	NHPC	8x66.25	530	30.11.06 Validity extended up to 29.11.14 on 27.11.2012	E.C. accorded on 23.08.2007 F.C. declined.
5	Rupsiyabagar Khasiyabara Central	NTPC	3x87	261	16.10.08	Forest clearance awaited.
6	Vyasi /State	UJVNL	2x60	120	25.10.11	EC obtained on 7.9.2007 and FC obtained on 21.10.1986. Fresh FC awaited.
7	Devsari / Central	SJVNL	3x84	252	07.08.12	Forest & Environment clearance awaited.
	Sub- Total : NR :			1798		
	WESTERN REGION					
	Chhattisgarh					
8	Matnar HEP/ State	CSPCPL	3x20	60	19.08.04	Yet to be cleared by MOEF.
	Sub- Total : WR :			60		
	SOUTHERN REGION					
	Kerala					
9	Athirappilly State	KSEB	2x80+2x1.5	163	31.03.05	Project was referred by MOEF to Western Ghats Ecology Expert Panel (WGEEP) constituted by MOEF in Feb., 2010 to study ecologically aspects. WGEEP has recommended to MOEF that Athirapilly -Vazachal area should be protected as such and the permission for the proposed hydro-electric project at Athirapilly should not be given.
	Andhra Pradesh					
10	Indirasagar (Polavaram) State/	APGENCO	12x80	960	21.02.12	EC approval on 25.10.05. Against an appeal, NEAA quashed clearance on 19.12.07 on ground of public hearing not acceptable in Orissa & Chhattisgarh. Against appeal of GO AP, HC of AP on 31.12.07 suspended order of NEAA until further orders.

	Karnataka					
11	Gundia State	KPCL	1x200	200	25.04.08	Project was referred by MOEF to Western Ghats Ecology Expert Panel (WGEEP) constituted by MOEF in Feb., 2010 to study ecologically aspects. WGEEP has Submitted its report to MOEF indicating that MOEF need not to permit the execution of Gundia HEP as the loss of diversity and environmental impacts would be significant. MOEF sought for opening of GOK on this report and the same has already been submitted to MOEF. Centre has constituted a committee under Chairmanship of Dr. Kasturirangan, Member Planning Commission to prepare a road map for implementation of infrastructure projects that would not affect environment. Committee held a meeting on 21.8.12 at New Delhi and details sought have been furnished. On 13.01.2013 Dr. Kasturirangan with a high level working group has visited the Project. Director, MOEF has sought some more details on 31.01.2013. HLWG has submitted the report to MOEF on 15.04.13. Design of MOEF is awaited.
	Sub - Total: SR			1323		
	Eastern REGION					
	Sikkim					
12	Teesta St-IV Central	NHPC	4x130	520	13.05.10	EC awaited, FC-I cleared on 26.02.2013.
	Sub - Total: ER			520		
	N- E Region					
	Manipur					
13	Tipaimukh Central	NHPC	6x250	1500	02.07.03	EC approved on 24.10.08. FC is under process. Project is proposed to be undertaken through JVC (NHPC-69%, SJVNL - 26%, Govt of Manipur-5%.
14	Loktak D/S Central	LDHCL	2x33	66	Concurrence transferred, from NHPC to LHDC on 6.8.12 validity of concurrence extended upto 14.11.14 on 24.01.13	EC approved on 16.01.2013. Stage-I FC accorded on 03.03.11. Stage-II FC awaited.
	Ar. Pradesh					
15	Dibang Central	NHPC	12x250	3000	23.01.08 Concurrence validity extended up to 22.1.2013 on 07.06.2012	EC & FC yet to be cleared by MOEF.
16	Dibbin Private	KSKDHPL	2x60	120	04.12.09	F.C of St-I obtained on 7.2.2012 & awaited for St- II. E.C accorded on 23.7.2012.

17	Lower Siang/ Private	JAVL	9x300	2700	16.02.10	Yet to be cleared by MOEF.
18	Nyamjang Chhu Private/Tawang	BEL	6x130	780	24.03.11	EC obtained on 19.4.12. St-I FC obtained on 9.4.2012 & St-II awaited.
19	Tawang St-I Central/	NHPC	3x200	600	10.10.11	Environment clearance accorded on 10.6.11. Forest clearance proposal forwarded by State Govt. to MOEF on 21.08.2011. FC awaited.
20	Tato-II Private	THPPL	4x175	700	22.5.12	Environment clearance accorded on 27.6.11. Forest clearance awaited.
21	Tawang St-II Central/	NHPC	4x200	800	22.09.11	EC accorded on 10.06.11. FC - proposal forwarded by State Govt. to MOEF on 28.08.11
22	Hirong	JAPL	4x125	500	10.04.2013	EC & FC awaited.
23	Etalain	EHEPC L	10x307+1x 19.6+1x7.4	3097	12.07.2013	EC - Clearance for revised install capacity of 3097 MW yet to be obtained. FC - Proposal for diversion of forest land submitted by developer to State Forest Department vide letter dated 10.11.2012. Clearance yet to be obtained.
24	Talong Londa	GMR	3x75	225	30.04.2013\$	EC- EIA-EMP reports submitted to SPCB in Dec, 2011 for public hearing. FC- Forest case submitted to GoArP in Nov,2010
25	Naying	DSCNP PL	4x250	1000	31.07.2013\$	EC & FC awaited.
	Mizoram					
26	Kolodyne St-II Central/	NTPC	4x115	460	14.09.11	Revised TOR submitted on 26.7.11. Forest proposal submitted to State Govt. on 20.12.2010.
	Sub -Total NER			15548		
	Total : All India			19249		

* : Completion Cost

EC : Environment Clearance FC: Forest Clearance JVC: Joint Venture Company

\$: Date of Concurrence meeting. Concurrence letter yet to be issued.

List of Hydro-Electric Schemes under Examination in CEA

S. No.	Scheme	State	Sector	Agency	Units x MW	Installed Capacity (MW)
1	Kiru HEP	J&K	Joint Venture	CVPP	4x165	660
2	New Ganderwal	J&K	State	JKPDC	3x31	93
3	Kirthai-I	J&K	State	JKPDC	4x95+1x10	390
4	Seli HEP	H.P.	Private	SHPCL	4x100	400
5	Chhatru HEP	H.P.	Private	DSC	3x42	126
6	Sach Khas	H.P.	Private	L&T HHPL	3x86.67+1x7	267
7	Luhri	H.P.	Central	SJVNL	3x196	588
8	Jelam Tamak	Utt.	Central	THDCIL	3x36	108
9	Bowala Nand Paryag	Utt.	State	UJVNL	4x75	300
10	Dagamara HEP	Bihar	State	BSHPCL	17x7.65	130
11	Lower Kopli	Assam	State	APGCL	2x55+1x5+2x2.5	120
12	Kynshi-I	Meghalaya	Private	Athena Kyunshi Pvt. Ltd.	2x135	270
13	Umngot	Meghalaya	State	MePGCL	3x80	240
14	Dikhu HEP	Nagaland	Private	MESPL	3x62	186
15	Siyom HEP	Ar. Pr.	Private	SHPPL	6x166.67	1000
16	Kalai -II HEP	Ar Pr.	Private	Kalai PPL	6x200	1200
17	Demwe Upper	Ar. Pr.	Private	LUPL	5x206+1x50	1080
18	Tagurshit HEP	Ar. Pr.	Private	LTAHPL	3x24.67	74
19	Nyukcharong Chu	Ar. Pr	Private	SNCPCCL	3x32	96
20	Tato-I	Ar. Pr.	Private	SHPPL	3x62	186
21	Heo	Ar. Pr.	Private	HHPPL	3x70	210
	Total					7724

GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.851
ANSWERED ON 08.08.2013

SHORTFALL IN POWER GENERATION DUE TO WATER SHORTAGE

851. SHRI D.B. CHANDRE GOWDA:
SHRI S.R. JEYADURAI:

Will the Minister of POWER
be pleased to state:

- (a) whether scarcity of water has resulted in shortfall in power generation by various power projects in different States;
- (b) if so, the details thereof along with the shortfall in power generation from various hydro power projects during the summer period, project/State-wise;
- (c) whether the Government has conducted any study to ascertain the performance of various hydro power projects *vis-a-vis* production of power therefrom;
- (d) if so, the details thereof and if not, the reasons therefor; and
- (e) the corrective measures taken/being taken by the Government in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER
(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b): No, Madam. During 2013-14 (upto 30.07.2013), the hydel power generation in this country was 46442.34 MU as against the target of 43903.40 MU i.e. an increase of 2538.94 MU. However, actual hydel generation was less as compared to the target in some hydro power projects. The details of such hydro power projects are given at Annex.

(c) & (d) : The performance of hydro-electric projects are evaluated by assessing their average operating availability, forced and planned outages and the actual production of power vis-à-vis the targets fixed for various Hydro Stations. Review of performance of Hydro Power Stations is brought out by Central Electricity Authority (CEA) incorporating all above information. In addition to above the reservoir levels of Major Storage based schemes is also monitored regularly by CEA.

(e) : The generation from hydro power station depends on the inflow due to rainfall in the catchment area and snowmelt (Himalayan Rivers) and the available storages. The generation will be generally less if there is shortfall in rainfall in catchment area. Any shortage in hydro generation is compensated by increasing generation from thermal power stations.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 851 ANSWERED IN THE LOK SABHA ON 08.08.2013.

ACTUAL GENERATION VIS-A-VIS TARGET OF H.E.STATIONS (HAVING STATION CAPACITY ABOVE 25 MW) IN THE COUNTRY FOR THE YEARS 2013-14 (UPTO 30.07.2013)

Name of the Stations	Installed As on 31.07.2013 (MW)	2013-14(UPTO 30.07.2013)		
		Target (MU)	Achiev.* (MU)	% Achiev. over Prog.
NORTHERN REGION				
CENTRAL				
NHPC				
1. Baira Siul	198.00	377	291.74	77.45
2. Tanakpur	94.20	156	145.80	93.58
3. Chamera-II	300.00	748	729.06	97.42
4. Chamera-III	231.00	542	501.82	92.59
5. Uri	480.00	1324	1317.51	99.49
6. Dhauliganga	280.00	482	301.06	62.41
7. Sewa-II (J&K)	120.00	249	204.58	82.03
8. Chutak	44.00	16	9.44	59.37
9. Nimboo Bazdo	-	22	0.45	2.07
HIMACHAL PRADESH				
HPSEBL				
1. Bassi	60.00	162	98.78	60.83
2. Sanjay	120.00	250	230.41	92.02
LANCO GREEN POWER LTD				
1. Budhil (Pvt.)	70.00	141.2	71.98	50.98
EVEREST POWER PRIVATE LTD				
1. Malana - II (Pvt.)	100.00	183.9	183.80	99.95
JAMMU & KASHMIR				
JKSPDC				
1. Upper Sindh II	105.00	158.5	111.94	70.62
2. Baglihar	450.00	1265.3	1242.17	98.17
RAJASTHAN				
RRVUNL				
1. R.P. Sagar	172.00	0	13.88	-
2. Mahi Bajaj I&II	140.00	20	10.01	50.05
PUNJAB				
PSPCL				
1. Shanan	110.00	285.4	150.17	52.62
2. Mukerian I-IV	207.00	378.5	183.10	48.38
UTTARAKHAND				
UJVNL				
1. Ram Ganga	198.00	75	43.94	58.59
2. Chilla	144.00	284.3	263.99	92.86
3. Maneri Bhali-I	90.00	200.7	115.34	57.47
4. Maneri Bhali-II	304.00	565.4	326.30	57.71

JAIPRAKASH POWER VENTURE LTD.(JPVL)				
1. Vishnu Prayag	400.00	806.1	438.63	54.41
CENTRAL/ COMMON				
MPPGCL				
1. Bansagar Tons-II	30.00	17.8	10.79	60.62
2. Bansagar Tons-III	60.00	0	44.36	-
3. Rajghat	45.00	4.8	2.88	60.00
MAHARASHTRA				
MAHAGENCO				
1. Koyna St.III	320.00	202.2	183.40	90.70
2. Koyna IV	1000.00	673.4	294.10	43.67
3. Ghatghar PSS	250.00	132.8	93.63	70.50
DODSON-LINDBLOM HYDRO POWER PVT. LTD. (DLHP)				
1.Bhandardhara - II	34.00	32.8	21.14	64.45
SOUTHERN REGION				
ANDHRA PRADESH				
APGENCO				
1. N.J.Sagar PSS	815.60	162	5.98	3.69
2. N.J.Sagar LBC	60.00	2	0.00	0.00
3. N.J.Sagar TDP				
4.Srisaillam LB	900.00	174	137.09	78.70
KARNATAKA				
KPCL				
1. Sharavathy	1035.00	1584	1198.95	75.71
2. Kalinadi	855.00	930	654.89	70.39
3. Supa DPH	100.00	104	87.96	84.99
4. Bhadra	39.20	7	2.98	42.57
5. Lingnamakki	55.00	55	33.98	62.35
6. Kodasali	120.00	109	102.27	94.00
7.Gerusoppa	240.00	212	149.61	70.74
8.Jog	139.20	85	62.38	73.22
9.Shivasamudram	42.00	72	40.27	55.78
KERALA				
KSEB				
1. Idukki	780.00	860	366.63	42.63
2. Sabarigiri	300.00	425	373.27	87.87
3. Kuttiadi Addn. Extn.	100.00			
4. Sholayar	54.00	64	55.45	87.05
5. Sengulam	48.00	55	37.59	67.97
6. Pallivasal	37.50	80	72.35	89.99
7. Poringalkuthu	32.00	51	50.53	98.69
8.Panniar	30.00	45	41.53	93.12
9.Idamalayar	75.00	98	69.66	70.86
10.Kakkad	50.00	71	69.27	97.15
TAMIL NADU				
TANGEDCO				
1. Moyar	36.00	44.7	37.18	83.18
2. Kundah I-V	555.00	454.4	383.84	84.47
3.Parson's Valley	30.00	10.9	5.40	49.54

4. Mettur Dam & Tunnel	250.00	72.5	24.69	34.06
5. Lower Mettur I-IV	120.00	56.1	5.18	9.23
6. Sarkarpathy	30.00	14.4	0.00	0.00
7. Sholayar I&II	95.00	77.7	45.19	58.16
8. Kodayar I&II	100.00	58.4	48.51	83.07
9. Pykara Ultimate	150.00	118.8	91.03	76.62
EASTERN REGION				
JHARKHAND				
JSEB				
1. Subernarekha I&II	130.00	19.60	0.16	0.82
D.V.C.				
1. Maithon (WB)	63.20	32.3	19.20	59.44
ODISHA				
OHPC				
1. Hirakud I&II	347.50	291.6	253.47	86.92
WEST BENGAL				
WBSedCL				
1. Jaldhaka - I	27.00	65.2	63.31	97.10
2. Purulia PSS	900.00	251.9	183.20	72.73
NHPC				
1. Teesta Low Dam-III	132.00	238	60.29	25.33
SIKKIM				
PRIVATE SECTOR				
GATI INVESTMENTS PVT LTD				
1. Chuzachen HEPP(Sikkim)	99	230.8	28.13	12.19
NORTH EASTERN REGION				
MEGHALAYA				
MeECL				
1. Kyrdemkulai	60.00	37	33.32	91.04
2. Myntdu	126.00	216	187.28	86.58
NEEPCO				
1. Khandong	50.00	85	77.11	91.15
2. Ranganadi	405.00	533	428.99	80.52

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.863
ANSWERED ON 08.08.2013

SURVEY OF VILLAGES NOT COVERED BY RGGVY

†863. SHRI RAM SINGH KASWAN:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government proposes to conduct any survey to identify the villages which are not covered under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY); and
- (b) if so, the details thereof and if not, the reasons therefor?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : No, Madam.

(b) : Under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), it has been proposed that States will conduct actual field survey to identify the villages for electrification while preparing Detailed Project Reports (DPRs) during 12th Plan. Therefore, there is no proposal to conduct any separate survey by the Government to identify the villages which are not covered under the RGGVY.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.866
ANSWERED ON 08.08.2013

SHORTFALL IN ELECTRICITY SUPPLY

866. SHRI PONNAM PRABHAKAR:

Will the Minister of POWER
be pleased to state:

- (a) whether the country is projected to see an electricity supply shortfall of 6.7 percent in the current fiscal with the southern region expected to be the worst hit therefrom;
- (b) if so, the details thereof and the present position thereof, State-wise; and
- (c) the remedial measures being taken by the Union Government in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : As per the assessment of demand and supply of power for the year 2013-14 done by Central Electricity Authority (CEA), the country would have energy shortage of 6.7%. States of Southern Region are anticipated to have energy shortage of 19.1% during 2013-14. The State-wise details of projected annual power supply position for 2013-14 is given at Annex-I. The State-wise details of present power supply position during 2013-14 (April-June, 2013) is given at Annex-II.

(c) : The measures taken/being taken by the Government to overcome the shortage of power in the country inter-alia are :

- (i) Acceleration in generating capacity addition during 12th Plan with a proposed target of 88,537 MW (excluding 30,000 MW renewable) against an achievement of 54,964 MW during 11th Plan.
- (ii) Rigorous monitoring of capacity addition of the on-going generation projects.
- (iii) Development of Ultra Mega Power Projects of 4000 MW each to reap benefits of economies of scale.
- (iv) Advance planning of generation capacity addition projects for 12th Plan.

- (v) Augmentation of domestic manufacturing capacity of power equipment through Joint Ventures.
- (vi) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (vii) To meet the shortfall in coal supplies to thermal power stations from indigenous sources, the power utilities have been advised to import coal.
- (viii) Renovation, modernization and life extension of old and inefficient generation units.
- (ix) Strengthening of inter-state and inter-regional transmission capacity for optimum utilization of available power.
- (x) Strengthening of sub-transmission and distribution network as a major step towards loss reduction.
- (xi) Promoting energy conservation, energy efficiency and demand side management measures.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO.866 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Anticipated annual power supply position in each State/ UT for 2013-14

State / Region	Energy				Peak			
	Requirement	Availability	Surplus(+) / Deficit(-)		Demand	Availability	Surplus(+)/Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
Chandigarh	1750	1769	19	1.1	370	301	-69	-18.7
Delhi	26910	39464	12554	46.7	6100	6043	-57	-0.9
Haryana	44700	51536	6836	15.3	7900	8365	465	5.9
Himachal Pradesh	9425	9682	257	2.7	1540	2132	592	38.4
Jammu & Kashmir	16240	16657	417	2.6	2575	2358	-217	-8.4
Punjab	50850	40819	-10031	-19.7	12200	9075	-3125	-25.6
Rajasthan	59770	50747	-9023	-15.1	9300	8135	-1165	-12.5
Uttar Pradesh	97785	80203	-17582	-18.0	14400	11606	-2794	-19.4
Uttarakhand	12455	10542	-1913	-15.4	1900	1774	-126	-6.6
Northern Region	319885	301418	-18467	-5.8	47500	46879	-621	-1.3
Chhattisgarh	21410	21484	74	0.4	3120	3236	116	3.7
Gujarat	76808	81510	4702	6.1	11850	11832	-18	-0.2
Madhya Pradesh	59431	63112	3681	6.2	9494	11432	1939	20.4
Maharashtra	118455	106880	-11575	-9.8	18250	19738	1488	8.2
Daman & Diu	2115	2220	105	5.0	262	246	-16	-5.9
D.N. Haveli	5315	5116	-199	-3.7	625	610	-15	-2.5
Goa	3219	3075	-144	-4.5	460	437	-23	-4.9
Western Region	286752	283396	-3356	-1.2	43456	46389	2934	6.8
Andhra Pradesh	109293	99398	-9895	-9.1	15955	13985	-1970	-12.4
Karnataka	75947	58345	-17602	-23.2	11925	8663	-3262	-27.4
Kerala	22384	16824	-5560	-24.8	3731	2813	-918	-24.6
Tamil Nadu	99765	73323	-26442	-26.5	14970	9871	-5099	-34.1
Puducherry	2451	2693	242	9.9	363	356	-7	-1.8
Southern Region	309840	250583	-59257	-19.1	44670	33001	-11669	-26.1
Bihar	15268	12361	-2906	-19.0	2750	1954	-796	-29.0
DVC	19605	24740	5135	26.2	2800	4354	1554	55.5
Jharkhand	8609	8022	-587	-6.8	1285	1381	96	7.5
Orissa	27130	26911	-219	-0.8	3800	4238	438	11.5
West Bengal	48489	58965	10476	21.6	8045	8338	293	3.7
Sikkim	531	881	350	65.8	125	163	38	30.0
Eastern Region	119632	131880	12248	10.2	18257	19700	1443	7.9
Arunachal Pradesh	655	539	-116	-17.7	135	128	-7	-5.2
Assam	7031	5647	-1384	-19.7	1368	1046	-322	-23.5
Manipur	596	659	63	10.6	146	140	-6	-4.1
Meghalaya	1905	2063	158	8.3	369	359	-10	-2.7
Mizoram	430	505	75	17.5	82	92	10	12.2
Nagaland	591	558	-33	-5.6	125	114	-11	-8.8
Tripura	1216	1052	-164	-13.5	355	301	-54	-15.2
North-Eastern Region	12424	11024	-1400	-11.3	2251	2025	-226	-10.0
All India	1048533	978301	-70232	-6.7	144225	140964	-3261	-2.3

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO.866 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Power Supply Position for 2013-14 (Provisional)

State / System / Region	Energy				Peak			
	April, 2013 - June, 2013				April, 2013 - June, 2013			
	Require-ment	Avail-ability	Surplus / Deficit (-)		Peak Demand	Peak Met	Surplus / Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
Chandigarh	446	446	0	0	327	327	0	0
Delhi	7,558	7,527	-31	-0.4	6,035	5,653	-382	-6.3
Haryana	11,044	10,942	-102	-0.9	7,967	7,767	-200	-2.5
Himachal Pradesh	2,369	2,343	-26	-1.1	1,319	1,269	-50	-3.8
Jammu & Kashmir	3,752	2,798	-954	-25.4	2,250	1,678	-572	-25.4
Punjab	13,097	12,936	-161	-1.2	9,519	8,201	-1,318	-13.8
Rajasthan	13,857	13,801	-56	-0.4	7,799	7,753	-46	-0.6
Uttar Pradesh	24,290	20,770	-3,520	-14.5	12,725	12,115	-610	-4.8
Uttarakhand	2,993	2,903	-90	-3.0	1,760	1,709	-51	-2.9
Northern Region	79,406	74,466	-4,940	-6.2	42,620	40,738	-1,882	-4.4
Chhattisgarh	5,016	4,946	-70	-1.4	3,365	3,320	-45	-1.3
Gujarat	23,772	23,771	-1	0.0	11,814	11,772	-42	-0.4
Madhya Pradesh	12,104	12,095	-9	-0.1	7,589	7,589	0	0.0
Maharashtra	33,345	32,673	-672	-2.0	17,381	16,670	-711	-4.1
Daman & Diu	548	548	0	0.0	316	291	-25	-7.9
Dadar Nagar Haveli	1,271	1,270	-1	-0.1	621	621	0	0.0
Goa	892	884	-8	-0.9	493	472	-21	-4.3
Western Region	76,948	76,187	-761	-1.0	38,054	37,361	-693	-1.8
Andhra Pradesh	25,232	21,490	-3,742	-14.8	14,072	11,410	-2,662	-18.9
Karnataka	16,215	13,828	-2,387	-14.7	9,934	8,103	-1,831	-18.4
Kerala	5,450	5,108	-342	-6.3	3,538	3,085	-453	-12.8
Tamil Nadu	24,734	22,129	-2,605	-10.5	13,380	11,763	-1,617	-12.1
Pondicherry	628	621	-7	-1.1	342	332	-10	-2.9
Lakshadweep	12	12	0	0	9	9	0	0
Southern Region	72,263	63,180	-9,083	-12.6	39,015	32,507	-6,508	-16.7
Bihar	3,706	3,460	-246	-6.6	2,329	1,898	-431	-18.5
DVC	4,528	4,507	-21	-0.5	2,745	2,745	0	0.0
Jharkhand	1,691	1,630	-61	-3.6	1,111	1,069	-42	-3.8
Orissa	6,321	6,226	-95	-1.5	3,727	3,722	-5	-0.1
West Bengal	11,228	11,189	-39	-0.3	7,178	7,134	-44	-0.6
Sikkim	103	103	0	0.0	80	80	0	0.0
Andaman- Nicobar	60	45	-15	-25	40	32	-8	-20
Eastern Region	27,577	27,115	-462	-1.7	15,642	15,110	-532	-3.4
Arunachal Pradesh	119	113	-6	-5.0	111	106	-5	-4.5
Assam	1,818	1,658	-160	-8.8	1,257	1,118	-139	-11.1
Manipur	128	120	-8	-6.3	122	116	-6	-4.9
Meghalaya	416	368	-48	-11.5	290	286	-4	-1.4
Mizoram	102	98	-4	-3.9	70	68	-2	-2.9
Nagaland	127	123	-4	-3.1	102	100	-2	-2.0
Tripura	277	255	-22	-7.9	225	220	-5	-2.2
North-Eastern Region	2,987	2,735	-252	-8.4	2,101	1,900	-201	-9.6
All India	259,181	243,683	-15,498	-6.0	135,561	126,964	-8,597	-6.3

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.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.871
ANSWERED ON 08.08.2013

JOINT VENTURE OF NTPC WITH SRI LANKA

871. SHRI KALIKESH N. SINGH DEO:

Will the Minister of POWER
be pleased to state:

- (a) the details of the progress made regarding setting up of Joint Venture power project between the National Thermal Power Corporation Limited (NTPC) and the Ceylon Electricity Board of Sri Lanka;
- (b) the total production capacity of the said power project and the manner in which the power produced from the said project will be utilised;
- (c) whether the recent political developments will have any impact on the progress of the project; and
- (d) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : The progress made with regard to setting up of joint venture power project between NTPC and Ceylon Electricity Board (CEB) of Sri Lanka is detailed below:

- A Joint Venture company named Trincomalee Power Company Limited (TPCL) has been incorporated in Colombo on 26.10.2011, with 50:50 equity participation from NTPC and Ceylon Electricity Board (CEB) of Sri Lanka, for development of a 2x250 MW coal based power project in Trincomalee, Sri Lanka, subject to necessary approvals.
- Feasibility study for the proposed project has been completed and is under approval in Sri Lanka.

- Land for the project has been identified by the Govt. of Sri Lanka for leasing to the JV company.
- Project implementation may commence upon signing of Power Purchase Agreement and Implementation Agreement between TPCL and CEB and Government of Sri Lanka respectively.

(b) : Total production capacity of the said power project is 500 MW (2x250 MW). Entire power produced from the project shall be purchased by CEB under the Power Purchase Agreement.

(c) & (d) : In this regard Ministry of Power has nothing to comment.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.889
ANSWERED ON 08.08.2013

SUPPLY OF COAL TO POWER PLANTS

889. SHRI MODUGULA VENUGOPALA REDDY:

Will the Minister of POWER
be pleased to state:

- (a) whether there has been shortage of coal supply to various thermal power plants of the country during the year 2012-13;
- (b) if so, the details of thermal power plants affected as a result thereof along with the demand and supply position of coal in various thermal power plants in the country during the said period, plant and State-wise;
- (c) whether the Government is facing any difficulty in materializing the targets fixed for the import of coal to meet the demand of thermal power plants during the year 2013-14;
- (d) if so, the details thereof along with the quantity of coal imported so far; and
- (e) the steps taken or proposed to be taken by the Government to meet the shortage of coal in various thermal power plants of the country?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Yes, Madam.

The plant-wise and State-wise details of affected thermal power plants having loss of generation due to shortage of coal along with the demand and supply position of coal during 2012-13 as reported by power utilities are enclosed at Annex.

(c) & (d) : The materialization of the target fixed for the import of coal to meet the demand of thermal power plant during the year 2013-14 (upto June, 2013) was 112%. Power utilities had imported 22.95 Million Tonne (MT) as against the pro-rata target of 20.5 MT.

(e) : In order to ensure adequate availability of coal, following steps have been taken/ proposed to be taken:

- (i) The Cabinet Committee of Economic Affairs (CCEA) in its meeting held on 21st June, 2013 has issued directive to Ministry of Coal/Coal India Limited to sign FSAs for a total capacity of 78000 MW, including tapering linkage which are likely to be commissioned by March, 2015.
- (ii) In order to bridge shortfall in availability of domestic coal , Power Utilities have been advised to import 50 Million Tonne (MT) coal for the year 2013-14.
- (iii) Ministry of Coal/ Coal India Ltd. being insisted upon to enhance production of domestic coal in the country along with associated development of adequate Rail/ Port/ Road infrastructure along with bridges etc. to facilitate evacuation / transportation of coal.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 889 ANSWERED IN THE LOK SABHA ON 08.08.2013.

State wise / Station wise Coal Supply Position & Generation loss due to shortage of coal during the year 2012-13

S. No	State/Power Stations	Capacity	Coal Requirement	Total Receipt	Generation Loss
		(MW)	(in thousand tonnes)		(Million Unit)
1	HARYANA				
	Mahatma Gandhi	1320	5904	2358	1562
	Total (HARYANA)	1320	5904	2358	1562
2	UTTAR PRADESH				
	Rihand STPS	2500	12480	11128	159.0
	Dadri	1820	9198	8362	169.0
	Unchahar	1050	5802	6203	18.0
	Rosa	1200	6075	4452	611.9
	Anpara C		5154	2201	1441.1
	Total (UP)	6570	38709	32346	2399
3	Rajasthan				
	Chabra	500	2502	2086	222.8
4	CHHATTISGARH				
	Sipat	2980	12000	11168	1629.0
	Korba STPS	2600	13002	15204	24.0
	Bhilai	500	2502	2673	18.3
	DSPM	500	2802	2521	37.8
	Total (CHATTISGARH)	6580	30306	31566	1709.1
5	MADHYA PRADESH				
	Satpura	1143	6630	5706	27.0
	Amarkantak	450	1758	2135	5.1
	Vindhyachal TPS	3760	19479	19086	692.00
	Total (MP)	5353	27867	26927	724.10
6	MAHARASTRA				
	Parli	1130	6000	3620	460.4
	Chandrapur	2340	12022	11812	59.1
	Khaperkheda	1340	7227	6586	672.6
	Total (MAHARASTRA)	4810			1192.1
7	KARNATKA				
	Bellary	1000	4292	2904	918.0
	Total(KARNATKA)	1000	4292	2904	918.0
8	ANDHRA PRADESH				
	Ramagundam STPS	2600	13355	13318	5.0
	Simhdari	2000	9081	9149	645.0
	Total(A.P.)	4600	22436	22467	650
9	BIHAR				
	Kahalgoan STPS	2340	12678	13496	232.0
	Total(BIHAR)	2340	12678	13496	232
10	ORISSA				
	Talcher STPS	3000	17602	17232	1228.0
	Total(ORISSA)	3000	17602	17232	1228
11	WEST BENGAL				
	Sagardighi	600	2532	2600	29.0
	Mejia TPS	2340	8387	8654	3122
	Farakka STPS	2100	10998	9158	1066
	Total (WEST BENGAL)	5040	21917	20412	4217.00
	Grand Total	41113	184213	171794	15054

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.904
ANSWERED ON 08.08.2013

AVAILABILITY OF ELECTRICITY

†904. SHRIMATI PUTUL KUMARI:
SHRIMATI SUSMITA BAURI:

Will the Minister of POWER
be pleased to state:

- (a) the details of the number of people in the country who do not have access to electricity at present, State/UT-wise;
- (b) the details of the rural areas in various States of country which does not have access to electricity and the reasons therefor;
- (c) the funds allocated and spent therefrom under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) during each of the last three years and the current year, State/UT-wise;
- (d) whether repair and maintenance work of electrical system is carried out regularly and satisfactorily in the rural areas which have been electrified; and
- (e) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : As per 65th Round of Survey conducted by National Sample Survey Organization (NSSO) for 2008-09, at the all-India level, about 75 per cent households had electricity for domestic use. Only 66 per cent households in rural areas and 96 per cent in urban areas had this facility. Proportion (per 1000) of households with electricity for domestic use for each State/UT is at Annex-I.

The Government of India launched 'Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) - Programme for creation of Rural Electricity Infrastructure & Household Electrification, in April 2005 for providing access to electricity to rural households and release of free electricity connections to BPL households in the country. Under RGGVY, 648 projects (235 projects during X Plan, 341 projects during XI Plan and 72 projects during Phase-II of RGGVY) have been sanctioned covering electrification of 1,12,975 un/de-electrified villages (UEV), intensive electrification of 3,88,740 partially electrified villages (PEV) and release of free electricity connections to 2.77 crore BPL households in the country. Cumulatively, as on 30.06.2013, the electrification works in 1,07,415 UE/DE villages and 2,98,211 PE villages have been completed and free electricity connections to 2.09 crore BPL households have been released. The State wise coverage and achievement under RGGVY is at Annex-II.

(c) : There is no upfront allocation of funds for any State/district under RGGVY. Funds are released against sanctioned projects in instalments based on the utilization of amount in the previous installment(s) as prescribed and fulfillment of other conditionalities. However, subsidy disbursed by REC during the last three years and current year, is at Annex-III.

(d) & (e) : RGGVY envisages providing access to electricity to rural households and release of free electricity connections to BPL households in the country. Once the completed infrastructure in the village is handed over to the State Power Utility (SPU), it is the responsibility of SPU to maintain the infrastructure created under RGGVY including replacement / repair of equipments.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 904 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Statement 3.13.1: Proportion (per 1000) of households with electricity for domestic use for each state/U.T.			
State/U.T./all-India	rural	urban	rural+ urban
(1)	(2)	(3)	(4)
Andhra Pradesh	932	975	945
Arunachal Pradesh	779	985	823
Assam	402	946	466
Bihar	245	794	305
Chhattisgarh	811	967	840
Delhi	960	986	984
Goa	995	973	984
Gujarat	897	990	934
Haryana	934	983	950
Himachal Pradesh	986	994	987
Jammu & Kashmir	959	975	963
Jharkhand	430	939	511
Karnataka	941	979	955
Kerala	927	979	941
Madhya Pradesh	813	969	851
Maharashtra	819	985	893
Manipur	868	995	905
Meghalaya	698	993	755
Mizoram	819	998	899
Nagaland	990	1000	993
Orissa	449	901	521
Punjab	965	993	976
Rajasthan	638	970	726
Sikkim	958	994	964
Tamil Nadu	926	978	950
Tripura	661	953	715
Uttarakhand	855	986	884
Uttar Pradesh	376	898	490
West Bengal	495	933	608
A & N Islands	845	985	891
Chandigarh	1000	985	987
Dadra & Nagar Haveli	1000	1000	1000
Daman & Diu	1000	974	991
Lakshadweep	1000	1000	1000
Puducherry	952	993	981
All-India	660	961	750

Source : NSS Report No. 535: Housing Condition and Amenities in India: July, 2008-June, 2009

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 904 ANSWERED IN THE LOK SABHA ON 08.08.2013.

State wise coverage & achievement of un-electrified villages, partially electrified villages and release of free electricity connection to BPL households under RGGVY

As on 30.06.2013

Sl. No.	State	Un-electrified Villages		Partially Electrified Villages		BPL connections	
		Coverage	Achievement	Coverage	Achievement	Coverage	Achievement
1	Andhra Pradesh*	0	0	26628	26570	2766573	2766603
2	Arunachal Pradesh	2081	1795	1526	1094	53337	30797
3	Assam	8230	8047	12907	12385	1227824	976742
4	Bihar	24894	22807	18717	5176	5551558	2374825
5	Chhattisgarh	1736	1107	16098	12813	1220281	996652
6	Gujarat*	0	0	16228	15806	832933	832933
7	Haryana*	0	0	6593	4676	250409	194461
8	Himachal Pradesh	95	83	12734	10534	17215	15376
9	Jammu & Kashmir	234	183	3247	2895	79991	57395
10	Jharkhand	18912	18105	6359	5739	1469830	1298825
11	Karnataka	62	62	25271	24680	915607	861390
12	Kerala*	0	0	1272	181	117464	52970
13	Madhya Pradesh	889	601	49359	25008	1895189	997171
14	Maharashtra*	0	0	41921	36713	1217315	1192471
15	Manipur	882	616	1378	574	107369	29554
16	Meghalaya	1866	1678	3239	2341	109696	89045
17	Mizoram	137	94	570	346	30917	15144
18	Nagaland	105	88	1167	1069	72861	38732
19	Odisha	14722	14391	29324	25163	3047561	2836707
20	Punjab*	0	0	11840	5295	168860	80404
21	Rajasthan	4238	4144	34401	33308	1432261	1151402
22	Sikkim	25	25	413	383	12108	9832
23	Tamil Nadu*	0	0	10402	9673	525571	501202
24	Tripura	148	143	658	620	117163	100495
25	Uttar Pradesh	28006	27750	22973	2982	1988663	1045022
26	Uttarakhand	1511	1511	9263	9221	269560	234593
27	West Bengal	4202	4185	24252	22966	2282444	2169045
	Total	112975	107415	388740	298211	27780560	20949788

*In the States of Andhra Pradesh, Gujarat, Haryana, Kerala, Maharashtra, Punjab and Tamil Nadu, no un-electrified village was proposed in the DPRs by these States. However, intensive electrification of already electrified villages are being undertaken in these States.

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 904 ANSWERED IN THE LOK SABHA ON 08.08.2013.

State-wise subsidy disbursed by REC under RGGVY during the last three years and current year.

As on 30.06.2013 (Rs. Lakh)

Sl. No.	Name of State	2010-11	2011-12	2012-13	2013-14	Total Subsidy disbursed by REC. (includes subsidy disbursed prior to 2010-11).
1	Andhra Pradesh	14190.41	2569.71	1273.43		72286.00
2	Arunachal Pradesh	16554.19	4001.17	8850.39	493.54	76951.39
3	Assam	62865.48	49135.85	5047.33		217059.13
4	Bihar	52005.15	26005.86	2106.00		349681.47
5	Chhattisgarh	16366.91	11982.29	4365.00		85945.44
6	Gujarat	7206.83	2710.28	501.04		26291.85
7	Haryana	1840.16	1915.00			15894.10
8	Himachal Pradesh	5382.54	1910.24			26136.20
9	Jammu & Kashmir	6057.02	6840.67	5138.09	311.61	71777.96
10	Jharkhand	14461.77	11155.65	7287.27		275653.83
11	Karnataka	5584.81	4315.77	4535.10		69548.40
12	Kerala	2888.05		5009.55		10879.92
13	Madhya Pradesh	25578.56	38429.38	16833.39		158948.14
14	Maharashtra	14730.85	4943.22	1036.39		52741.43
15	Manipur	8596.62	7148.07			26649.40
16	Meghalaya	7782.86	9406.00	3000.50	1813.12	36573.25
17	Mizoram	7028.22				21426.46
18	Nagaland	5536.41	2548.82	1528.02		20735.23
19	Odisha	54297.89	36033.14	7793.55		298320.60
20	Punjab					5444.02
21	Rajasthan	7430.40	20011.07	2720.22		99208.94
22	Sikkim	3918.67	3674.24			15559.01
23	Tamil Nadu	3865.38	3631.42	448.03		28966.38
24	Tripura	2925.77	4828.61	1060.35		15836.81
25	Uttar Pradesh	6832.10	8595.14	9368.27		312625.91
26	Uttarakhand	971.22		1669.09		61759.08
27	West Bengal	44888.68	15430.74	768.48		205295.20
	Grand Total	399786.94	277222.34	90339.48	2618.27	2658195.57

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.916
ANSWERED ON 08.08.2013

BURNT TRANSFORMERS

†916. DR. RAGHUVANSH PRASAD SINGH:

Will the Minister of POWER
be pleased to state:

- (a) the details of the transformers installed under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) in Bihar till date, area-wise;
- (b) whether 8000 of such small transformers of 16, 25 and 40 KVA installed under the Scheme are lying burnt for several years and the people in rural areas are facing power block-out despite the electrification done there;
- (c) if so, the details thereof and the reasons therefor;
- (d) whether proposals for installation of 63 or 100 KVA transformers in place of these burnt transformers have been received from the State Government; and
- (e) if so, the details thereof along with the status of their approval and the action taken by the Union Government in this regard?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : As reported by Bihar State Power Utility, 45,459 distribution transformers have been installed in Bihar under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) as on 01.07.2013. The details of distribution transformers installed, Distribution company-wise, are as under:

Distribution Company	10 KVA	16 KVA	25 KVA	40 KVA	Total
North Bihar Power Distribution Company Ltd. (NBPDCCL)	831	12596	12576	154	26157
South Bihar Power Distribution Company Ltd. (SBPDCL)	0	16882	2420	0	19302
Total	831	29478	14996	154	45459

(b) : As reported by State Power Utility, there are 9046 small transformers of 10, 16, 25 and 40 KVA capacity which got burnt in phases after installation.

(c) : The details of 9046 burnt distribution transformers are as under:

Distribution Company	10 KVA	16 KVA	25 KVA	40 KVA	Total
NBPDCL	65	2208	2441	49	4763
SBPDCL	0	3389	894	0	4283
Total	65	5597	3335	49	9046

The main reasons behind burning/ failure of distribution transformers are internal fault, overloading, tampering of protective devices and theft. Once the village has been energized and handed over to concerned State Power Utility, it is the responsibility of State Power Utility to repair / replace the burnt transformers and maintain the supply of electricity.

(d) & (e) : No such proposal has been submitted by Bihar State Power (Holding) Company Ltd., Patna

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.920
ANSWERED ON 08.08.2013

PROJECTS UNDER RGGVY

†920. SHRI JAYWANTRAO GANGARAM AWALE:

Will the Minister of POWER
be pleased to state:

- (a) the details of the actual execution of various projects under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) in Madhya Pradesh and the extent of rural electrification carried out under the same; and
- (b) the number of rural families to which power is proposed to be made available under the said Scheme in Madhya Pradesh during the next year?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), 32 projects (8 projects in X Plan and 24 projects in XI Plan) were sanctioned in Madhya Pradesh covering electrification of 706 un/de-electrified villages (UEV), intensive electrification of 33,724 partially electrified villages (PEV) and release of free electricity connections to 13,98,475 Below Poverty Line (BPL) households. Cumulatively, as on 30.06.2013, the electrification works in 597 UE villages and 24,744 PE villages have been completed and free electricity connections to 9,76,250 BPL households have been released under RGGVY. The district-wise coverage and achievement of these 32 projects are at Annex-I.

In addition, 20 projects were sanctioned in Madhya Pradesh under Phase-II of RGGVY during 2011-12, covering electrification of 183 UE villages, intensive electrification of 15,635 PE villages and release of free electricity connections to 4,96,714 BPL households. Cumulatively, as on 30.06.2013, the electrification works in 4 UE villages and 264 PE villages have been completed and free electricity connections to 20,921 BPL households have been released under Phase-II of RGGVY. The scheduled completion time is 24 months from the date of award by the respective Implementing Agency. The district-wise coverage and achievement of these 20 projects are at Annex-II.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 920 ANSWERED IN THE LOK SABHA ON 08.08.2013.

District-wise progress under RGGVY in Madhya Pradesh							
		Coverage			Cumulative Achievement (as on 30.06.2013)		
Madhya Pradesh X Plan		UEV	PEV	BPL	UEV	PEV	BPL
1	Ashok Nagar	72	746	22542	72	746	22542
2	Guna	0	1241	16884	0	1241	16884
3	Chindwara	3	1896	40012	2	1687	37547
4	Dhamoh		1123	63319	0	1097	55644
5	Jabalpur	13	1367	62330	13	1365	48804
6	Seoni	23	1559	60722	23	1507	58823
7	Indore		625	24625	0	625	24428
8	Ujjain		1096	26332	0	1096	26189
BPL released under Kutir Jyoti Scheme				84			
Total		111	9653	316850	110	9364	290861
Madhya Pradesh XI Plan							
1	Betul	0	1249	45513	0	933	45268
2	Datia	0	584	14452		284	14452
3	Harda	12	471	15363	11	276	12061
4	Morena	163	624	35444	142	137	17715
5	Sheopur	2	473	10942	2	142	10942
6	Shivpuri	4	1306	38705	4	339	23223
7	Annupur	3	419	16552	3	419	16552
8	Balaghat	0	1196	106350		664	23619
9	Chhatarpur	24	512	37034	24	404	19950
10	Dindori	0	844	23840	0	641	23890
11	Katni	11	849	73191	11	736	59159
12	Mandla	15	1152	42250	15	873	22530
13	Narsinghpur	0	1033	61175		754	31780
14	Panna	17	848	37448	16	172	11525
15	Rewa	200	2211	56063	118	493	22298
16	Sagar	74	1779	67594	71	1231	45321
17	Satna	38	1399	43989	38	1399	43989
18	Shahdol	6	555	48537	6	333	18926
19	Sidhi	8	1391	77861	8	1288	53890
20	Tikamgarh		864	43733		564	17957
21	Umaria	4	562	27871	4	414	27577
22	Dhar	0	1457	60188		1143	48388
23	Jhabua	14	1242	57360	14	945	44763
24	Ratlam	0	1051	36199	0	796	29614
BPL released under Kutir Jyoti Scheme				3971			
Total		595	24071	1081625	487	15380	685389
Grand Total (X & XI Plan)		706	33724	1398475	597	24744	976250

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 920 ANSWERED IN THE LOK SABHA ON 08.08.2013.

Progress of Projects sanctioned during 2011-12 under Phase-II of RGGVY

Sl. No	Name of the district	Coverage			Cumulative Achievement (30-06-2013)		
		UE/DE Villages	PE Villages	BPL HHs	UE/DE Village	PEV	BPL H/H
1	Bhind	5	884	35509			2763
2	Bhopal		499	15989			
3	Gwalior		583	20067		74	963
4	Hoshangabad		896	28649			
5	Raisen	3	1376	29389			80
6	Rajgarh	6	1671	51418			6196
7	Sehore	2	1011	16600			
8	Vidisha	19	1501	33972			1534
9	Barwani		647	21975		13	
10	Burhanpur		260	26213	1	55	940
11	Dewas		1055	27156		21	2612
12	Khandwa		510	21568			
13	Khargone	6	1169	44471	3	6	729
14	Mandsaur		906	20580		37	614
15	Neemuch		451	8558		35	904
16	Shajapur		1068	37935		23	3586
17	Balaghat	115		3648			
18	Sidhi	5	296	13776			
19	Chhatarpur	16	526	30547			
20	Satna	6	326	8694			
Total Madhya Pradesh		183	15635	496714	4	264	20921
