

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.241
ANSWERED ON 14.03.2013

POWER TARIFFS

†*241. SHRI ANANTKUMAR HEGDE:
SHRI ARJUN RAY:

Will the Minister of POWER
be pleased to state:

- (a) the details of the power tariffs charged and the profits earned by the thermal and hydro power generating companies in the public and private sectors during each of the last three years and the current year, company-wise;
- (b) the prices at which power is being sold by these companies to big consumers;
- (c) whether these power generating companies have increased the power tariffs more than two folds over the years;
- (d) if so, the details thereof and the reasons therefor; and
- (e) the mechanism put in place by the Government to regulate power tariffs?

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. 241 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013 REGARDING POWER TARIFFS.

(a) & (b) : The tariffs of electricity generating units supplying electricity to more than one State are regulated by the Central Electricity Regulatory Commission (CERC) as per provisions of the Electricity Act, 2003 and policies and regulations made thereunder. The details, company-wise, of the power tariffs as determined by CERC for the public and private sector generating units regulated by it for sale to distribution licensees for the period 2009-10 to 2012-13 are given at Annex-I. The tariffs of electricity generating units supplying electricity within one State are regulated by the respective State Electricity Regulatory Commission (SERCs) and Appropriate Government in such cases is the State Government.

A statement indicating the profits of the central public sector companies as reported by them is at Annex-II. The data related to profits of the private sector companies is not kept by the Ministry of Power.

(c) & (d): Based on the available information, the unit-wise tariff for public and private sector generating companies has not increased two fold in the last three years except for gas based plants at Auraiya and Faridabad and the Hydro projects at Salal due to increase in gas prices and levy of water cess in J&K since 2010-11 respectively.

(e) : As per the provisions of the Electricity Act, 2003, power tariff is not regulated by either the Central or State Governments. The tariff at which power is sold by power generating companies to distribution licensee is determined under the Electricity Act, 2003 and the policies made thereunder.

ANNEX REFERRED TO IN PARTs (a) & (b) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 241 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013 REGARDING POWER TARIFFS.

Details of the power tariffs as determined by CERC and charged by the public and private sector generating units regulated by it for sale to distribution licensees for the period 2009-10 to 2012-13 are as under-

Sl. No.	Name of the Company	Year			
		2009-10	2010-11	2011-12	2012-13
A.	Public sector generating companies				
1.	NTPC				
	Coal Based Station				
	Singrauli St-I Ph- I	1.48	1.81	1.82	1.66
	Singrauli St-I Ph II	1.48	1.81	1.82	1.66
	Singrauli St-II	1.48	1.81	1.82	1.66
	Rihand - I	1.83	2.10	2.28	2.03
	Rihand - II	2.06	2.24	2.36	2.06
	Rihand - III				3.52
	Badarpur	3.30	3.91	4.28	4.62
	Unchahar - I	2.47	2.77	3.33	3.37
	Unchahar - II	2.58	2.92	3.51	3.61
	Unchahar - III	2.97	3.30	3.81	3.85
	Dadri - I	2.93	3.31	3.98	3.94
	Dadri - II	3.96	3.93	4.25	4.52
	Tanda	3.01	3.15	4.07	3.45
	Farakka Ph-I	2.81	3.60	4.21	3.59
	Farakka Ph-II	2.81	3.55	4.21	3.59
	Farakka Ph-III				4.50
	Kahalgaon - I	2.71	3.01	3.77	3.18
	Kahalgaon - II	2.91	3.24	3.84	3.50
	TSTPS - I	1.80	2.35	2.94	2.41
	TSTPS - II	1.80	2.34	2.84	2.34
	TTPS Ph - I	1.71	1.71	1.80	1.91
	TTPS Ph - II	1.71	1.71	1.80	1.91
	Korba Ph - I	1.08	1.23	1.36	1.60
	Korba Ph - II	1.08	1.23	1.36	1.60
	Korba - III		2.65	2.38	2.48
	Sipat - I			2.49	2.88
	Sipat - II	1.96	2.01	2.18	2.59
	Vindhyachal-I	1.83	2.17	2.38	2.22
	Vindhyachal-II	1.90	2.19	2.36	2.22
	Vindhyachal-III	2.22	2.52	2.68	2.55
	Ramagundam - I & II (Ph I)	1.87	2.01	2.15	2.17
	Ramagundam - I & II (Ph I)	1.87	2.01	2.15	2.17
	Ramagundam - III	2.10	2.47	2.74	3.01
	Simahdri - I	2.38	2.60	3.20	2.94
	Simahdri - II			3.78	3.64

Sl. No.	Name of the Company	Year			
		2009-10	2010-11	2011-12	2012-13
	Gas based station				
	Anta	3.19	3.82	4.33	4.80
	Auraiya	2.99	3.47	4.46	5.98
	Dadri(Gas)	3.10	3.47	4.19	5.08
	Faridabad	2.71	3.27	4.31	5.36
	Kayamkulam	7.61	9.24	14.31	12.90
	Kawas	3.42	3.30	3.83	3.73
	Gandhar	2.35	3.39	3.83	3.78
2.	NHPC				
	Dhauliganga	3.15	3.18	3.30	2.84
	Tanakpur	2.08	2.15	2.23	2.21
	Sewa-II		4.67	4.87	4.54
	Dulhasti	6.85	6.77	7.21	6.71
	Loktak	2.31	2.45	2.60	2.66
	Bairasiul	1.34	1.39	1.45	1.47
	Uri	2.32	1.88	2.22	2.06
	Salal	0.93	1.29*	2.20*	2.16
	Chamera-I	1.97	2.00	2.20	1.91
	Chamera-II	3.18	3.13	2.94	2.72
	Rangit	3.42	3.46	3.51	2.75
	Teesta-V(Prov)	2.51	2.51	2.55	2.19
	Chamera-III (Prov)				3.93
	* with effect from 11.11.2010, water cess @ Rs. 1.21 per unit was levied in J&K.				
3.	THDC				
	Tehri HPP	7.39	6.08	4.65	5.64
	Koteshwar HEP			8.12	5.4
4.	NEEPCO Ltd.				
	Kopili	0.92	0.99	0.87	1.15
	Khandong	1.58	1.53	1.96	2.55
	Kopili II	1.71	1.53	1.84	1.80
	Ranganadi HEP	3.43	2.46	3.14	2.67
	Doyang HEP	4.52	4.37	4.99	3.97
	Assam GBPP	2.52	3.16	2.87	3.24
	Agartala GTP	2.35	3.08	3.19	3.52
5.	DVC				
	BTPS	2.36	2.66	2.81	3.08
	CTPS	2.56	2.86	3.35	3.70
	DTPS	2.89	3.41	4.23	4.27
	MTPS (1 to 3)	2.86	3.16	3.67	3.77
	MTPS (4)	3.28	3.58	4.08	4.15
	Hydel (Total)	2.53	2.72	3.06	3.19
6.	SJVNL	2.90	2.92	2.89	3.02
7.	NLC (Neyveli Lignite Corporation Ltd)				
	TPS-I	2.62	2.83	2.99	3.18
	TPS-I (Expn.)	3.07	3.11	3.15	3.12
	TPS-II Stage-I	2.27	2.37	2.48	2.54
	TPS-II Stage-II	2.30	2.40	2.50	2.54
	Barsingsar			3.03	3.10

Sl. No.	Name of the Company	Year			
		2009-10	2010-11	2011-12	2012-13
B. Joint Venture Company					
1.	NHDC Ltd. (A JV of NHPC Ltd. & Govt. of MP)				
	Indira Sagar	2.91	2.69	2.02	2.34
	Omkareshwar	3.67	3.42	2.96	2.87
2.	Aravali Power Co. (APCPL), Jhajjar (JV of NTPC, Govt. of Delhi & Haryana)			5.52	5.02
3.	NTPC SAIL Power Co. Ltd. (NSPCL), Bhilai	2.96	3.00	3.85	4.24
4.	Ratnagiri Gas & Power (RGPPL) (JV of NTPC, GAIL, Govt. of Maharashtra and Banks)	4.71	3.80	3.76	4.31
C. Private sector Company					
1.	Torrent Power Ltd -Sugen	3.64	3.33	3.59	5.26
2.	Maithon Power Ltd			3.58	3.52
3.	Udupi Power Corporation Ltd		2.08	2.53	2.78

Note:- Blank spaces indicate that plants were commissioned after that period.

ANNEX-II

ANNEX REFERRED TO IN PARTs (a) & (b) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 241 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013 REGARDING POWER TARIFFS.

The profits of the central public sector companies as reported by them are given as under-

NET PROFIT (Rs. in Crores)

S.No.	Name of companies	Year		
		2009-10	2010-11	2011-12
A.	Public sector generating companies			
1.	NTPC	8728.20	9102.59	9223.73
2.	NHPC	2091.00	2167.00	2772.00
3.	THDC	479.95	600.48	703.83
4.	NEEPCO	289.38	263.57	219.12
5.	DVC	299.89	(120.23)	(858.07)
6.	SJVNL	972.74	912.13	1068.68
7.	NLC (Neyveli Lignite Corporation Ltd)	1247.46	1298.33	1411.33
B.	Joint Venture			
1.	NHDC Ltd. (A JV of NHPC Ltd. Govt of MP)	212.30	304.13	646.90
2.	APCPL, Jhajjar		-37.64	34.15
3.	NSPCL, Bhilai	83.93	191.23	194.23
4.	RGPPL	49.00	505.00	1089.00 (including tariff arrears of Rs. 776 crores for 2007-09)

Note: Profit for the financial year 2012-13 have not been finalized.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.248
ANSWERED ON 14.03.2013

DEMAND OF POWER

*248. SHRIMATI BOTCHA JHANSHI LAKSHMI:
SHRI HANSRAJ G. AHIR:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government has estimated the demand of power in the country during the 12th Five Year Plan period;
- (b) if so, the details thereof;
- (c) whether a working group has been set up by the Planning Commission to fix targets and devise strategies for power generation during the 12th Five Year Plan period;
- (d) if so, the details thereof along with the recommendations made by the said working group and the steps taken/being taken by the Government for implementation of these recommendations; and
- (e) the steps taken/being taken/proposed to be taken by the Government to overcome power shortage during the said plan period?

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. 248 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013 REGARDING DEMAND OF POWER.

(a) & (b): Yes, Madam. As per the 18th Electric Power Survey (EPS), conducted by the Central Electricity Authority, Electric Energy Requirement (EER) and Annual Peak Electric Load (APEL) of the country for 12th Five Year Plan period are as under:

Sl. No.	Year	EER(MU)	APEL (MW)
1.	2012-13	10,07,694	1,43,967
2.	2013-14	10,84,610	1,56,208
3.	2014-15	11,67,731	1,69,491
4.	2015-16	12,57,589	1,83,902
5.	2016-17	13,54,874	1,99,540

(c) : Yes, Madam.

(d) : Planning Commission had constituted a Working Group on Power under the Chairmanship of Secretary (Power) in 2011 for looking into, inter-alia, targets and strategies etc. for power generation, for the 12th Plan (2012-17).

The recommendations made by the Working Group cover areas of generation, transmission, distribution, energy efficiency and conservation, research and development, legislative and policy issues, human resource development, infrastructure support requirement and financing of the power sector.

The steps taken by the Government to implement the recommendations include, inter-alia, efforts to commission 88537 MW of thermal, hydro and nuclear power generation projects during the 12th Plan period; regular and systematic monitoring of projects to ensure the targeted capacity addition; renovation and modernisation of old power plants to optimize generation from existing capacity; constitution of a Task Force for setting up of peaking and reserve capacity in the country.

(e) : The steps taken by the Government to overcome power shortage for the 12th Plan period include, inter-alia, capacity addition of 88,537 MW and about 30,000 MW from renewable sources.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.256
ANSWERED ON 14.03.2013

OPEN ACCESS POLICY UNDER ELECTRICITY ACT

*256. SHRI KALIKESH N. SINGH DEO:

Will the Minister of POWER
be pleased to state:

- (a) the status of implementation of Open Access Policy envisaged under the Electricity Act, 2003 in the country along with the details of the States which do not allow open access to the consumers whose demand exceeds one mega watt;
- (b) the details of those State Electricity Regulatory Commissions which continue to set the retail energy tariff along with the details of the action taken/being taken by the Government against those State Electricity Regulatory Commissions which have not adhered to the provisions of the Open Access Policy;
- (c) whether the competition generated by the Open Access Policy has led to a reduction in electricity tariff; 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) to (d) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO. 256 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013 REGARDING OPEN ACCESS POLICY UNDER ELECTRICITY ACT.

(a) : Open Access in inter-state transmission envisaged under the Electricity Act, 2003 has been implemented by the Central Commission by specifying the Central Electricity Regulatory Commission (Open Access in Inter-State Transmission) Regulations, 2008 and Central Electricity Regulatory Commission (Grant of Connectivity, Long-term Access and Middle Term Open Access) Regulations, 2009. The responsibility of introduction of open access at intra-state level as per provisions of the Electricity Act vests with the State/Joint Electricity Regulatory Commissions.

(b) : As per information available, State Electricity Regulatory Commissions (SERCs) of Rajasthan, Punjab and Madhya Pradesh have passed orders with specific reference to the question of tariff determination for consumers whose demand exceeds one Mega Watt. For the State Electricity Regulatory Commissions, the Appropriate Governments are the concerned State Governments under the Electricity Act, 2003.

(c) & (d) : Open Access to consumers seeks to introduce competition in the Distribution sector and is expected to result in consumer benefits in a regime of market discovered tariff.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2764
ANSWERED ON 14.03.2013

ALLOCATION OF COAL MINES

2764. SHRI DILIP SINGH JU DEV:

Will the Minister of POWER
be pleased to state:

- (a) whether many power generation companies have been allocated coal mines on the recommendations of his Ministry;
- (b) if so, the details thereof;
- (c) whether some cases of alleged irregularities while recommending the name of some power companies for allocation of coal blocks have come to the notice of the Government;
- (d) if so, the details thereof; and
- (e) the punitive measures 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) : Yes, Madam. Ministry of Power had recommended allocation of coal blocks for Ultra Mega Power Projects as per details at Annex-I. Few coal blocks have been allocated fully/partially by Ministry of Coal based on the recommendation of the Ministry of Power details of which is at Annex-II.

(c) to (e) : As per information received from Ministry of Coal, Central Bureau of Investigation (CBI) has registered Preliminary Enquiry cases regarding alleged irregularities in allocation of coal blocks relating to allocation of coal blocks to private companies during the period 2006-09, relating to allocation of coal blocks to private companies during the period 1993-2004 and relating to allocation of coal blocks to Government companies. 9 FIRs have been lodged by CBI in respect of 9 companies out of which 4 have been allotted blocks for power projects. Further, Ministry of Coal has issued show cause notice on 15.11.2012 to 8 companies against whom FIR has been lodged (in case of one company show cause notice was not issued as the block had already been de-allocated). The reply to show cause notice from 7 companies have been received. A copy each of the replies received has been sent to CBI by Ministry of Coal. The matter is under investigation.

ANNEX-I

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 2764 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

S.No	Name of allocatee	Block allocated
1.	Odisha Integrated Power Ltd.	Meenakshi, Dip Side of Meenakshi & Meenakshi B, Odisha
2.	Sasan Power Ltd.	Moher, Moher-Amlori Extn. & Chhatrasal, Madhya Pradesh
3.	Jharkhand Integrated Power Ltd.	Kerandari B & C Jharkhand
4.	Akaltara Power Ltd.	Pindrakhi & Puta Parogia, Chhattisgarh
5.	Sakhigopal Integrated Power Co. Ltd	Bankhuri Odisha

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 2764 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

Block	Recommended to	Allocated to
Mahan	Essar Power Ltd.	Essar Power Ltd. Hindalco Industries Ltd.
Saharpur Jamarpani	DVC	DVC
Dip side of Manoharpur	OPGC	OPGCL
Naini	GMDC	GMDC/ PIPDICL
Chendipada	UPRVUNL	UPRVUNL / CMDC/ MSPGCL
Chendipada II	MSPGCL	
Parsa East	RRVUNL	RRVUNL
Kanta Basan	RRVUNL	RRVUNL
Ashok Karkata Central	ESSAR Power Ltd.	Essar Power Ltd.
Ganeshpur	Adhunik Thermal Energy Ltd.	Tata Steel Ltd. Adhunik Thermal Energy Ltd.
Rampia	Sterlite Energy Ltd. Vedanta Alumina Ltd.	Sterlite Energy Ltd. GMR Energy Ltd. Arcelor Mittal India Ltd. Lanco Group Ltd. Navbharat Power Pvt. Ltd. Reliance Energy Ltd.
Dip side of Rampia	Monnet Ispat and Energy Ltd. Jindal Photo Ltd. Mittal Steel India Ltd.	
Gaourangdih ABC	Himachal EMTA Power Ltd. JSW Steel Ltd.	Himachal EMTA Power Ltd. JSW Steel Ltd.
Patel East	Jas Infrastructure Capital Pvt. Ltd. Bhushan Power & Steel Ltd.	Bhushan Power & Steel Ltd.
Lohara west and Extension	Adani Power Ltd.	Adani Power Ltd.
Sayang	AES, Chhattisgarh Energy Pvt. Ltd.	AES Chhattisgarh Energy Pvt. Ltd.
Fatehpur East	TRN Energy Pvt. Ltd. R.K.M. Powergen Pvt. Ltd. JLD Yavatmal Energy Ltd. Mahavir Global Coal Ltd.	JLD Yavatmal Energy Ltd. RKM Powergen Pvt. Ltd. Visa Power Ltd. Green Infrastructure Pvt. Ltd. Vandana Vidut Ltd.
Durgapur-II (Sariya) /Taraimar	DB Power Ltd.	DB Power Ltd.
Gare Palma III	GIDC	GIDC

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2773
ANSWERED ON 14.03.2013

GAS BASED POWER PROJECTS

2773. SHRI KUNVARJIBHAI M. BAVALIYA:
SHRIMATI JAYA PRADA:
SHRIMATI DARSHANA JARDOSH:

Will the Minister of POWER
be pleased to state:

- (a) the capacity of the gas based power generation stations in the country along with the requirement of gas to operate them at full load;
- (b) the quantum of indigenous gas and long term contracted Re-classified Liquefied Natural Gas (RLNG) separately available to them for power generation;
- (c) the quantum of gas based generation capacity lying idle in the country due to shortage of gas supply;
- (d) whether the issue of allocation of gas for power plants was discussed during the meeting of Empowered Group of Ministers (EGoMs) recently; and
- (e) if so, the details thereof along with the steps being taken by the Government for utilization of idle capacity of gas based power stations?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : As monitored by CEA, the capacity of gas based power generation stations in the country is around 17721 Mega Watt (MW) (as on 31.01.2013) which used gas as the primary fuel. Details of gas based power projects in the country and their gas requirement at full load [90% Plant Load Factor (PLF)] is given at Annex-I.

(b) : The total gas available for consumption/consumed by gas based power plant as on 31st January, 2013 was 32.57 Million Metric Standard Cubic Meter Per Day (MMSCMD) including long term contracted Re-Gasified Liquefied Natural Gas (RLNG) of 4.82 MMSCMD for power plant.

(c) : Due to reduced gas supply specially from Krishna Godavari (KG)-D6 field, most of the existing gas based power plants in the country are operating at very low (PLF). Some of the power plants dependent only on KG-D6 gas are lying idle at present (as at Annex-II). In addition, many power plants are under advanced stage of construction and awaiting gas allocation for their testing / commissioning / commercial operation. The details of power plants that are presently under construction/commissioned for which gas is yet to be allocated are given at Annex-III.

(d) : The last EGoM meeting on Gas Pricing and Commercial Utilization of Gas was held on 24.02.2012 where the issue of allocation of gas was discussed.

(e) : To utilize idle capacity from gas based power plants, Government is making all out efforts for additional availability of gas to power plants and taking necessary steps to increase domestic production of gas in the country and facilitating import of RLNG in the country.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2773 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

Sl. No.	Name of Power Stations	Installed Capacity (in MW)	Located in State	Gas Requirement at 90% PLF (MMSCMD)
	Existing Stations			
1	Faridabad CCPP	431.59	Haryana	2.07
2	Anta CCPP	419.33	Rajasthan	2.01
3	Auraiya CCPP	663.36	Uttar Pradesh	3.18
4	Dadri CCPP	829.78	Uttar Pradesh	3.98
5	Gandhar CCPP	657.39	Gujarat	3.16
6	Kawas CCPP	656.2	Gujarat	3.15
7	Ratnagiri CCPP	1967	Maharashtra	9.44
8	Kathalguri CCPP	291	Assam	1.4
9	Agartala GT	84	Tripura	0.58
10	I.P.CCPP	270	Delhi	1.3
11	Pragati CCGT-III	1000	Delhi	4.79
12	Pragati CCPP	330.4	Delhi	1.59
13	Dholur CCPP	330	Rajasthan	1.58
14	Ramgarh CCPP	113.8	Rajasthan	1.18
15	Dhuvaran CCPP	218.62	Gujarat	1.05
16	Hazira CCPP Ext.	156.1	Gujarat	0.75
17	Hazira CCPP Ext.	351	Gujarat	1.68
18	Utran CCPP	518	Gujarat	2.49
19	Uran CCPP	672	Maharashtra	3.23
20	Karaikal CCPP	32.5	Puducherry	0.16
21	Kovikalpal CCPP	107	Tamil Nadu	0.51
22	Kuttalam CCPP	100	Tamil Nadu	0
23	Valuthur CCPP	186.2	Tamil Nadu	0.89
24	Lakwa GT	157.2	Assam	1.1
25	Namrup CCPP	95	Assam	0.43
26	Namrup ST	24	Assam	0.14
27	Baramura GT	58.5	Tripura	0.41
28	Rokhia GT	90	Tripura	0.63
29	Vatwa CCPP	100	Gujarat	0.48
30	Trombay CCPP	180	Maharashtra	0.86
31	Rithala CCPP	108	Delhi	0.52
32	Baroda CCPP	160	Gujarat	0.77
33	Essar CCPP	515	Gujarat	2.47
34	Peguhtan CCPP	655	Gujarat	3.14
35	Sugen CCPP	1147.5	Gujarat	5.51
36	Gautami CCPP	464	Andhra Pradesh	2.23
37	GMR Energy Ltd	220	Andhra Pradesh	1.06
38	Godavari CCPP	208	Andhra Pradesh	1
39	Jegurupadu CCPP	455.4	Andhra Pradesh	2.19
40	Konaseema CCPP	445	Andhra Pradesh	2.14
41	Kondapalli Ext. CCPP	366	Andhra Pradesh	1.76
42	Kondapalli CCPP	350	Andhra Pradesh	1.68
43	Peddapuram CCPP	220	Andhra Pradesh	1.06

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44	Vemagiri CCGT	370	Andhra Pradesh	1.78
45	Vijeswaran CCGT	272	Andhra Pradesh	1.31
46	Karuppur CCGT	119.8	Tamil Nadu	0.58
47	P.Nallur CCGT	330.5	Tamil Nadu	1.59
48	Valantarvy CCGT	52.8	Tamil Nadu	0.25
49	DLF Assam GT	24.5	Assam	0.12
50	Sriba Industries	30	Andhra Pradesh	0.14
51	RVK Energy	28	Andhra Pradesh	0.13
52	Silk Road Sugar	35	Andhra Pradesh	0.16
53	LVS Power	55	Andhra Pradesh	0.26
	Grand Total	17721.47		86.07
	MW - Mega Watt			
	PLF - Plant Load Factor			
	MMSCMD - Million Metric Standard Cubic Meter Per Day			
	CCGT - Combined Cycle Gas Turbine			
	GT - Gas Turbine			
	CCGT - Combine Cycle Gas Turbine			
	ST - Steam Turbine			

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 2773
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

A: List of Power Plants which run on KG D6 gas only

Sl. No.	Name of the Project	State	Capacity (in MW)	Availability of KG D6	Total Gas required at 90% PLF (in MMSCMD)
1	Torrent Vatva (AEC) Ahemadabad)	Gujarat	100	0	0.48
2	GEB, Dhuvaran (GSECL) Exp	Gujarat	112	0	0.53
3	GEB, Uttran (GSECL) Exp	Gujarat	374	0	1.79
4	Essar Power		515	0	2.47
5	RGPPL - Dhabhol	Maharashtra	1967	0	9.44
6	Silk Road	Andhra Pradesh	35	0	0.16
7	Tanir Bavi	Andhra Pradesh	220	0	1.05
8	Lanco Kondapalli Power Ltd (Exp)	Andhra Pradesh	366	0	1.75
9	Sriba Industries	Andhra Pradesh	30	0	0.14
10	RVK Energy	Andhra Pradesh	28	0	0.13
11	LVS Power	Andhra Pradesh	55	0	0.26
12	NDPL (Rithala)	Delhi	102	0	0.48
13	Pragati Power II	Delhi	1000	0	4.8
	Total		4904		23.48
	MW- Mega Watt				
	MMSCMD- Million Metric Standard Cubic Meter per day				
	KG D6 - Krishana Godavari D6				
	PLF-Plant Load Factor				

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 2773 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

A: List of gas based projects commissioned but awaiting gas allocation

S.No.	Name of Power Station /Agency	Capacity (MW)	Located in State
	STATE SECTOR		
1	Bawana CCGT	250	Delhi
2	GSEG Hazira CCGT	351	Gujarat
	Sub Total (S.S.)	601	
	Private Sector		
3	Sugen Phase-I Unit -4 M/s Torrent	382.5	Gujarat
	Sub Total (Pvt Sector)	382.5	
	Total (S.S+P.S)	983.5	

B: Gas based projects under advanced stage of construction and awaiting gas allocation

S.No.	Name of Power Station /Agency	Capacity (MW)	Located in State
	STATE SECTOR		
1	Bawana CCGT	500	Delhi
2	Pipavav JV CCGT	702	Gujarat
3.	Dhuvaran Ext (GSECL)	375	Gujarat
	Sub Total (S.S.)	1577	
	Private Sector		
1	Vemagiri exp by M/s GMR Rajamundry Energy Ltd.(GREL)	768	A.P.
2	Lanco Kondapalli Exp (St-III)	770	A.P.
3	Kashipur CCGT (Sravanti Energy P Ltd) I&II	450	Uttarakhand
4	Samalkot Expansion	2400	A.P.
5	CCGT by M/s Panduranga Energy Systems Pvt. Ltd (PSPL)-Ph-I	110	A.P.
7	CCGT by M/s Beta Infratech Private Ltd	225	Uttarakhand
8	CCGT by M/s Gama Infratech Pvt Ltd	225	Uttarakhand
9	Gas Engine at Pashamylaram by Astha Power	35	A.P.
10	Dahej SEZ (Torrent) 3 Modules	1200	Gujarat
11	CCGT by M/s Pioneer Gas Power Ltd	400	Maharashtra
12	CCGT by M/s KPR Chemicals Ltd	225	A.P.
	Sub Total (Private Sector)	6808	
	Sub Total (SS+PS)PROJECTS UNDER CONSTRUCTION	8385	

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2777
ANSWERED ON 14.03.2013

AGREEMENT FOR HYDEL POWER PROJECT

†2777. SHRI KHILADI LAL BAIRWA:

Will the Minister of POWER
be pleased to state:

- (a) whether any agreement has been signed between the Union Government and the State Governments of Punjab, Haryana and Rajasthan regarding share in Hydel Power Projects established in Punjab;
- (b) if so, the details thereof along with the share of various States earmarked in the agreement;
- (c) whether the Union Government proposes to seek the advice of the Supreme Court regarding the share of Hydel Power Projects established in Punjab; 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) to (d) : An agreement was reached between the States of Punjab, Haryana and Rajasthan and Government of India on 10.05.1984 wherein it was agreed that in view of the claims raised by Haryana and Rajasthan for sharing of power in Anandpur Sahib Hydel Project, Mukerian Hydel Project, Thein Dam Project, UBDC Stage-II and Shahpur Kandi Hydel Scheme, the Government of India shall refer the matter to the Supreme Court for its opinion. The opinion of the Hon'ble Supreme Court was to be sought on whether the States of Rajasthan and Haryana are entitled to a share in the power generated from these hydel schemes and in case they are, what would be the share of each State.

However, subsequently in the discussions held between the Chief Ministers of Punjab, Haryana and Rajasthan on 29-30 July, 1992 and 6th August, 1992 a consensus was reached not to refer the matter to the Hon'ble Supreme Court. It was also decided that the States would come to a reasonable agreement through mutual consultations. In order to resolve the issue amicably, a number of formal and informal discussions have taken place. However, no consensus has emerged so far due to the divergent views of the stakeholder States.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2780
ANSWERED ON 14.03.2013

ASSESSMENT BY CEA

†2780. SHRI PRADEEP KUMAR SINGH:

Will the Minister of POWER
be pleased to state:

- (a) whether as per the assessment of the Central Electricity Authority (CEA), additional power generation is expected by a few States after meeting their requirement by the end of the current plan period;
- (b) if so, the details thereof;
- (c) whether adequate distribution network is available to supply additional power in States having power shortage;
- (d) if so, the details thereof; and
- (e) the steps taken by the Government for optimum utilization of additional power in the States facing having power shortage?

A N S W E R

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

(a) & (b) : Central Electricity Authority (CEA) carries out generation planning at the national level to estimate the generation capacity required in the country based on the projected demand for electricity. The assessment of demand for electricity in various States and Union Territories as well as on All India basis is carried out by CEA through Electric Power Survey. The requirement of power in a State is met by generation from its own sources, supply against its share in central generating stations and power procured from Independent Power Producers (IPPs) under Case-1 and Case-2 bids, trading licensees, power exchanges as well as bilateral agreements. While, the demand for power in a State varies from season to season,

month to month, day to day and hour to hour basis, the availability of power in the State also varies depending on the level of generation in the available units and the arrangements made by the State for availing power from various sources. Surplus power, therefore, accrues in some of the States on seasonal basis or for a few days in a month or for certain hours in a day/year, depending upon the requirement and availability of power during the period. The States generally dispose off the surplus power through power exchanges, trading licensees and bilateral agreements.

(c) to (e) : The development of transmission and distribution network within a State falls in the domain of State Transmission Utility (STU); development of inter-regional and inter-State transmission falls in the domain of Central Transmission Utility (CTU). The large expansion in consumption of electricity has to be supported by significant expansion and strengthening of the transmission network. A total of about 1,10,340cKM of transmission lines, 2,70,000 MVA of AC transformer capacity and 19,250 of HVDC systems are estimated as needed during the 12th Plan to make available additional power to the States in the 12th Plan.

The steps initiated by the Government for utilization of the surplus power in the power deficit States inter-alia include (i) synchronous inter-connection of Southern Grid with the NEW 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.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2781
ANSWERED ON 14.03.2013

RELEASE OF FUNDS

†2781. SHRI MAHESHWAR HAZARI:
SHRIMATI SUSHILA SAROJ:
SHRIMATI USHA VERMA:

Will the Minister of POWER
be pleased to state:

(a) whether there is delay in releasing funds to various State Governments under various schemes financed by his Ministry, State-wise particularly for Bihar and Uttar Pradesh;

(b) if so, the details thereof, scheme-wise along with the reasons for delay in releasing funds;

(c) whether the development works under these schemes are getting hampered as a result thereof;

(d) if so, the details thereof; and

(e) the details of funds released under various schemes during each of the last three years, State-wise?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (d) : Following Central Sector Funded Scheme are being implemented by Ministry of Power (MOP) and its Central Public Sector Undertakings (CPSUs) in various States including Bihar and Uttar Pradesh.

(i) Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY)

Under RGGVY, funds are released against sanctioned projects in installments based on the reported utilization of amount of the previous installment(s) and fulfillment of other conditionalities. There is no delay in releasing funds to various State Governments including the State of Bihar and Uttar Pradesh. No development works are getting hampered due to delay in releasing funds under RGGVY.

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

Under (R-APDRP), funds are released to utilities through Power Finance Corporation (PFC), the nodal agency as per the predetermined milestone. There has not been any delay in release of funds to any state power utility including utilities in Bihar and Uttar Pradesh.

(iii) Energy Conservation Activities undertaken by Bureau of Energy Efficiency (BEE)

BEE is implementing various schemes relating to energy efficiency and conservation in various states and there is no delay in respect of funds released for capacity building of State Designated Agencies and contribution to State Energy Conservation Fund (SECF) established in Bihar & Uttar Pradesh States.

(e) : The details of release of funds under RGGVY, State-wise including Bihar and Uttar Pradesh, during last three years, is at Annex-I. The details of financial assistance under R-APDRP, State-wise, is at Annex-II. The details of funds released under Energy Conservation Activities is at Annex-III.

ANNEX-I

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 2781
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

State-wise funds disbursed by REC under RGGVY during last three years

Rs. in crores

Sr. No.	Name of State	During 2009-10	During 2010-11	During 2011-12	Cumulative funds released as on 31.01.2013 (includes funds released prior to year 2009-10)
1	Andhra Pradesh	157.20	154.86	31.48	804.12
2	Arunachal Pradesh	225.27	165.54	40.01	737.76
3	Assam	499.76	698.42	545.27	2413.48
4	Bihar	706.28	571.58	289.72	3886.66
5	Chhattisgarh	333.55	163.67	120.37	846.43
6	Gujarat	94.32	76.80	30.62	286.98
7	Haryana	60.68	21.27	20.97	177.74
8	Himachal Pradesh	122.46	59.90	21.25	290.55
9	J&K	363.92	67.32	75.56	784.15
10	Jharkhand	752.36	161.89	116.53	3065.89
11	Karnataka	67.61	62.92	48.95	741.68
12	Kerala	10.59	31.89	0.00	119.37
13	Madhya Pradesh	416.48	288.27	430.99	1737.33
14	Maharashtra	205.64	162.09	55.00	595.86
15	Manipur	63.17	95.95	80.12	297.18
16	Meghalaya	129.38	86.86	105.05	386.22
17	Mizoram	81.02	78.28	0.00	238.24
18	Nagaland	54.37	61.86	28.14	226.67
19	Orissa	998.60	605.73	390.35	3308.72
20	Punjab	0.00	0.00	0.00	59.90
21	Rajasthan	151.44	83.18	221.51	1108.87
22	Sikkim	44.91	43.62	40.73	172.89
23	Tamil Nadu	119.30	39.12	41.40	317.32
24	Tripura	52.30	33.96	52.38	175.73
25	Uttar Pradesh	192.94	72.45	95.48	3401.01
26	Uttarakhand	102.06	9.70	-0.07	685.90
27	West Bengal	582.91	505.10	168.01	2288.34
	Total	6588.52	4402.23	3049.82	29154.99

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 2781 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

Year-wise Sanctions & Disbursements in R-APDRP

STATE	SANCTIONS CUMULATIVE	DISBURSEMENTS 2009-10	DISBURSEMENTS 2010-11	DISBURSEMENTS 2011-12	DISBURSEMENTS 2012-13	As on 6-Mar-13
						DISBURSEMENTS CUMMULATIVE
Haryana	839.21	7.97	0.00	0.00	0.00	49.68
HP	435.37	24.32	101.25	0.00	29.59	155.16
J&K	1870.15	40.35	5.25	515.45	0.00	561.04
Punjab	1834.94	150.40	0.00	207.41	10.26	368.07
Chandigarh	33.34	0.00	0.00	0.00	0.00	0.00
Rajasthan	2007.31	28.19	252.21	0.00	0.67	371.13
UP	4200.82	190.22	274.76	60.33	302.00	827.31
Uttarakhand	535.00	35.31	0.00	33.59	117.79	189.13
MP	2368.26	122.56	254.24	41.62	38.51	456.93
Gujarat	1363.01	54.07	190.62	0.00	55.99	314.22
Chhattisgarh	873.75	36.74	0.00	0.00	118.85	155.59
Maharashtra	3954.78	50.99	197.09	344.02	27.68	666.11
Goa	110.73	31.47	0.00	0.00	0.00	31.47
AP	1562.21	39.81	124.32	35.05	0.00	310.17
Karnataka	1340.14	117.11	100.83	41.75	0.00	259.68
Kerala	1375.85	64.31	75.51	80.25	30.92	250.99
Tamil Nadu	3878.73	120.76	526.23	4.77	0.00	671.69
Puducherry	27.53	0.00	0.00	4.50	0.00	4.50
Bihar	1371.81	58.37	0.00	0.00	82.53	140.90
Jharkhand	160.60	30.00	0.00	18.18	0.00	48.18
West Bengal	872.54	47.99	82.05	45.87	55.87	231.78
Assam	839.65	51.95	0.00	124.15	75.79	251.89
Arunachal	37.68	0.00	11.30	0.00	0.00	11.30
Nagaland	34.58	0.00	10.37	0.00	0.00	10.37
Manipur	31.55	0.00	9.47	0.00	0.00	9.47
Meghalaya	33.97	0.00	10.19	0.00	0.00	10.19
Mizoram	35.12	0.00	10.54	0.00	0.00	10.54
Sikkim	94.76	7.89	20.54	0.00	0.00	28.43
Tripura	200.28	10.31	0.00	43.07	6.71	60.09
Total	32323.67	1321.08	2256.78	1600.00	953.16	6456.01

Note: 1. The sanctions above include Project Cost approved by R-APDRP Steering Committee for Part-B projects

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 2781 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

The details of funds released under Energy Conservation Activities State wise

Scheme A: Providing financial assistance to the State Designated Agencies for strengthening their institutional capacities and capabilities

Sr. No	Region	No	State	Total fund disbursed (INR Lakhs)
1	East	1	West Bengal	32.4
2		2	Jharkhand	0.0
3		3	Bihar	150.5
4		4	Orissa	367.0
5	North East	1	Arunachal Pradesh	105.6
6		2	Assam	119.7
7		3	Nagaland	184.6
8		4	Mizoram	231.5
9		5	Meghalaya	74.3
10		6	Manipur	0.0
11		7	Tripura	25.9
12		8	Sikkim	15.0
13	North	1	Uttarakhand	117.5
14		2	Haryana	116.5
15		3	Punjab	195.5
16		4	Chandigarh	0.0
17		5	Delhi	42.0
18		6	Himachal Pradesh	5.0
19		7	Rajasthan	231.5
20		8	Uttar Pradesh	8.7
21	South	1	Kerala	205.5
22		2	Andhra Pradesh	227.5
23		3	Tamil Nadu	151.5
24		4	Karnataka	207.5
25		5	Puducherry	148.1
26		6	Andaman & Nicobar	12.0
27		7	Lakshadweep	12.0
28	West	1	Gujarat	0.0
29		2	Maharashtra	300.8
30		3	Chhattisgarh	257.0
31		4	Madhya Pradesh	160.5
32		5	Goa	98.0

Scheme B: Contribution to State Energy Conservation Fund (SECF) by the Bureau of Energy Efficiency

Sr No.	State	Total (INR Lacs)
1	Andhra Pradesh	400.00
2	Rajasthan	400.00
3	Chhattisgarh	400.00
4	Karnataka	400.00
5	Tamil Nadu	200.00
6	Haryana	400.00
7	Uttarakhand	200.00
8	Punjab	400.00
9	Kerala	400.00
10	Gujarat	200.00
11	Nagaland	200.00
12	Arunachal Pradesh	200.00
13	Goa	200.00
14	Mizoram	200.00
15	Tripura	200.00
16	West Bengal	200.00
17	Madhya Pradesh	200.00
18	Himachal Pradesh	400.00
19	Assam	200.00
20	Odisha	400.00
21	Puducherry	200.00
22	Bihar	200.00
23	Jharkhand	200.00
24	Uttar Pradesh	200.00

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2784
ANSWERED ON 14.03.2013

HOUSEHOLDS UNDER RGGVY

2784. SHRI NISHIKANT DUBEY:

Will the Minister of POWER
be pleased to state:

- (a) the number of households provided with electricity connections under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) during the last three years, State-wise especially in Jharkhand;
- (b) the number of households which do not have any electricity connection and are still deprived of the benefits of this scheme, State-wise; and
- (c) the corrective measures 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) : The Government of India launched Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), a flagship scheme, with an objective to provide access to electricity to rural households by creating rural electricity infrastructure and also to provide free electricity connection to Below Poverty Line (BPL) households. The number of free electricity connections released to Below Poverty Line (BPL) households under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), during the last three years, State-wise (including Jharkhand) is at Annex-I.

(b) & (c): Under RGGVY, the coverage of release of free electricity connection under the sanctioned projects is 274.98 lakh BPL households. As on 31.01.2013, electricity connections to 205.15 lakh BPL households have been released. The details of coverage and release of connections to BPL households under RGGVY, State-wise is at Annex-II. Following measures have been taken to expedite completion of projects to provide free connection to remaining BPLs:

- An inter-Ministerial Monitoring Committee chaired by Secretary (Power), Government of India periodically reviews the progress of implementation under RGGVY.
- Ministry of Power and Rural Electrification Corporation (REC), the nodal agency for RGGVY, conduct frequent review meetings with all the stakeholders, the concerned State Governments, State Power Utilities and Implementing Agencies.
- District Electricity Committees have been set up in all the States to monitor the progress of rural electrification works.
- States have also been requested to hold monthly meeting under the Chairmanship of Chief Secretary to resolve the bottlenecks in implementation of RGGVY.

ANNEX-I

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2784
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

State-wise details of release of free electricity connections to BPL households
under RGGVY in the country including Jharkhand during the last three years

Sr. No.	State	2009-10	2010-11	2011-12
1	Andhra Pradesh	566518	258751	98232
2	Arunachal Pradesh	967	9205	11474
3	Assam	189816	352237	232519
4	Bihar	560985	641016	405736
5	Chhattisgarh	145990	196552	481971
6	Gujarat	85931	420126	102134
7	Haryana	69453	90535	10617
8	Himachal Pradesh	148	3637	5901
9	Jammu & Kashmir	14163	8452	13413
10	Jharkhand	555289	359213	111597
11	Karnataka	134949	48861	49604
12	Kerala	6131	1117	0
13	Madhya Pradesh	75477	211816	352976
14	Maharashtra	429026	403387	126317
15	Manipur	1640	4397	19421
16	Meghalaya	17832	12880	30792
17	Mizoram	378	8129	6236
18	Nagaland	4368	13434	10712
19	Odisha	650678	1435007	518324
20	Punjab	19507	28890	5528
21	Rajasthan	208695	255939	85783
22	Sikkim	66	7121	2179
24	Tamil Nadu	383533	115044	4083
23	Tripura	22085	36886	22015
25	Uttar Pradesh	157263	15818	172574
26	Uttarakhand	72382	19596	5288
27	West Bengal	345198	925309	559476
Total		4718468	5883355	3444902

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 2784 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

State wise coverage and release of free electricity connections to BPL households under RGGVY

Sr. No.	State	BPL households		
		Coverage*	Cumulative Achievement (as on 31.01.2013)	Balance
1	Andhra Pradesh	2484665	2783390	0
2	Arunachal Pradesh	40726	24615	16111
3	Assam	1150597	882554	268043
4	Bihar	5658692	2305704	3352988
5	Chhattisgarh	987834	944103	43731
6	Gujarat	742094	827788	0
7	Haryana	257273	194461	62812
8	Himachal Pradesh	13196	14753	0
9	Jammu & Kashmir	81217	51012	30205
10	Jharkhand	1803377	1283770	519607
11	Karnataka	978219	856401	121818
12	Kerala	74571	52993	21578
13	Madhya Pradesh	1817544	942734	874810
14	Maharashtra	1202882	1180284	22598
15	Manipur	107369	28814	78555
16	Meghalaya	109696	83067	26629
17	Mizoram	27417	15144	12273
18	Nagaland	69899	36062	33837
19	Odisha	3045979	2802221	243758
20	Punjab	148860	79104	69756
21	Rajasthan	1224417	1120242	104175
22	Sikkim	11458	9695	1763
23	Tamil Nadu	527234	501202	26032
24	Tripura	107506	97625	9881
25	Uttar Pradesh	1907419	1042593	864826
26	Uttarakhand	238522	234593	3929
27	West Bengal	2679989	2120548	559441
	Total	27498652	20515472	6983180

* Includes release of free electricity connections to 4559141 BPL households of 72 projects sanctioned under phase-II of RGGVY

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2791
ANSWERED ON 14.03.2013

RGGVY IN RAJASTHAN

†2791. SHRI DEVJI M. PATEL:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government has fixed any time limit for covering all the villages of Rajasthan including Jalor, Sirohi districts under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY);
- (b) if so, the details thereof;
- (c) whether the Union Government has received the proposal from the State Government for sub-scheme under this scheme; and
- (d) the steps taken by the Government for early completion of the said sub-scheme?

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), 40 projects (25 projects in X Plan and 15 projects in XI Plan) have been sanctioned in the State of Rajasthan including districts Jalor and Sirohi, covering electrification of 4,339 un/de-electrified villages (UEV) and intensive electrification of 34,783 Partially Electrified Villages (PEV) with a project cost of Rs. 1339.00 crore. Cumulatively, as on 31.01.2013, the electrification works in 4,102 UEV and 32,294 PEV have been completed under the scheme. The project-wise details of electrification of villages under RGGVY in the State of Rajasthan is at Annex. Government has proposed to continue RGGVY in XII Plan for covering remaining villages/habitations and BPL families as per availability of funds.

(c) & (d) : Thirty (30) supplementary Detailed Project Reports (DPRs) of Rajasthan were received by Rural Electrification Corporation (REC), a nodal agency for implementation of RGGVY. Since the DPRs were not based on actual field survey, the Implementing Agencies have been requested by REC to re-submit the DPRs based on actual field survey for exact determination of household coverage.

ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 2791 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

Project wise details of electrification of villages under RGVY in the State of Rajasthan

Sl. No.	Name of District	Coverage		Cumulative Achievement (31-01-2013)	
		UE/DE Village	PEV	UE/DE Village	PEV
X Plan					
1	Ajmer	14	1011	14	921
2	Chittorgarh	4	0	4	0
3	Dungarpur	100	754	100	754
4	Jhunjhunu	0	855	0	787
5	Rajsamand	132	841	132	834
6	Sikar	13	973	13	884
7	Udaipur	46	0	46	0
8	Alwar	47	1882	47	1853
9	Bundi	68	771	68	662
10	Dausa	34	991	34	815
11	Dholpur	162	0	162	0
12	Karauli	9	0	9	0
13	Kota	38	767	38	691
14	Bikaner	180	587	180	587
15	Churu	6	843	6	843
16	Hanumangarh	46	0	46	0
17	Jaisalmer	98	348	98	322
18	Jaisalmer	55	0	55	0
19	Jalore	30	667	30	667
20	Jodhpur	173	885	173	885
21	Nagaur Ladnu	0	97	0	97
22	Sirohi	8	447	8	447
23	Sri Ganganagar	111	0	111	0
24	Bhilwara	104	1589	104	1589
25	Jhalawar	169	1293	169	1293
	Sub Total	1647	15601	1647	14931
XI Plan					
1	Banswara	446	967	357	689
2	Chittorgarh (sup)	207	1977	196	1896
	Nagaur	0	0	0	0
3	Udaipur(sup)	374	1793	307	1701
	Barmer	0	0	0	0
4	Hanumangarh(sup)	132	1576	132	940
	Pali	0	0	0	0
5	S.Ganganagar(sup)	179	2505	178	2264
	Baran	0	0	0	0
	Bharatpur	0	0	0	0
6	Dholpur(sup)	131	491	88	266
7	Jaipur	47	2030	47	1829
8	Karauli (sup)	65	617	66	623
9	S. Madhopur	76	613	75	608
10	Tonk	140	878	140	869
11	Baran	86	973	87	949
12	Barmer	668	1230	647	1200
13	Bharatpur	96	1265	95	1264
14	Nagaur	25	1352	25	1352
15	Pali	20	915	15	913
	Sub Total	2692	19182	2455	17363
40	Grand Total	4339	34783	4102	32294

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2794
ANSWERED ON 14.03.2013

HYDEL POWER

2794. SHRI DHRUVA NARAYANA:
SHRI P. KARUNAKARAN:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government is harnessing the hydel power available in the country;
- (b) if so, the details thereof along with the hydro power generation during the 11th Five Year Plan period including the shortfall in achieving the targets and the reasons therefor; and
- (c) the hydro power expected to be generated during the 12th Five Year Plan period along with the steps being taken to overcome the difficulties faced during the 11th Plan Period in achieving the targets?

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 re-assessment studies of hydro-electric potential in the country carried out by Central Electricity Authority (CEA), the hydro power potential in terms of Installed capacity is estimated at 145320 MW (above 25 MW). Out of the above, a capacity of 34630.8 MW has been developed till 31.1.2013 and Hydro Electric Projects (HEPs) having I.C. of 12447 MW are under construction. The State-wise details are given at Annex.

(b) : The details of Hydro Generation viz. a viz. Target during 11th Plan i.e. 2007-08 to 2011-12 are given below:

Year	Power Generation (Million Units)		% of Gen. Over Target
	TARGET	GENERATION	
2007-08	105896	119805.64	113.1
2008-09	114841	109839.86	95.65
2009-10	115468	103916.27	90.00
2010-11	111352	114257.36	102.61

2011-12	112050	130509.52	116.47
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- 2 -

The reasons for shortfall during 2008-09 and 2009-10 are given below:

(i) 2008-09: Due to less rainfall in the catchment areas. As per IMD, during South-West monsoon 2008, the country's actual rainfall was only 93% of its Long Period Average, resulting in lesser inflows into reservoirs.

(ii) 2009-10: Due to less rainfall in catchment areas. As per IMD, during South-West Monsoon 2009, the country's actual rainfall was only 80% of its Long Period Average, resulting in lesser inflows into reservoirs.

(c) : A hydro capacity addition of 10897 MW (6004 MW in Central Sector, 1608 MW in State Sector and 3285 MW in Private Sector) is expected to yield benefits during 12th Plan (2012-17).

The Government adopted a multi-pronged strategy for augmenting hydel capacity and hydro power generation in the country. Some of the policy measures and initiatives taken by the Government are investor-friendly New Hydro Policy, 2008, liberal National Rehabilitation and Resettlement Policy, Renovation, Modernization and life extension of old hydel generating units, incentives for completion of projects ahead of schedule, etc.

ANNEX

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2794
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

STATUS OF HYDRO ELECTRIC POTENTIAL DEVELOPMENT
(In terms of Installed capacity - Above 25 MW)

As on 31.1.2013

Region/ State	Identified Capacity as per reassessment study		Capacity Developed		Capacity Under construction		Capacity Developed + Under Construction		Capacity yet to be developed	
	Total	Above 25 MW	(MW)	%	(MW)	(%)	(MW)	(%)	(MW)	%
	(MW)	(MW)								
NORTHERN										
Jammu & Kashmir	14146	13543	2384.0	17.60	1065.0	7.86	3449.0	25.47	10094.0	74.53
Himachal Pradesh	18820	18540	7594.0	40.96	3732.0	20.13	11326.0	61.09	7214.0	38.91
Punjab	971	971	1206.3	100.00	0.0	0.00	1206.3	100.00	0.0	0.00
Haryana	64	64	0.0	0.00	0.0	0.00	0.0	0.00	64.0	100.00
Rajasthan	496	483	411.0	85.09	0.0	0.00	411.0	85.09	72.0	14.91
Uttarakhand	18175	17998	3426.4	19.04	1196.0	6.65	4622.4	25.68	13375.7	74.32
Uttar Pradesh	723	664	501.6	75.54	0.0	0.00	501.6	75.54	162.4	24.46
Sub Total (NR)	53395	52263	15523.3	29.70	5993.0	11.47	21516.3	41.17	30746.8	58.83
WESTERN										
Madhya Pradesh	2243	1970	2395.0	100.00	400.0	20.30	2795.0	100.00	0.0	0.00
Chhattisgarh	2242	2202	120.0	5.45	0.0	0.00	120.0	5.45	2082.0	94.55
Gujarat	619	590	550.0	93.22	0.0	0.00	550.0	93.22	40.0	6.78
Maharashtra	3769	3314	2487.0	75.05	0.0	0.00	2487.0	75.05	827.0	24.95
Goa	55	55	0.0	0.00	0.0	0.00	0.0	0.00	55.0	100.00
Sub total (WR)	8928	8131	5552.0	68.28	400.0	4.92	5952.0	73.20	2179.0	26.80
SOUTHERN										
Andhra Pradesh	4424	4360	2177.8	49.95	410.0	9.40	2587.8	59.35	1772.3	40.65
Karnataka	6602	6459	3585.4	55.51	0.0	0.00	3585.4	55.51	2873.6	44.49
Kerala	3514	3378	1881.5	55.70	100.0	2.96	1981.5	58.66	1396.5	41.34
Tamil Nadu	1918	1693	1737.2	100.00	45.0	2.66	1782.2	100.00	0.0	0.00
Sub Total (SR)	16458	15890	9381.9	59.04	555.0	3.49	9936.9	62.54	5953.2	37.46
EASTERN										
Jharkhand	753	582	233.2	40.07	0.0	0.00	233.2	40.07	348.8	59.93
Bihar	70	40	0.0	0.00	0.0	0.00	0.0	0.00	40.0	100.00
Orissa	2999	2981	2027.5	68.01	0.0	0.00	2027.5	68.01	953.5	31.99
West Bengal	2841	2829	143.0	5.05	226.0	7.99	369.0	13.04	2460.0	86.96
Sikkim	4286	4248	570.0	13.42	2421.0	56.99	2991.0	70.41	1257.0	29.59
A& Nicobar	0	0	0.0						0.0	
Sub Total (ER)	10949	10680	2973.7	27.84	2647.0	24.78	5620.7	52.63	5059.3	47.37
NORTH EASTERN										
Meghalaya	2394	2298	240.0	10.44	82.0	3.57	322.0	14.01	1976.0	85.99
Tripura	15	0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
Manipur	1784	1761	105.0	5.96	0.0	0.00	105.0	5.96	1656.0	94.04
Assam	680	650	375.0	57.69	0.0	0.00	375.0	57.69	275.0	42.31
Nagaland	1574	1452	75.0	5.17	0.0	0.00	75.0	5.17	1377.0	94.83
Arunachal Pd	50328	50064	405.0	0.81	2710.0	5.41	3115.0	6.22	46949.0	93.78
Mizoram	2196	2131	0.0	0.00	60.0	2.82	60.0	2.82	2071.0	97.18
Sub Total (NER)	58971	58356	1200.0	2.06	2852.0	4.89	4052.0	6.94	54304.0	93.06
ALL INDIA	148701	145320	34630.8	23.83	12447.0	8.57	47077.8	32.40	98242.2	67.60

Note : 1 In addition to above 2 PSS (1080 MW) are under construction and 4785.6 MW PSS are under operation

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2811
ANSWERED ON 14.03.2013

NTPC PROJECT

2811. SHRI ASADUDDIN OWAISI:

Will the Minister of POWER
be pleased to state:

- (a) whether the foundation stone of National Thermal Power Corporation Limited (NTPC) project at Chatra in Jharkhand was laid in 1999 but was cleared after 12 years;
- (b) if so, the reasons therefor along with the funds raised by NTPC for the said project;
- (c) the status of clearance from various sectors for the said project and the losses suffered by NTPC due to delay in such clearance; and
- (d) the steps being taken by the Government to adopt a mechanism for early clearance for power projects in the country to meet the increasing demand for power?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Yes, Madam.

(b) : The foundation stone of NTPC's 3x660 MW Super Thermal Power Project at North Karanpura, District Chatra in Jharkhand state was laid in March 1999. After obtaining various Statutory Clearances such as land, water, forest & environment and coal linkage accorded by Ministry of Coal in December, 2000 from Magadh mines, NTPC had gone ahead with project development activities such as land acquisition and other infrastructure work at the site finalized jointly in 2003 by Coal India Ltd (CIL), Central Mine Planning and Design Institute Limited (CMPDIL), Central Coal Fields Limited (CCL). Substantial progress in the project was achieved and NIT (Notice Inviting Tender) for main plant equipments was issued in September, 2007. When NTPC was about to seek investment approval of the project from its Board under Navratna powers (delegated by GOI), Ministry of Coal raised the issue of site relocation of the project and withdrew the coal linkage in 2008, due to which investment approval could not be processed further by NTPC and all project activities were stalled.

Several meetings were held between Ministry of Coal and Ministry of Power at the highest level to resolve the issue, which was finally referred to Cabinet Committee on Infrastructure (CCI) by Ministry of Coal. CCI mandated the Group of Ministers (GOM) for their recommendation on the project. The GOM appointed a Committee under Member Energy, Planning Commission to consider the issues involved and submit its recommendations. Based on the report of this Committee GOM recommended the plant to be set up at the proposed site by NTPC with safeguards and restoration of the original coal linkage. However, the decision was put up for reconsideration of the Cabinet by Ministry of Coal. Meanwhile, Ministry of Power moved a note for Cabinet Committee on Investment for restoration of coal linkage to the project and implementation of the decision of the GOM.

The project has since been cleared by Cabinet Committee on Investment in its meeting held on February 20, 2013 which has decided that in line with the decision of GOM, plant will be constructed by NTPC at the present site subject to certain safeguards. The Committee has also decided in-principle to restore the original coal linkage granted to the project. Restoration of coal linkage is awaited.

The delay in clearance of the project is due to the issue of site relocation raised by Ministry of Coal.

As regards raising of funds by NTPC for the said project, 1st tranche loan agreement for Japanese Yen 15.9 billion (approx. Rs.800 crores) was signed with Japan Bank for International Cooperation (JBIC) in March 2005. However, there was no drawl of loan and on 6th January 2011, DEA, Ministry of Finance conveyed termination of loan agreement.

(c) : All statutory clearances such as NOC from Airports Authority of India, clearance from DVC for project in their command area, Defence clearance; MoEF clearance and State Government clearance for providing water from Garhi Dam have been obtained for the project earlier. There is no financial loss to NTPC on account of the delay in such clearances.

(d) : As per electricity act 2003, setting up of a power plant has been delicensed.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2819
ANSWERED ON 14.03.2013

SUBSIDY TO PRIVATE POWER COMPANIES

2819. SHRI RAJIAH SIRICILLA:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government is providing subsidies to private power generation companies;
- (b) if so, the details thereof during the 11th and 12th Five Year Plan period, company-wise; and
- (c) the criteria adopted for providing such subsidies?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (c) : At present there is no plan scheme in the Ministry of Power under which subsidy is provided to private power generation companies.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2826
ANSWERED ON 14.03.2013

SNAPPING OF POWER CABLES

†2826. SHRI GANESH SINGH:

Will the Minister of POWER
be pleased to state:

- (a) whether the power cables of the Power Grid Corporation of India Limited (PGCIL) often snap and fall on the fields of the farmers in the country;
- (b) if so, the steps taken/being taken by the Government in this regard;
- (c) whether any compensation is paid to the farmers or their families by the power companies in case of death or destruction of crops caused due to falling electric wires in their field; and
- (d) if so, the details thereof including the number of farmers or their families who have been compensated during the last three years and the current year, year-wise and if not, the reasons therefor, State/UT-wise?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : POWERGRID is engaged in bulk power transfer through its Inter-State Transmission System (ISTS) which mainly consists of Extra High Voltage (EHV) network of 400 kV and above. POWERGRID uses the state-of-art technology in design and construction of secure transmission lines. In order to prevent/minimize such incidents the line alignment is generally kept away from inhabited/urban areas and routed mostly through barren lands/fields. Notwithstanding, there are very few incidents of snapping/falling of electric wires leading to some damage.

(c) & (d) : During restoration/stringing of snapped lines, whenever any crops were damaged, compensation is paid to the farmers as per rates provided by the local Revenue Authorities. In this regard, in the last three years, compensation has been paid to 14 famers in the State of Madhya Pradesh for damage to crops during restoration of line in the year 2010. No such compensation was disbursed in the year 2011, 2012 and in the current year so far in any other State.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2835
ANSWERED ON 14.03.2013

EXPANSION OF HYDRO POWER PROJECTS

†2835. SHRI BHUDEO CHOUDHARY:

Will the Minister of POWER
be pleased to state:

- (a) the details of the Hydro Power projects proposed to be expanded during the 12th Five Year Plan period, project wise;
- (b) the details of the funds proposed to be allocated for the purpose, project-wise; and
- (c) the target fixed by the Government for Hydro Power generation during the 12th Five Year Plan period?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : As per Planning Commission, the capacity addition for the 12th Five Year Plan on an all-India comprises of 10,897 MW for Hydro.

The list of hydro projects which are likely to yield benefits during 12th Plan is given at Annex.

(b) : All developers raise their own funds for the expansion programme, as per their requirement of the projects and various concerned approvals.

(c) : The Working Group of the Planning Commission for the Twelfth Plan has estimated a total requirement of 1403 Billion Units(BU) per annum by the end of 12th Five Year Plan (2016-17), out of which share of hydro generation is expected to be 12%.

ANNEX

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2835 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

The list of hydro projects which are likely to yield benefits during 12th Plan

Sl. No.	Project Name	State	Developer	Sector	Capacity (MW)
1	Lower Jurala HEP	A.P.	APGENCO	S	240
2	Pulichintala HEP	A.P.	APGENCO	S	120
3	Nagarjuna Sagar TR HEP	A.P.	APGENCO	S	50
4	Pare HEP	Ar. P	NEEPCO	C	110
5	Kameng HEP	Ar. P	NEEPCO	C	600
6	Subansiri Lower HEP	Ar. P	NHPC	C	1000
7	Parbati-II HEP	H.P.	NHPC	C	800
8	Rampur HEP	H.P.	SJVNL	C	412
9	Kol Dam HEP	H.P.	NTPC	C	800
10	Chamera-III HEP	H.P.	NHPC	C	231
11	Parbati - III HEP	H.P.	NHPC	C	520
12	Kashang - I HEP	H.P.	HPPCL	S	65
13	Uhi-III HEP	H.P.	BVPC	S	100
14	Sawara Kuddu HEP	H.P.	HPPCL	S	111
15	Kashang II & III HEP	H.P.	HPPCL	S	130
16	Sainj HEP	H.P.	HPPCL	S	100
17	Tidong-I HEP	H.P.	N S L Tidong Power Generation Ltd	P	100
18	Sorang HEP	H.P.	Himachal Sorang Power Pvt. Ltd	P	100
19	Tangnu Romai-I HEP	H.P.	Tangnu Romai Power Generation Ltd	P	44
20	Budhil HEP	H.P.	LANCO Green Power Pvt Ltd	P	70
21	Kishan Ganga HEP	J&K	NHPC	C	330
22	Uri-II HEP	J&K	NHPC	C	240
23	Nimoo Bazgo HEP	J&K	NHPC	C	45
24	Chutak HEP	J&K	NHPC	C	44
25	Baglihar-II HEP	J&K	J&K State Power Development Corp. Ltd.	S	450
26	Thottiar HEP	Kerala	KSEB	S	40
27	Pallivasal HEP	Kerala	KSEB	S	60
28	Maheshwar HEP U 1-10	MP	SMHPCL	P	400

29	New Umtru HEP	Meghalaya	MeECL	S	40
30	Myntdu St-I HEP ADDL UNIT	Meghalaya	MeECL	S	42
31	Tuirial HEP	Mizoram	NEEPCO	C	60
32	Bhasmey HEP	Sikkim	Gati Infrastructure Ltd.	P	51
33	Jorethang Loop HEP	Sikkim	DANS Pvt. Ltd	P	96
34	Rangit-IV HEP	Sikkim	Jal Power Corp. Ltd.	P	120
35	Teesta-VI HEP	Sikkim	Lanco Energy Pvt. Ltd.	P	500
36	Teesta-III HEP	Sikkim	Teesta Urja Ltd	P	1200
37	Chujachen HEP	Sikkim	Gati Infrastructure Ltd.	P	99
38	Bhawani Barrage HEP II	TN	TANGEDCO	S	30
39	Bhawani Barrage HEP III	TN	TANGEDCO	S	30
40	Tapovan Vishnugad HEP	Uttarakhand	NTPC	C	520
41	Singoli Bhatwari HEP	Uttarakhand	L&T Uttaranchal Hydro Power Ltd	P	99
42	Phata Byung HEP	Uttarakhand	Lanco Energy Pvt. Ltd.	P	76
43	Srinagar HEP	Uttarakhand	AHPCo. Ltd.	P	330
44	Teesta Low Dam-III HEP	WB	NHPC	C	132
45	Teesta Low Dam-IV HEP	WB	NHPC	C	160
	Total				10897

C: Central Sector; S: State Sector, P: Private Sector

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2836
ANSWERED ON 14.03.2013

ENERGY CRISIS

†2836. SHRI PASHUPATI NATH SINGH:

Will the Minister of POWER
be pleased to state:

- (a) whether there is energy crisis in the country in spite of various power projects;
- (b) if so, the details thereof;
- (c) whether the condition of the power plants in the country is very pitiable including Jharkhand and the conventional energy reserves for supply to these power plants are likely to be exhausted within a few years; and
- (d) if so, the details thereof along with the corrective measures 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) : There is overall shortage of energy in the country which varies from state to state and season to season as well as day to day depending on demand and supply of power. During the current year (April, 2012 to February, 2013), the overall energy shortages in the country was 79,636 MU (8.8%) against a total energy availability of 8,26,532 MU in the same period.

(c) & (d) : As regards the condition of thermal power plants in the country including Jharkhand is concerned, the average plant load Factor is 69.97% for the period April 2012 to February, 2013. As regards conventional energy reserves for supply to these power plants, a cumulative total of about 2.93 lac Million Tonne (MT) of Geological Resources of Coal have so far been estimated in the country as on 1st April, 2012 against the annual coal requirement of 500 Million Tonnes in the year 2012-13. As such, conventional energy reserves of coal being supplied to power plants in the country is not likely to be exhausted within a few years. The power stations in Jharkhand are having coal stock for more than 7 days as on 10th March, 2013. A group of officers of Ministry of Power, Ministry of Railways and Coal India Limited meets every week to review the coal supply position to thermal power station and takes measures to augment coal supply to the power plants.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2850
ANSWERED ON 14.03.2013

PER CAPITA POWER CONSUMPTION

†2850. DR. PADMASINHA BAJIRAO PATIL:
SHRI RAMSINH RATHWA:

Will the Minister of POWER
be pleased to state:

- (a) the average per capita power consumption in the country during the last three years, State-wise;
- (b) whether the per capita power consumption in some of the States is less than the national average and also there is discrepancy in power consumption during base and peak demand supply;
- (c) if so, the details thereof and the reasons therefor, State-wise;
- (d) the percentage increase in consumption of power during the current year compared to the previous year; and
- (e) the measures being taken by the Government to address the peak load deficit which has been increasing steadily over the years and to increase the power generation so as to bridge the gap between the demand and supply?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : The average per capita power consumption in the Country during the last three years are as under;

Year	Per capita power consumption in kWh
2008-09	733.54
2009-10	778.63
2010-11	818.75

State-wise details are at Annex-I.

(b) & (c) : As per Annex-I, some States/UTs have less per capita power consumption than the national average. As regards state-wise peak demand and peak met as well as energy demand and supply, state-wise details for 2012-13 (April 2012 to February, 2013) are at Annex-II.

(d) : The percentage increase in the peak power met and energy availability during the current year (April, 2012 to February, 2013) as compared to the corresponding period of previous year (April, 2011 to February, 2012) was 7.9% and 5.6% respectively.

(e) : Following steps have been / being taken by the Government to bridge the gap between demand and supply of power in the country:

- (i) Capacity addition of 88,537 MW during 12th Plan period (2012-2017).
- (ii) Rigorous monitoring of capacity addition of the on-going generation projects.
 - (a) Review of progress of power projects is being done at the highest level by Hon'ble Union Power Minister, Secretary, Ministry of Power and Chairperson, CEA, to identify the constraint areas and facilitate their faster resolution, so that the projects are commissioned on time.
 - (b) Regular reviews are held at various levels including Ministry of Power, Ministry of Heavy Industries, Ministry of Coal, Planning Commission and Cabinet Secretariat to identify the constraint areas and facilitate faster resolution of inter-ministerial and other outstanding issues.
- (iii) Development of Ultra Mega Power Projects of 4,000 MW each.
- (iv) Augmentation of domestic manufacturing capacity of power equipment through Joint Ventures.
- (v) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (vi) Thrust to import of coal by the power utilities to meet the shortfall in coal supplies to thermal power stations from indigenous sources.
- (vii) Renovation, modernization and life extension of old and inefficient generation units.
- (viii) Strengthening of inter-state and inter-regional transmission capacity for optimum utilization of available power.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2850
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

The State-wise Per Capita Consumption of Electricity
for the years 2008-09 to 2010-11

(kWh)

Name of the State/UTs	2008-09	2009-10	2010-11
Haryana	1278.85	1491.37	1485.07
Himachal Pradesh	1015.76	1144.94	1250.93
Jammu & Kashmir	894.40	968.47	988.30
Punjab	1552.99	1663.01	1735.51
Rajasthan	747.07	811.12	843.75
Uttar Pradesh	371.89	386.93	411.94
Uttarakhand	920.69	930.41	1143.61
Chandigarh	1247.49	1238.51	1282.86
Delhi	1374.16	1447.72	1530.43
Sub-Total (N R)	688.15	739.44	776.37
Gujarat	1457.29	1558.58	1508.14
Madhya Pradesh	583.75	618.10	674.48
Chhattisgarh	1417.60	921.14	1117.53
Maharashtra	969.40	1054.10	1095.99
Goa	2259.85	2004.77	2060.65
Daman & Diu	6507.96	7201.84	7810.22
D. & N. Haveli	11094.49	11708.59	13366.50
Sub-Total (W R)	1039.02	1061.41	1104.44
Andhra Pradesh	928.16	1013.74	1065.46
Karnataka	854.35	873.05	925.02
Kerala	444.00	536.78	550.80
Tamil Nadu	1134.48	1210.81	1232.51
Puducherry	1988.37	1864.50	1850.47
Lakshadweep	453.00	428.81	531.63
Sub-Total (S R)	904.49	971.55	1009.63
Bihar	107.14	117.48	126.75
Jharkhand	695.55	750.46	749.27
Orissa	775.16	837.55	1070.35
West Bengal	442.45	515.08	537.85
A. & N. Islands	474.70	506.13	499.18
Sikkim	806.29	845.40	880.11
Sub-Total (E R)	401.11	446.14	493.39
Assam	199.15	209.21	222.86
Manipur	241.73	207.15	242.30
Meghalaya	655.38	613.36	654.08
Nagaland	225.98	242.39	264.81
Tripura	203.75	223.78	221.80
Arunachal Pradesh	447.47	503.27	582.08
Mizoram	378.29	429.31	461.69
Sub-Total (N E R)	241.85	249.65	267.51
Total All India	733.54	778.63	818.75

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 2850 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

Cumulative Comparison of Power Supply Position (Peak) -Provisional										
(Figures in MW net)										
State/System/Region	April, 2012 - February,2013				April, 2011 - February,2012				% Change	
	Demand (MW)	Met (MW)	Surplus/Deficit (-) (MW)	(%)	Demand (MW)	Met (MW)	Surplus/Deficit (-) (MW)	(%)	Demand (%)	Met (%)
Chandigarh	340	340	0	0.0	263	263	0	0.0	29.3	29.3
Delhi	5,942	5,642	-300	-5.0	5,031	5,028	-3	-0.1	18.1	12.2
Haryana	7,432	6,725	-707	-9.5	6,533	6,259	-274	-4.2	13.8	7.4
Himachal Pradesh	2,116	1,672	-444	-21.0	1,397	1,298	-99	-7.1	51.5	28.8
Jammu & Kashmir	2,422	1,817	-605	-25.0	2,385	1,789	-596	-25.0	1.6	1.6
Punjab	11,520	8,751	-2,769	-24.0	10,471	8,701	-1,770	-16.9	10.0	0.6
Rajasthan	8,940	8,515	-425	-4.8	8,188	7,545	-643	-7.9	9.2	12.9
Uttar Pradesh	13,940	12,048	-1,892	-13.6	12,038	11,616	-422	-3.5	15.8	3.7
Uttarakhand	1,759	1,674	-85	-4.8	1,612	1,600	-12	-0.7	9.1	4.6
Northern Region	45,860	41,790	-4,070	-8.9	40,248	37,117	-3,131	-7.8	13.9	12.6
Chhattisgarh	3,271	3,134	-137	-4.2	3,239	2,851	-388	-12.0	1.0	9.9
Gujarat	11,999	11,960	-39	-0.3	10,951	10,759	-192	-1.8	9.6	11.2
Madhya Pradesh	10,077	9,462	-615	-6.1	9,151	7,842	-1,309	-14.3	10.1	20.7
Maharashtra	17,934	16,765	-1,169	-6.5	21,069	16,417	-4,652	-22.1	-14.9	2.1
Daman & Diu	311	286	-25	-8.0	301	276	-25	-8.3	3.3	3.6
Dadar Nagar Haveli	629	629	0	0.0	615	605	-10	-1.6	2.3	4.0
Goa	491	452	-39	-7.9	514	471	-43	-8.4	-4.5	-4.0
Western Region	40,075	39,486	-589	-1.5	42,352	35,952	-6,400	-15.1	-5.4	9.8
Andhra Pradesh	14,031	11,335	-2,696	-19.2	13,254	11,591	-1,663	-12.5	5.9	-2.2
Karnataka	10,124	8,761	-1,363	-13.5	9,819	8,065	-1,754	-17.9	3.1	8.6
Kerala	3,578	3,262	-316	-8.8	3,377	3,216	-161	-4.8	6.0	1.4
Tamil Nadu	12,606	11,053	-1,553	-12.3	12,166	10,566	-1,600	-13.2	3.6	4.6
Pondicherry	348	320	-28	-8.0	335	320	-15	-4.5	3.9	0.0
Lakshadweep	8	8	0	0.0	8	8	0	0.0	0.0	0.0
Southern Region	37,363	31,287	-6,076	-16.3	36,082	31,489	-4,593	-12.7	3.6	-0.6
Bihar	2,295	1,784	-511	-22.3	2,031	1,738	-293	-14.4	13.0	2.6
DVC	2,573	2,469	-104	-4.0	2,318	2,038	-280	-12.1	11.0	21.1
Jharkhand	1,132	1,039	-93	-8.2	1,030	842	-188	-18.3	9.9	23.4
Orissa	3,968	3,694	-274	-6.9	3,589	3,526	-63	-1.8	10.6	4.8
West Bengal	7,322	7,249	-73	-1.0	6,555	6,378	-177	-2.7	11.7	13.7
Sikkim	95	95	0	0.0	100	95	-5	-5.0	-5.0	0.0
Andaman- Nicobar	48	48	0	0.0	48	48	0	0.0	0.0	0.0
Eastern Region	16,655	15,415	-1,240	-7.4	14,505	13,971	-534	-3.7	14.8	10.3
Arunachal Pradesh	116	114	-2	-1.7	121	118	-3	-2.5	-4.1	-3.4
Assam	1,197	1,148	-49	-4.1	1,112	1,053	-59	-5.3	7.6	9.0
Manipur	122	120	-2	-1.6	116	115	-1	-0.9	5.2	4.3
Meghalaya	333	330	-3	-0.9	319	267	-52	-16.3	4.4	23.6
Mizoram	75	73	-2	-2.7	82	78	-4	-4.9	-8.5	-6.4
Nagaland	110	109	-1	-0.9	111	105	-6	-5.4	-0.9	3.8
Tripura	229	228	-1	-0.4	215	214	-1	-0.5	6.5	6.5
North-Eastern Region	1,998	1,864	-134	-6.7	1,920	1,782	-138	-7.2	4.1	4.6
All India	135,453	123,294	-12,159	-9.0	130,006	114,233	-15,773	-12.1	4.2	7.9

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2852
ANSWERED ON 14.03.2013

SETTING UP OF GAS BASED POWER PLANTS

2852. SHRI SUVENDU ADHIKARI:
SHRIMATI RAMA DEVI:
SHRI GORAKH PRASAD JAISWAL:

Will the Minister of POWER
be pleased to state:

- (a) the details of the gas-based power plants being set up in the country, State-wise along with the present status thereof;
- (b) the expected quantum of gas required for various gas-based power plants during the next three years;
- (c) whether the Government has decided to set up more gas based power plants in the future;
- (d) if so, the details thereof and if not, the reasons therefor; and
- (e) the steps taken/being taken by the Government to complete all the Ultra Mega Power Projects in the country expeditiously?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Details of gas based power projects currently being set up in the country, State-wise along with present status are given at Annex.

(b) : Quantum of gas requirement expected for various gas-based power plants during the next three years for operation at 90% PLF is :

Gas requirement for existing Power plants to operate at 90% PLF : 86.6 MMSCMD

Gas requirement for proposed Power plants at various stages of commissioning to operate at 90% PLF : 50.1 MMSCMD

Total gas requirement : 136.7 MMSCMD

(c) : No, Madam. Government of India does not set up power plants.

(d) : Due to dwindling supply of gas Ministry of Power / Central Electricity Authority has issued an advisory to all the developers of power plants not to plan any gas based power plants till 2015-16.

(e) : At present, all the awarded UMPPs are likely to be commissioned within their contractual schedule. Ministry of Power takes up the matter with different Ministries / the State Governments as and when required for facilitating expeditious commissioning of the projects. The Joint Monitoring Committees (JMCs) consisting of the members of the Central Electricity Authority (CEA) & Procurers have been set up for regular monitoring of the awarded projects.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2852 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

LIST OF STRANDED/ UNDER CONSTRUCTION GAS BASED POWER PLANTS IN THE COUNTRY

A: GAS BASED POWER PLANTS PLANNED FOR 12th PLAN

(GAS HAS BEEN TIED UP FROM LOCAL SOURCES)

S.No.	Name of Power Station /Agency	Capacity (MW)	Located in State
	STATE SECTOR		
1	Ramgarh CCGT	160	Rajasthan
2.	Namrup CCGT	100	Assam
	Sub Total (S.S.)	260	
	Private Sector		
3	Tripura Gas	726	Tripura
4	Monarchak	100	Tripura
	Sub Total (Pvt Sector)	826	
	Total (S.S+P.S)	1086	

B: GAS BASED POWER PLANTS COMMISSIONED BUT AWAITING GAS ALLOCATION

S.No.	Name of Power Station /Agency	Capacity (MW)	Located in State
	STATE SECTOR		
1	Bawana CCGT	250	Delhi
2	GSEG Hazira CCGT	351	Gujarat
	Sub Total (S.S.)	601	
	Private Sector		
3	Sugen Phase-I Unit -4 M/s Torrent	382.5	Gujarat
	Sub Total (Pvt Sector)	382.5	
	Total (S.S+P.S)	983.5	

C: GAS BASED POWER PLANTS UNDER ADVANCED STAGE OF CONSTRUCTION AND AWAITING GAS ALLOCATION

S.No.	Name of Power Station /Agency	Capacity (MW)	Located in State
	STATE SECTOR		
1	Bawana CCGT	500	Delhi
2	Pipavav JV CCGT	702	Gujarat
3.	Dhuvaran Ext (GSECL)	375	Gujarat
	Sub Total (S.S.)	1577	
	Private Sector		
1	Vemagiri exp by M/s GMR Rajamundry Energy Ltd.(GREL)	768	A.P.
2	Lanco Kondapalli Exp (St-III)	770	A.P.
3	Kashipur CCGT (Sravanti Energy P Ltd) I&II	450	Uttarakhand
4	Samalkot Expansion	2400	A.P.
5	CCGT by M/s Panduranga Energy Systems Pvt. Ltd (PSPL)-Ph-I	110	A.P.
7	CCGT by M/s Beta Infratech Private Ltd	225	Uttarakhand
8	CCGT by M/s Gama Infraprop Pvt Ltd	225	Uttarakhand
9	Gas Engine at Pashamylaram by Astha Power	35	A.P.
10	Dahej SEZ (Torrent) 3 Modules	1200	Gujarat
11	CCGT by M/s Pioneer Gas Power Ltd	400	Maharashtra
12	CCGT by M/s KPR Chemicals Ltd	225	A.P.
	Sub Total (Private Sector)	6808	
	Sub Total (SS+PS) PROJECTS UNDER CONSTRUCTION	8385	
	TOTAL (ALL INDIA) A+B+C	10454.5	

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2856
ANSWERED ON 14.03.2013

ESTABLISHMENT OF POWER PLANTS

†2856. SHRI RATAN SINGH:
SHRI YASHBANT N.S. LAGURI:

Will the Minister of POWER
be pleased to state:

- (a) whether the power plants in the country are not being established within the prescribed time frame due to incompetence and negligence of officers;
- (b) if so, the reaction of the Government thereto;
- (c) the corrective measures being taken by the Government in this regard; and
- (d) the success achieved by the Government as a result thereof?

A N S W E R

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

(a) : As per information available with Central Electricity Authority, no power plant is being delayed due to incompetence and negligence of officers.

(b) to (d) : In view of the above, do not arise.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2870
ANSWERED ON 14.03.2013

POWER PURCHASE AGREEMENT

2870. SHRI SHIVKUMAR UDASI:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government proposes to introduce a new model of Power Purchase Agreement in the Power sector;
- (b) if so, the details thereof;
- (c) whether the views of the various stakeholders in this regard have been taken; 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) to (d): A Model Power Purchase Agreement (MPPA) was prepared and circulated on 7.9.2012 to stakeholders for their comments based on the decision taken in various meetings and deliberations held with various stakeholders including State Governments, Discoms, private developers, financial institutions and concerned Ministries/Departments. Further, an Inter-Ministerial Group (IMG) was also constituted under the chairmanship of Secretary (Power) with the representatives of Ministry of Law & Justice, Ministry of Finance, Ministry of Coal, Ministry of Environment & Forests, Planning Commission and Central Electricity Authority (CEA) to consider the suggestions of stakeholders and to fine-tune the document.

The finalization of the documents is under process.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2876
ANSWERED ON 14.03.2013

HYDRO POWER GENERATION PROJECTS

2876. SHRI PREM DAS RAI:

Will the Minister of POWER
be pleased to state:

- (a) the details of the existing and proposed Hydro Power projects in the Himalayan region of the country;
- (b) the details of the persons displaced as a result of such projects along with the status of their rehabilitation, project-wise;
- (c) whether there is an adverse impact on the ecosystem due to the Hydro Power projects;
- (d) if so, the brief summary of the surveys conducted for examining the effects of Hydro Power projects on the ecosystem; and
- (e) the manner in which the Government plans to balance Hydro Power infrastructure development with ecological sustainability of the Indian Himalayan region?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : The details of the hydro-electric projects (HEPs) (above 25 MW) under operation and under construction in the Himalayan States are enclosed at Annex-I & Annex-II respectively.

(b) : All Rehabilitation & Resettlement (R&R) issues pertaining to Project Affected Persons (PAPs) in respect of Hydro and Thermal Power Projects are proactively addressed during land acquisition and project construction stage itself. A Rehabilitation Action Plan (RAP) is formulated through extensive consultations process involving PAPs, Heads of Panchayats of the affected villages, people's representatives and the Local Administration. The RAP, thus prepared on a consensual basis is then approved for implementation. The duration of RAP implementation varies from project to project and this normally is completed by the time project implementation is completed. However, despite the best efforts, if

some R&R issues are left or they crop up after the completion of the project, they are properly addressed in due course of time.

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The information regarding R&R issues pending in respect of various Central Public Sector Undertakings (CPSUs) under Ministry of Power and Bhakra Beas Management Board (BBMB) is as under:

- (i) NEEPCO: R&R of project affected families (PAFs) in respect of two under construction projects is being implemented through State Governments against fund provided by NEEPCO.
- (ii) BBMB: Of the 7206 PAFs from Bhakra Dam Project, 48 oustees are to be provided proprietary rights, which is being pursued by Deputy Commissioner (R&R), Hissar. As regards, Pong Dam Project, the oustees have been rehabilitated in Rajasthan. Till date, 10585 oustees have been allotted land and 5767 cases are pending for allotment of land which is being done by Colonization Commissioner, Bikaner.
- (iii) NHDC: The details regarding project affected families in respect of Indira Sagar and Omkareshwar Hydro projects are as under:

Sl. No.	Particulars	Project Affected Families	Shifted Families	Remaining Families
1.	Indira Sagar Project (1000 MW)	44631	43064	1567
2.	Omkareshwar Project (520 MW)	6290	3639	2651

(c) to (e) : Implementation of Hydro Power Projects involves submergence of forests and other types of land and is also associated with change in flow pattern in the river. While preparing the Detailed Project Report (DPR), developer carries out various studies mandated by Ministry of Environment & Forests (MoEF) in order to analyze impact of the Project on flora, fauna and wild life etc. These studies are thoroughly examined by the MoEF before granting environmental and forest clearances to the HEPs.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2876
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

HYDRO PROJECTS (ABOVE 25 MW) UNDER OPERATION IN HIMALAYAN REGION

AS ON 28.02.2013

S. NO.	REGION / SECTOR / STATION	NO. OF UNITS X SIZE (MW)	STATE / UTILITY	CAPACITY (MW)
1	BHAKRA - L	5X108	HP / BBMB	540.00
2	BHAKRA - R	5X157	HP / BBMB	785.00
3	DEHAR	6X165	HP / BBMB	990.00
4	PONG	6X66	HP / BBMB	396.00
5	BAIRA SIUL	3X66	HP / NHPC	198.00
6	SALAL-I	3X115	J&K / NHPC	345.00
7	SALAL- II	3X115	J&K / NHPC	345.00
8	TANAKPUR	3X31.4	U'KHAND / NHPC	94.20
9	CHAMERA-I	3X180	HP / NHPC	540.00
10	CHAMERA-II	3X100	HP / NHPC	300.00
11	CHAMERA-III	3X77	HP / NHPC	231.00
12	URI	4X120	J&K / NHPC	480.00
13	DHAULIGANGA	4X70	U'KHAND / NHPC	280.00
14	DULHASTI	3X130	J&K / NHPC	390.00
15	SEWA-II	3X40	J&K / NHPC	120.00
16	CHUTAK	4X11	J&K / NHPC	44.00
17	NATHPA JHAKRI	6X250	HP/ SJVNL	1500.00
18	TEHRI	4X250	U'KHAND/ THDCL	1000.00
19	KOTESHWAR	4X100	U'KHAND/ THDCL	400.00
20	GIRI BATA	2X30	HP./ HPSEBL	60.00
21	BASSI	4X15	HP./ HPSEBL	60.00
22	SANJAY	3X40	HP./ HPSEBL	120.00
23	LARJI	3X42	HP./ HPSEBL	126.00
24	MALANA (PVT.)	2X43	HP / MPCL	86.00
25	MALANA-II (PVT.)	2X50	HP / EPPL	100.00
26	KARCHAM WANGTOO (PVT.)	4X250	HP / JPVL	1000.00
27	BASPA-II (PVT)	3X100	HP / JPVL	300.00
28	ALLAIN DUHAGAN (PVT)	2X96	HP / ADHPL	192.00
29	BUDHIL (PVT)	2X35	HP / LGPPL	70.00
30	LOWER JHELMUM	3X35	J&K / JKSPDCL	105.00
31	UPPER SINDH - II	3X35	J&K / JKSPDCL	105.00
32	BAGLIHAR	3X150	J&K / JKSPDCL	450.00
33	DHAKRANI	3X11.25	U'KHAND/ UJVNL	33.75
34	DHALIPUR	3X17	U'KHAND/ UJVNL	51.00
35	KULHAL	3X10	U'KHAND/ UJVNL	30.00
36	CHIBRO	4X60	U'KHAND/ UJVNL	240.00
37	KHODRI	4X30	U'KHAND/ UJVNL	120.00
38	RAMGANGA	3X66	U'KHAND/ UJVNL	198.00
39	CHILLA	4X36	U'KHAND/ UJVNL	144.00
40	MANERIBHALI STAGE-I	3X30	U'KHAND/ UJVNL	90.00
41	MANERIBHALI STAGE-II	4X76	U'KHAND/ UJVNL	304.00
42	KHATIMA	3X13.8	U'KHAND/ UJVNL	41.40
43	VISHNUPRAYAG	4X100	U'KHAND/ JPVL	400.00

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44	TEESTA LOW DAM III	4X33	WEST BENGAL/ NHPC	99.00
45	JALDHAKA - I	3X9	WEST BENGAL/ WBSEDCL	27.00
46	RAMMAM-II	4X12.5	WEST BENGAL/ WBSEDCL	50.00
47	RANGIT-III	3X20	SIKKIM/ NHPC	60.00
48	TEESTA V	3X170	SIKKIM/ NHPC	510.00
49	KYRDEMKULAI	2X30	MEGHALAYA/ MeECL	60.00
50	UMIAM ST-I	4X9	MEGHALAYA/ MeECL	36.00
51	UMIAM ST- IV	2X30	MEGHALAYA/ MeECL	60.00
52	MYNTDU-ST-I	2X42	MEGHALAYA/ MeECL	84.00
53	RANGANADI	3X135	A'PRADESH/ NEEPCO	405.00
54	LOKTAK	3X35	MANIPUR/ NHPC	105.00
	TOTAL			14900.35

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2876
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

Hydro projects under execution in Himalayan Region
(Excluding projects under Ministry of New & Renewable Energy)

As on 28.02.2013

Sl. No.	Name of Project	Unit No.	State/ Implem. Agency	Capacity (MW)	Likely Commissioning
	Central Sector				
1	Uri-II 4x60= 240 MW	U-1 to U-4	Jammu & Kashmir/ NHPC	240	2012-13
2	Nimoo Bazgo 3x15=45 MW	U-1 to U-3	Jammu & Kashmir/ NHPC	45	2013-14
3	Kishanganga 3x110= 330 MW	U-1 to U-3	Jammu & Kashmir/ NHPC	330	2016-17
4	Parbati St. II 4x200= 800 MW	U-1 to U-4	Himachal Pradesh/ NHPC	800	2016-17
5	Parabati-III 4x130= 520 MW	U-1 to U-4	Himachal Pradesh/ NHPC	520	2012-14
6	Kol Dam 4x200= 800 MW	U-1 to U-4	Himachal Pradesh/ NTPC	800	2014-15
7	Rampur 6x68.67= 412 MW	U-1 to U-6	Himachal Pradesh/ SJVNL	412	2013-15
8	Tapovan Vishnugad 4x130=520 MW	U-1 to U-4	Uttarakhand / NTPC	520	2015-16
9	Tehri PSS 4x250= 1000 MW	U-1 to U-4	Uttarakhand/ THDC	1000	2017-18
10	Lata Tapovan 3x57= 171 MW	U-1 to U-4	Uttarakhand/ NTPC	171	2017-18
11	Teesta Low Dam-III 4x33= 132 MW	U-1 to U-4	West Bengal/ NHPC	33	2012-14
12	Teesta Low Dam-IV 4x40= 160 MW	U-1 to U-4	West Bengal/ NHPC	160	2014-15
13	Subansiri Lower 8x250= 2000 MW	U-1 to U-8	Arunachal Pradesh/ NHPC	2000	2016-18
14	Kameng 4x150= 600 MW	U-1 to U-4	Arunachal Pradesh/ NEEPCO	600	2016-17
15	Pare 2x55= 110 MW	U-1 to U-2	Arunachal Pradesh/ NEEPCO	110	2014-15
16	Tuirial 2x30= 60 MW	U-1 to U-2	Mizoram/ NEEPCO	60	2016-17
			Sub- total (Central):	7801	
	State Sector				
17	Baglihar-II 3x150= 450 MW	U-1 to U-3	J&K/ JKPDC	450	2016-17
18	Uhl-III 3x33.33= 100 MW	U-1 to U-3	Himachal Pradesh/ Beas Valley Power Corp. Ltd. (BVPC)	100	2014-15
19	Kashang-I 65 MW		Himachal Pradesh/ HPPCL	65	2014-15
20	Kashang-II & III 1x65 + 1x65= 130 MW	U- 1 U- 2	Himachal Pradesh/ HPPCL	130	2015-16
21	Sainj 100 MW		Himachal Pradesh/ HPPCL	100	2014-15

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22	Swara Kuddu 3x37= 111 MW	U-1 to U-3	Himachal Pradesh/ HPPCL	111	2014-15
23	Shongtong Karcham 3x150= 450 MW	U-1 to U-3	Himachal Pradesh/ HPPCL	450	2017-18
24	Myntdu Unit-3 1x42= 42 MW	U-3	Meghalaya/ MeECL	42	2012-13
25	New Umtru 2x20= 40 MW	U-1& U-2	Meghalaya/ MeECL	40	2014-15
			Sub- total (State):	1488	
	Private Sector				
26	Sorang 2x50= 100 MW	U-1 & U-2	Himachal Pradesh/ Himachal Sorang Power	100	2013-14
27	Tangnu Romai- I 2x22= 44 MW	U-1 to U-2	Himachal Pradesh/ Tangu Romai Power Generation	44	2015-16
28	Shrinagar 4x82.5= 330 MW	U-1 to U- 4	Uttarakhand/ M/s GVK Industries	330	2013-15
29	Phata Byung 76 MW		Uttarakhand/ M/s Lanco	76	2014-15
30	Singoli Bhatwari 3x33= 99 MW	U-1 to U-3	Uttarakhand/ L&T Uttaranchal Hydro power Limited	99	2015-16
31	Chujachen 2x49.5= 99 MW	U-1& U-2	Sikkim/ Gati	99	2013-14
32	Teesta- III 6x200= 1200 MW	U-1 to U-6	Sikkim/ Teesta Urja Ltd.	1200	2014-15
33	Tidong-I 2x50= 100 MW	U-1 to U-2	Himachal Pradesh/ M/s Nuziveedu Seeds	100	2016-17
34	Teesta- VI 4x125= 500 MW	U-1 to U-4	Sikkim/ LANCO	500	2015-16
35	Rangit-IV 3x40= 120 MW	U-1 to U-3	Sikkim/ Jal Power corp. Ltd.	120	2014-15
36	Jorethang Loop 2x48= 96 MW		Sikkim/ M/s DANS Energy	96	2014-15
37	Bhasmey 2X25.5= 51 MW	U-1 to U-2	Sikkim/ Gati Infrastructure	51	2015-16
38	Tashiding 2x48.5= 97 MW	U-1 to U-2	Sikkim/ Shiga Energy Pvt. Ltd.	97	2017-18 (Likely to advance in 12 th Plan)
39	Dikchu 3x32= 96 MW	U-1 to U-3	Sikkim/ Sneha Kinetic Power Projects Pvt. Ltd.	96	2017-18
40	Rangit-II 2x33= 66 MW	U-1 to U-2	Sikkim/ Sikkim Hydro Power Ltd.	66	2017-18
41	Rongnichu 2x48= 96 MW	U-1 to U-2	Sikkim/ Madhya Bharat Power Corporation Ltd.	96	2017-18
			Sub- total (Private):	3170	
			Total:	12459	

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2878
ANSWERED ON 14.03.2013

POWER PROJECTS ON BRAHMAPUTRA

†2878. SHRI A.T. NANA PATIL:

Will the Minister of POWER
be pleased to state:

- (a) the details of the sanctioned and on-going power projects on the Brahmaputra river along with the location and capacity of the said power projects, project-wise; and
- (b) the time by which the said projects are likely to be commenced, 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) : The details of sanctioned and ongoing hydro electric projects (25 MW and above) on the Brahmaputra Basin (Brahmaputra river along with its tributaries) with installed capacity and likely commissioning year is enclosed at Annex.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 2878 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

Hydro Electric Projects Under Execution in Brahmaputra Basin (Excluding projects under Ministry of New & Renewable Energy)						
Sl. No.	Name of Scheme	State	I.C. (No. x MW)	Cap. Under Execution (MW)	Comm. Latest	Remarks
<u>Central Sector</u>						
1	Teesta Low Dam-III (NHPC)	W.B.	4x33	33.00	2012-14	99 MW commissioned
2	Teesta Low Dam-IV (NHPC)	W.B.	4x40	160.00	2014-15	
3	Subansiri Lower (NHPC)	Ar. Pr.	8x250	2000.00	2016-18	
4	Kameng (NEEPCO)	Ar. Pr.	4x150	600.00	2016-17	
5	Pare (NEEPCO)	Ar. Pr.	2x55	110.00	2014-15	
6	Tuirial (NEEPCO)	Mizoram	2x30	60.00	2016-17	
Sub- total (Central Sector) :				2963.00		
<u>State Sector</u>						
7	Myntdu	Meghalaya	2x42+1x42	42.00	2012-13	84 MW commissioned
8	New Umtru	Meghalaya	2x20	40.00	2014-15	
Sub- total (State Sector) :				82.00		
<u>Private Sector</u>						
9	Chujachen	Sikkim	2x49.5	99.00	2013-14	
10	Teesta St. III	Sikkim	6x200	1200.00	2014-15	
11	Teesta St. VI	Sikkim	4x125	500.00	2015-16	
12	Rangit-IV	Sikkim	3x40	120.00	2014-15	
13	Jorethang Loop	Sikkim	2x48	96.00	2014-15	
14	Bhasmey	Sikkim	2X25.5	51.00	2015-16	
15	Tashiding	Sikkim	2x48.5	97.00	2017-18	
16	Dikchu	Sikkim	3x32	96.00	2017-18	
17	Rangit-II	Sikkim	2x33	66.00	2017-18	
18	Rongnichu	Sikkim	2x48	96.00	2017-18	
Sub- total (Private Sector) :				2421.00		
Total:				5466.00		

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2882
ANSWERED ON 14.03.2013

CONFERENCE OF STATE POWER MINISTERS

2882. SHRI MADHU GOUD YASKHI:
SHRI KISHNBHAI V. PATEL:
SHRIMATI SHRUTI CHOUDHRY:
SHRI PRADEEP MAJHI:
SHRI A. SAI PRATAP:

Will the Minister of POWER
be pleased to state:

- (a) whether the sixth annual conference of State Power Ministers was held recently;
- (b) if so, the details thereof and the details of the issues discussed during the said conference;
- (c) the details of suggestions made by various States to provide affordable and adequate power to consumers particularly to those who are not connected with the grid; and
- (d) the measures being taken by the Government to address the issues discussed during the conference?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Yes, Madam. The sixth annual conference of State Power Ministers was held on 05.02.2013.

(b) to (d) : Discussions in the Conference, included inter-alia, Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), Restructured Accelerated Power Development & Reforms Programme (R-APDRP), National Electricity Fund, Financial Restructuring Plan, Procurement of Power, Transmission System Planning and Implementation, Secure Grid Operation and Demand Side Management (DSM) and Energy Efficiency (EE).

After detailed discussion, a Resolution was adopted for actions to be taken. A copy of the same is at Annex.

ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (b) TO (d) OF UNSTARRED QUESTION NO. 2882 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

RESOLUTIONS ADOPTED AT THE CONFERENCE OF POWER MINISTERS
OF STATES & UNION TERRITORIES HELD ON 05.02.2013

The 6th Conference of Power Ministers of States and UTs held on 5th February 2013 deliberated several issues related to providing affordable and adequate power to consumers and making electricity accessible to all the consumers particularly in those inhabitations that are not connected with the Grid. The State Power Ministers expressed concern at the situation of fuel uncertainty affecting the power sector and urged Government of India to augment the availability of coal and gas by increasing indigenous production and creating a suitable policy framework. It was emphasised that the availability of adequate coal was most important for sustaining power supply and accelerated capacity addition in a sector dominated by thermal power. Without availability of coal quantity as committed by CIL, the Power Sector faces a very bleak and uncertain future, which was a matter of grave concern for all the stake holders and requires urgent remedial action. This will affect not only the value chain of the power sector- generation, transmission & distribution - but also the exposure of funds given to this Sector by Financial Institutions. Considering that this had a direct impact on the financial health of the distribution sector and Governments efforts in achieving the goal of providing sustainable electricity to all consumers, the State Power Ministers requested and authorised the Minister of State for Power (I/C), Government of India to take up the issue of inadequate coal supply with Honourable Prime Minister for his early intervention.

The Conference unanimously resolved that the States and Centre would continue to work together to ensure Electricity for All and adopted the following Resolutions :

Access to Electricity for All RGGVY

1. State Governments would ensure that all RGGVY villages will be energized within 3 months of electrification.
2. State Governments would ensure that remaining work of rural electrification already approved under RGGVY including DDG works will be completed by December 2013.
3. States Governments would ensure supply of quality power for a minimum of 6-8 hours under the RGGVY area.
4. States will establish a database of all electrified and un-electrified habitations to enable their being considered for electrification during 12th Plan. Before proposing such villages under RGGVY, States will ensure that proper plan is

made and resources allocated for creating or strengthening back-up transmission and distribution system.

R-APDRP

5. State Governments would ensure to complete the activity of appointing contracting agencies for all sanctioned Part-B projects within next 6 months.
6. States will accelerate the implementation of RAPDRP so as to integrate all towns under Part-A by December 2013 and complete at least 60% of sanctioned Part-B works by March 2014.
7. State Governments would ensure that they will take administrative measures to reduce AT&C loss at least by 3% in next six months in the towns which have been integrated with Data Center after completion of Part-A of R-APDRP work and further resolved to reduce AT&C losses by 5% in one year in such towns.

Distribution Sector Reforms

8. State Governments would ensure the accounts of the utilities upto 2011-12 are audited and finalised by March 2013 and that in future the accounts of a financial year are audited by September of the following financial year as per the Companies Act.
9. States would ensure that Discoms file multi-year tariff petition and that SERCs announce multi-year tariff as per the National Tariff Policy.
10. Discoms to prepare a road map for implementing TOD tariff and metering; submit the same to SERCs within the next six months and obtain orders for a suitable tariff structure for encouraging the same.
11. The State Governments would get a time bound action plan prepared for computerization of accounts of the Power Utilities, if not already done, and send the same to the Ministry of Power within three months and would take up its implementation on priority so as to complete the work of computerization by March 2014.
12. The State governments would clear the outstanding subsidies to the utilities by March 2013 and also ensure that all outstanding electricity bills of government departments and local bodies funded by the State Government are paid up to date by March 2013 or release the payment from the State budget directly.
13. State Governments would prepare schemes to take advantage of the National Electricity Fund launched by Government of India.

Procurement of Power

14. States will invite bids for procurement of power to meet the uncovered gap in power demand within the next six months through Case I bidding.

15. State Governments would prepare plans covering generation and transmission infrastructure for all time horizons and would procure about 90% power of their requirement under long-term / medium term and only uncertainties would be met from the short term market.

Planned and Secure Transmission System

16. States resolve to plan, build and strengthen the intra-state transmission and sub-transmission systems so as to facilitate meeting of the consumer demand.
17. States would ensure availability of adequate funds annually so as to complete the transmission sector state targets set for the year.
18. All states would control transmission line flows and avoid overdrawal thereby ensuring compliance to the Grid Standards and Grid Code by all State entities. The SLDCs would be directed to closely monitor this and ensure appropriate action to ensure grid compliance under the Electricity Act 2003.
19. State Governments shall put in place proper defense plans and protection systems to ensure integrated operation of the National/Regional Grids. Defense plans of the states must include islanding schemes, under frequency relays, rate of change of frequency relays, special protection schemes and automatic demand management schemes for load shedding for which the states shall maintain and install required protection systems, system protection schemes and other equipments for secure grid transmission. The defense plans shall also include restoration procedures that shall be updated and reviewed regularly.
20. State Governments would take all necessary steps for ensuring strengthening of the State Load Despatch Centres and capacity building of system operators

Energy Efficiency initiatives

21. State Governments will adopt the ECBC codes within 2013-14.
22. State Governments would create an enabling environment so that the PAT targets assigned to the State Utilities are achieved by them by 2014-15.
23. State Governments would issue notification making new agricultural pump-sets to be installed to conform to the energy performance standards of BEE 4 Star rated product and to introduce mechanism to integrate star rated energy efficient pump-sets in existing State/Central level pump-sets promotion schemes operational in the State.
24. States will utilize State Energy Conservation Funds (SECF) through innovative mechanism.
25. States would set up Demand Management Cells if not already set up in their DISCOMs to coordinate energy conservation measures with the State Designated Agency. They further resolved to prepare action plans for DSM for their States by June 2013.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2885
ANSWERED ON 14.03.2013

INITIATIVES FOR POWER GENERATION

2885. SHRI SAMEER BHUJBAL:

Will the Minister of POWER
be pleased to state:

- (a) the details of the initiatives taken for sufficient power generation in the country through the schemes launched by the Prime Minister during the year 2003;
- (b) the details of the schemes for which the preliminary feasibility reports have been prepared, State and capacity-wise; and
- (c) the schemes planned to be taken up during the 12th Five Year Plan period, state wise?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Under the 50,000 MW initiative launched by the Government in 2003-04, a total of one hundred and sixty-two hydroelectric projects (HEPs), spread over Sixteen States have been taken up for the purpose of preparation of Preliminary Feasibility Reports (PFRs) with Central Electricity Authority (CEA) as the nodal agency. The PFRs for projects with Installed Capacity of 47,930 MW were completed in September 2004. The State-wise details of these projects are given at Annex.

(c) : Of the above 162 schemes, Four are presently under construction:

S. No.	Name of Project	State	Implementing Agency	I.C. as per PFR (MW)	I.C. under construction (MW)
1	Lata Tapovan	Uttarakhand	NTPC	310	171
2	Tidong-I	Himachal Pradesh	NSL Tidong Power Gen. Ltd.	60	100
3	Dikchu	Sikkim	Sneha Kinetic Power proj. Pvt. Ltd.	105	96
4	Rongnichu	Sikkim	Madhya Bharat Power Corp. Ltd.	195	96
			Total :	670	463

ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 2885 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

PFRS under 50 000 MW Hydroelectric Initiative
State-wise List of Schemes

	Scheme	Installed Capacity (MW)
<u>Andhra Pradesh</u>		
1	Pondugala	81
	Total (Andhra Pradesh) 1 schemes	81
<u>Arunachal Pradesh</u>		
2	Agoline	375
3	Amulin	420
4	Ashupani	30
5	Attunli	500
6	Badao	120
7	Bhareli-I	1120
8	Bhareli-II	600
9	Chanda	110
10	Demwe	3000
11	Dengser	552
12	Dibbin	100
13	Duimukh	150
14	Elango	150
15	Emini	500
16	Emra-II	390
17	Etabue	165
18	Etalin	4000
19	Hirong	500
20	Hutong	3000
21	Kalai	2600
22	Kameng Dam	600
23	Kapakleyak	160
24	Kurungl&II	330
25	Mihumdon	400
26	Mirak	141
27	Naba	1000
28	Nalo	360
29	Naying	1000
30	Niare	800
31	Oju-I	700
32	Oju-II	1000
33	Pakke	110
34	Papu	200
35	Phanchung	60
36	Ringong	150
37	Sebu	80
38	Simang	90

39	Talong	300
40	Tarangwarang	30
41	Tato-II	700
42	Tenga	600
43	Utung	100
	Total (Arunachal Pr.) 42 schemes	27293
<u>Chhattisgarh</u>		
44	Kotri	150
45	Nugur-I	170
46	Nugur-II	210
47	Rehar-I	171
48	Rehar-II	147
	Total (Chhattisgarh) - 5 schemes	848
<u>Himachal Pradesh</u>		
49	Bajoli Holi	180
50	Bardang	114
51	Chamba	126
52	Chhatru	108
53	Gharopa	114
54	Gondhala	144
55	Jangi Thopan	480
56	Khab-I	450
57	Khab-II	186
58	Khoksar	90
59	Luhri	465
60	Thopan Powari	480
61	Tidong-I	60
62	Tidong-II	70
63	Yangthang	261
	Total (Himachal Pr.) 15 schemes	3328
<u>Jammu & Kashmir</u>		
64	Barinium	240
65	Bichlari	35
66	Dumkhar	45
67	Kanyunche	45
68	Karkit	30
69	Kawar	320
70	Khalsi	60
71	Kiru	430
72	Ratle	560
73	Shamnot	370
74	Shuas	230
75	Takmaching	30
76	Ujh	280
	Total (J & K) - 13 schemes	2675
<u>Karnataka</u>		
77	Agnashini	600
78	Gangavali	400
79	Gundia	300
80	Kalinadi Stage-III	300
81	Tamankal	300
	Total (Karnataka) - 5 schemes	1900

<u>Kerala</u>		
82	Karappara Kuriarkutty PH1 PH2	66
83	Perianjakully	60
	Total (Kerala) - 2 schemes	126
<u>Madhya Pradesh</u>		
84	Basania	90
85	Bauras	55
86	Hoshangabad	60
	Total (Madhya Pradesh) - 3 schemes	205
<u>Maharashtra</u>		
87	Ghargaon	52
88	Hiranyakeshi	18
89	Kadvi	22
90	Kasari	25
91	Kumbhi	17
92	Kunghara	72
93	Pranhita	48
94	Samda	52
95	Wainganga	105
	Total (Maharashtra) - 9 schemes	411
<u>Manipur</u>		
96	Khongnum Chakka st.-II	67
97	Nunglieban	105
98	Pabaram	190
	Total (Manipur) - 3 Nos. schemes	362
<u>Meghalaya</u>		
99	Mawblei	140
100	Mawhu	120
101	Mawput	21
102	Nongkolait	120
103	Nongnam	50
104	Rangmaw	65
105	Selim	170
106	Sushen	65
107	Umduna	57
108	Umjaut	69
109	Umngi	54
	Total (Meghalaya) - 11 Nos. schemes	931
<u>Mizoram</u>		
110	Boinu	640
111	Lungleng	815
112	Tlawng	45
	Total (Mizoram) - 3 Nos. schemes	1500
<u>Nagaland</u>		
113	Dikhu	140
114	Tizu	150
115	Yangnyu	40
	Total (Nagaland) - 3 Nos. schemes	330
<u>Orissa</u>		
116	Baljori	178
117	Lower Kolab	465

118	Naraj	287
119	Tikarpara	259
	Total (Orissa) - 4 Nos. schemes	1189
<u>Sikkim</u>		
120	Dikchu	105
121	Lachen	210
122	Lingza	120
123	Panan	200
124	Rangyong	141
125	Ringpi	70
126	Rongni Storage	195
127	Rukel	33
128	Talem	75
129	Teesta-I	320
	Total (Sikkim) - 10 Nos. schemes	1469
<u>Uttarakhand</u>		
130	Arakot Tiuni	72
131	Badrinath	140
132	Bagoli Dam	72
133	Bhaironghati	65
134	Bogudiyar - Sirkari Bhyal	170
135	Bokang Baling	330
136	Chhunger - Chal	240
137	Deodi	60
138	Devsari	300
139	Gangotri	55
140	Garba Tawaghat	630
141	Gohana Tal	60
142	Harsil	210
143	Jadh Ganga	50
144	Jakhol Sankri	33
145	Jelam Tamak	60
146	Kalika Dantu	230
147	Karmoli	140
148	Khartoi Lumti Talli	55
149	Lata Tapovan	310
150	Maleri Jelam	55
151	Mapang - Bogudiyar	200
152	Naitwar-Mori	33
153	Nand Prayag	141
154	Ramganga	66
155	Rishi Ganga - 1	70
156	Rishi Ganga - II	35
157	Rupsiabagar Khasiyabara	260
158	Sela Urthing	230
159	Sirkari Bhyol Rupsiabagar	210
160	Taluka Sankri	140
161	Tamak Lata	280
162	Urthing Sobla	280
	Total (Uttaranchal) - 33 Nos. schemes	5282
	Grand Total - 162 Nos. schemes	47930

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2887
ANSWERED ON 14.03.2013

TRANSMISSION AND DISTRIBUTION LOSSES

†2887. SHRI KAMLESH PASWAN:
SHRIMATI ANNU TANDON:

Will the Minister of POWER
be pleased to state:

- (a) the revenue loss incurred in the transmission and distribution of power during the last three years and the current year, year-wise;
- (b) the steps taken by the Government to modernize the State Electricity Boards (SEBs) specifically in order to reduce leakages and Transmission and Distribution (T&D) losses;
- (c) if so, the details thereof;
- (d) whether the Government is actively considering the implementation of a nationwide smart grid network; 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) : As per PFC report on "Performance of state Power Utilities for the years 2008-09 to 2010-11", based on the account details provided by the utilities, many utilities selling directly to consumers have incurred losses during the period 2008-09 to 2010-11. Details are given in Annex-I.

(b) & (c) : Distribution of power is the responsibility of the Discoms. Central Government acts as a facilitator in supplementing the efforts of States to provide power to consumers in an improved manner.

.....2.

The steps taken by the Union Government to improve distribution sector and to reduce the losses of SEBs/power distribution companies of the country are given in Annex-II.

(d) & (e) : Ministry of Power, Government of India has set up a Smart Grid Forum and India Smart Grid Task Force. The India Smart Grid Task Force is an inter-ministerial group under the Chairmanship of Shri Sam Pitroda, Adviser to Prime Minister on Public Information Infrastructure & Innovation.

On the recommendations of India Smart Grid Task Force, Ministry of Power has shortlisted 14 Smart Grid pilot projects in different DISCOMS. Implementation of these pilots would be taken up on continuation of R-APDRP in 12th Plan and also as per availability of funds for Smart Grid pilot projects.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2887 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

PROFIT AND LOSS DETAILS FOR UTILITIES SELLING DIRECTLY TO CONSUMERS DURING 2008-09 TO 2010-11
(Rs. in Cr)

Region	State	Utility	2008-09		2009-10		2010-11	
			Profit (Loss) on accrual basis	Profit (Loss) on subsidy received basis	Profit (Loss) on accrual basis	Profit (Loss) on subsidy received basis	Profit (Loss) on accrual basis	Profit (Loss) on subsidy received basis
Eastern	Bihar	BSEB	-1,005	-1,005	-1,412	-1,412	-1,332	-1,332
	Jharkhand	JSEB	-1,048	-1,048	-707	-707	-723	-723
	Orissa	CESCO	-125	-125	-146	-146	-150	-150
		NESCO	-0	-0	-28	-28	-72	-72
		SESCO	-36	-36	-40	-40	-19	-19
		WESCO	13	13	-27	-27	-38	-38
	Sikkim	Sikkim PD	10	10	-9	-9	-38	-38
West Bengal	WBSEDCL	39	39	71	71	95	95	
North Eastern	Arunachal Pradesh	Arunachal PD	-48	-48	-212	-212	-182	-182
	Assam	CAEDCL	-13	-13				
		LAEDCL	-15	-15				
		UAEDCL	-19	-19				
		APDCL			-319	-319	-446	-446
	Manipur	Manipur PD	-113	-113	-87	-87	-134	-134
	Meghalaya	MeSEB	10	10	-56	-56		
		MeECL					-91	-91
	Mizoram	Mizoram PD	-72	-72	-139	-139	-158	-158
	Nagaland	Nagaland PD	-68	-68	-108	-108	-159	-159
Tripura	TSECL	49	38	2	-11	-126	-130	
Northern	Delhi	BSES Rajdhani	-108	-108	187	187	388	388
		BSES Yamuna	58	58	77	77	155	155
		NDPL	171	171	351	351	258	258
	Haryana	DHBVNL	-265	-265	-633	-680	-393	-556
		UHBVNL	-1,218	-1,218	-912	-912	-129	-129
	Himachal Pradesh	HPSEB	32	32	-153	-153	-122	-122
		HPSEB Ltd.					-389	-389
	Jammu & Kashmir	J&K PDD	-1,316	-1,316	-2,106	-2,106	-2,167	-2,167
	Punjab	PSEB	-1,041	-1,041	-1,302	-1,302		
		PSPCL					-1,482	-1,482
	Rajasthan	AVVNL	-0	-2,403	0	-3,924	0	-3,071
		JDVVNL	0	-2,185	0	-3,169	0	-3,069
		JVVNL	0	-2,227	-0	-3,913	0	-3,389
	Uttar Pradesh	DVVN	-974	-974	-1,707	-1,707	-1,117	-1,117
		KESCO	-152	-152	-181	-181	-73	-73
		MVVN	-418	-418	-1,040	-1,040	-348	-348
		Pash VVN	-612	-612	-1,188	-1,188	-304	-304
Poorv VVN		-1,346	-1,346	-1,170	-1,170	-969	-969	
Uttarakhand	Ut PCL	-355	-355	-527	-527	-219	-219	
Southern	Andhra Pradesh	APCPDCL	13	-2,780	36	-1,198	3	-778
		APEPDCL	14	-531	18	-435	13	-572
		APNPDCL	6	-1,191	7	-892	7	-409
		APSPDCL	11	-1,485	4	-1,116	3	-418

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	Karnataka	BESCOM	-588	-588	12	112	0	0
		CHESCOM	-221	-280	-74	-318	11	11
		GESCOM	-198	-198	-31	-31	61	61
		HESCOM	-560	-560	-174	-174	-65	-65
		MESCOM	-41	-41	9	-14	2	2
	Kerala	KSEB	217	217	241	241	241	241
	Puducherry	Puducherry PD	-80	-80	-47	-47	-134	-134
	Tamil Nadu	TNEB	-7,771	-8,021	-10,295	-10,295	-6,273	-6,273
		TANGEDCO					-6,202	-6,202
Western	Chhattisgarh	CSEB	764	764				
		CSPDCL	74	74	-314	-314	-468	-468
	Goa	Goa PD	158	158	16	16	-79	-79
	Gujarat	DGVCL	3	3	22	22	63	63
		MGVCL	5	5	17	17	25	25
		PGVCL	1	1	4	4	3	3
		UGVCL	6	6	6	6	13	13
	Madhya Pradesh	MP Madhya Kshetra VVCL	-574	-574	-779	-779	-605	-605
		MP Paschim Kshetra VVCL	-833	-833	-1,433	-1,433	-578	-578
		MP Purv Kshetra VVCL	-1,077	-1,077	-1,131	-1,131	-974	-974
	Maharashtra	MSEDCL	-902	-902	-1,085	-1,085	-1,505	-1,505

(Source: PFC's Report on Performance of State Power Utilities for 2008-09 to 2010-11")

ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 2887 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

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.33832.17Cr. (Part-A: Rs.6713.08 Crs. covering 1401 towns and 65 SCADA projects in 65 towns; Part-B: Rs.27119.09 Crs. 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 Governments 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 reverse 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 Govt. 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.2889
ANSWERED ON 14.03.2013

AWARD OF CONTRACT BY DVC

2889. SHRI SUSHIL KUMAR SINGH:

Will the Minister of POWER be pleased to refer to the reply given to USQ No. 4447 on 20 December, 2012 on alleged violations of norms in awarding civil contracts by Damodar Valley Corporation (DVC) to M/s NBCC and to state:

- (a) the details of the violations of the norms of Chief Vigilance Commission; and
- (b) the progress and the present status of investigation by the Chief Vigilance Officer, DVC in the matter?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : In preliminary investigation, it was prima facie observed that works assigned to M/s. NBCC were in deviation of CVC guidelines issued vide Circular No. 23/7/07 dated 05.07.2007. The detailed investigation is underway.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2904
ANSWERED ON 14.03.2013

KELKAR COMMITTEE RECOMMENDATIONS

2904. SHRI CHAUDHARY LAL SINGH:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government is considering to implement the Kelkar Committee recommendations to increase the electricity prices;
- (b) if so, the details of the recommendations of the committee; and
- (c) the details of the recommendations that have been accepted and proposed to be implemented?

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. The Committee on Roadmap for Fiscal Consolidation under the Chairmanship of Shri Vijay Kelkar was constituted by Ministry of Finance, Government of India for outlining a Roadmap for fiscal consolidation in medium term framework in pursuit of F.R.B.M. Act and related targets. The Committee has not dealt with the issue of electricity pricing.

(c) : Government took set of reforms, while implementing the recommendations made by the Kelkar Committee, which have resulted in retaining fiscal deficit at 5.2 percent of Gross Domestic Product (GDP) at Revised Estimates 2012-13. Besides, Government has decided on adoption of the following plan of fiscal consolidation during the period from 2013-14 to 2016-17 at 4.8%, 4.2%, 3.6% and 3.0% respectively as percent of GDP.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2908
ANSWERED ON 14.03.2013

BAN ON HYDEL POWER PROJECTS

†2908. SHRI TUFANI SAROJ:

Will the Minister of POWER
be pleased to state:

- (a) whether there is any ban on construction of hydel power projects in the Northern and North-Eastern States; and
- (b) if so, the details thereof and the time by which the said ban is likely to be lifted?

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) : Does not arise.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2934
ANSWERED ON 14.03.2013

NTPC POWER PROJECT

2934. SHRI SULTAN AHMED:

Will the Minister of POWER
be pleased to state:

- (a) the present status of the Katwa Thermal Power Project of National Thermal Power Corporation Limited (NTPC) in West Bengal;
- (b) the details of the land required and already acquired for setting up of this power project along with the mechanism being adopted by the NTPC for acquisition of land therefor;
- (c) whether the NTPC proposes to acquire the remaining land through private route for setting up of the project; and
- (d) 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) : Transfer of Katwa Project to NTPC has been approved by Cabinet of Government of West Bengal on 18.4.2012 and Feasibility Report is under preparation by NTPC. Application for coal linkage has been submitted to Ministry of Coal on 04.03.2011, however, coal linkage is yet to be accorded. The application to Ministry of Environment & Forests (MoEF) for environment clearance can be submitted only after coal linkage is accorded.

(b) : The total land required is about 700 acres. About 556 acres of land has already been acquired by West Bengal Power Development Corporation Ltd. (WBPDC), Government of West Bengal (GoWB) for the project. However, NTPC has requested GoWB for acquisition of balance land for ash pond, railway corridor and

make up water pump house at Bhagirathi river end, as per provisions of the Land Acquisition Act and transfer to NTPC.

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(c) : No, Madam.

(d) : NTPC is a Government of India Enterprise and as per the present Land Acquisition Act/ respective State Acts, land for its projects is acquired by the State Governments. Even in the proposed Land Acquisition Resettlement and Rehabilitation Bill 2011, NTPC being a Public Sector Undertaking (PSU) has been classified in the category of 'Government and Public Sector Companies or Corporations' under 'Public Purpose' for setting up power projects for which land acquisition will be done through the State Government.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2947
ANSWERED ON 14.03.2013

AUDIT-OF POWER COMPANIES

†2947. SHRIMATI USHA VERMA:
SHRIMATI SUSHILA SAROJ:
SHRIMATI SEEMA UPADHYAY:
SHRI HARSH VARDHAN:

Will the Minister of POWER
be pleased to state:

- (a) the details of the companies which have been sanctioned transmission licences by the Central Electricity Regulatory Commission (CERC) along with the details of the auditors appointed by the CERC for audit of accounts of those companies;
- (b) whether the conditions of issuing licences includes the obligation of getting their audit done by the Comptroller and Auditor General (C&AG) to enable an independent inquiry of such companies and information regarding overcharging from consumers may come into light;
- (c) if so, the details thereof and if not, the reasons therefor;
- (d) the details of those companies whose audit has been done by the C&AG along with the details of the audit of power distribution companies of Delhi done till date and the agencies which have conducted them;
- (e) whether losses have been reported in the said audits; and
- (f) 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) : As per the information provided by the Central Electricity Regulatory Commission (CERC), 17 companies none of which are Government companies have been granted inter-state transmission licences by the CERC during the period from November, 2003 to October, 2011. The list is enclosed at Annex.

(b) & (c) : The CERC Regulations on Terms and Conditions of Transmission Licence do not provide for audit of transmission companies by C&AG. The transmission licensees regulated by CERC recover charges on the basis of the tariffs determined and the regulations specified by CERC.

(d) to (f) : As per Section 619 of the Companies Act, 1956, an auditor of a Government company shall be appointed by the C&AG and the auditor shall audit the accounts under the control and directions of C&AG. The Government owned transmission licensees are required to get their audit done by an auditor appointed by the C&AG.

ANNEX

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2947
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

LIST OF INTER-STATE TRANSMISSION LICENSEES

S. No./ Licence No.	Petition No.	Name of organization	Date of issue of order	Date of issue of licence.
1.	40/2003	Powerlinks Transmission Ltd.	22.10.2003	Licence issued on 13.11.2003
2.	97/2006	Torrent Power Transmission Private Limited	16.5.2007	Licence issued on 16.5.2007
3.	44/2007	Jaypee Power grid Limited (JPPGL)	1.10.2007	Licence issued on 1.10.2007
4.	157/2007	Essar Power Transmission Company Ltd.	10.4.2008	Licence issued on 10.4.2008
5.	32/2008	ParbatiKoldam Transmission Company Limited	15.9.2008	Licence issued on 15.9.2008
6.	27/2008	Western Region Transmission (Maharashtra) Pvt. Ltd.	30.12.2008	Licence issued on 30.12.2008
7.	28/2008	Western Region Transmission (Gujarat) Pvt. Ltd.	30.12.2008	Licence issued on 30.12.2008
8.	116/2008	Teestavalley Power Transmission Ltd. New Delhi	14.5.2009	Licence issued on 14.5.2009
9.	16/2009	North East Transmission Company Ltd, New Delhi	16.6.2009	Licence issued on 16.6.2009
10.	131/2010	East-North Inter-connection Company Limited.	28.10.2010	Licence issued on 28.10.2010
11.	146/2010	Talcher-II Transmission Company Ltd., New Delhi	8.11.2010	Licence issued on 8.11.2010
12.	31/2010	Cross Border Power Transmission Company Limited, Gurgaon	1.12.2010	Licence issued on 1.12.2010
13.	171/2010	North Karanpura Transmission Company Ltd, New Delhi	16.12.2010	Licence issued on 16.12.2010
14.	105/2010	Jindal Power Limited, Chhattisgarh	9.5.2011	Licence issued on 9.5.2011
15.	5/2011	Raichur Sholapur Transmission Company Limited	24.8.2011	Licence issued on 24.8.2011
16.	107/2011	Jabalpur Transmission Company Limited, New Delhi	12.10.2011	Licence issued on 12.10.2011
17.	110/2011	Bhopal-Dhule Transmission Company Ltd., New Delhi	12.10.2011	Licence issued on 12.10.2011

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2953
ANSWERED ON 14.03.2013

FUNDS FOR POWER PROJECTS

2953. SHRI AMBICA BANERJEE:
SHRI WAKCHAURE BHAUSAHEB RAJARAM:
DR. PADMASINHA BAJIRAO PATIL:

Will the Minister of POWER
be pleased to state:

(a) the details of the power projects under construction in the country with the assistance of the World Bank, Asian Development Bank and other international agencies, State/UT-wise;

(b) the funds allocated by these agencies for each project and broad features of the terms and conditions thereof including the rate of interest being charged by these agencies and the conditions for repayment thereof;

(c) the time-frame by which these projects are likely to be constructed along with the estimated expenditure likely to be incurred on each of these projects;

(d) whether any proposal for seeking more financial assistance from these foreign agencies for improving power supply in the country is presently under consideration; 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) to (c) : A statement is Annexed.

(d) & (e) : Government of India has recommended following power projects to external funding agencies:

Sl. No.	Project	Funding Agency	Tentative Loan Amount
1.	North Eastern Region Power System Improvement Project/Assam, Manipur, Meghalaya, Mizoram, Nagaland and Tripura	World Bank	USD 1500 Million
2.	Luhri HEP/SJVN Ltd.	World Bank	USD 600 Million
3.	Rajasthan Renewable Energy Transmission project/Rajasthan	Asian Development Bank (ADB)	USD 500 Million
4.	1x660 MW DCR Thermal Power Project / Haryana	Japan International Cooperation Agency(JICA)	Rs. 2310 Crore
5.	Anta Solar TPP/NTPC	KfW	Euro 40 Million
6.	R&M of Nasik Thermal Power Project (1x220MW)/ Maharashtra and Kolaghat Thermal Power Project (1x220MW)/West Bengal	KfW	Euro 90 Million

ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 2953 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

E. No.	NAME OF PROJECT/ EXECUTING AGENCY	STATE	FUNDING AGENCY (CURRENCY)	LOAN AMOUNT (Million)	TERMS AND CONDITIONS OF LOAN	LIKELY COMPLETION DATE	LIKELY ESTIMATED EXPENDITURE (Rs. CRORES)
1	IDP 178 Transmission System Modernization in Hyderabad/ APTRANSCO	ANDHRA PRADESH	JICA(JY)	23697.00	Rate of Interest 0.75% p.a., Repayment 20 years including grace period of 5 years	11/07/2014	1738.52
2	IDP- 216 A.P. RURAL HIGH VOLTAGE DISTRIBUTION SYSTEM/ APTRANSCO		JICA(JY)	18590.00	Rate of Interest 0.75% p.a., Repayment 20 years including grace period of 5 years	16/06/2019	133.85
3	200166298---2*800 MW KRISHNAPATNAM TPP/ APPDCL		KfW(EURO)	281.00	Rate of Interest 5.31% p.a., Repayment 10 years including grace period of 5 years	31/03/2013	8778.00
4	IDP-2592 ASSAM POWER SECOR DEVELOPMENT PROG I/ ASEB	ASSAM	ADB(USD)	60.30	Rate of Interest LIBOR plus 0.6%, Repayment 25 years including grace period of 5 years	31/12/2016	1342.85
5	IDP-2677 ASSAM POWER SECOR DEVELOPMENT PROG II / ASEB		ADB(USD)	89.70			
6	IDP-2800 ASSAM POWER SECOR DEVELOPMENT PROG III/ ASEB		ADB(USD)	50.00			
7	2681-IND BIHAR POWER SYSTEM IMPROVEMENT PROJECT/ BSEB	BIHAR	ADB(USD)	132.20	Rate of Interest LIBOR plus 0.6%, Repayment 25 years including grace period of 5 years	30/06/2016	887.63
8	7748- IN HARYANA POWER SECTOR DEVELOPMENT PROGRAMME/ HVPNL & DHBVNL	HARYANA	IBRD(USD)	330.00	Rate of Interest LIBOR plus 0.3%, Repayment 30 years including grace period of 5 years	31/12/2014	2215.71
9	IDP- 190 EHV TRANSMISSION SYSTEM IN HARYANA/ REC		JICA (JY)	20902.00	Rate of Interest 0.65% p.a., Repayment 20 years including grace period of 5 years	24/07/2014	1534.75
10	2778-GUJARAT SOLAR POWER TRANSMISSION PROJECT/ GETCO	GUJARAT	ADB(USD)	80.00	Rate of Interest LIBOR plus 0.6%, Repayment 25 years including grace period of 5 years	31/03/2015	537.14
11	2461 H.P. CLEAN ENERGY DEVELOPMENT INVESTMENT PROG-I/ HPPCL	HIMACHAL PRADESH	ADB(USD)	150.00	Rate of Interest LIBOR plus 0.6%, Repayment 25 years including grace period of 5 years	30/06/2018	6304.00
12	2596 H.P. CLEAN ENERGY DEVELOPMENT INVESTMENT PROG-II/ HPPCL		ADB(USD)	59.10			
13	2687 H.P. CLEAN ENERGY DEVELOPMENT INVESTMENT PROG- III/ HPPCL		ADB(USD)	208.00			
14	2914 H.P. CLEAN ENERGY DEVELOPMENT INVESTMENT PROG- IV/ HPPCL		ADB(USD)	315.00			
15	CO- FINANCING FOR SHONGTOM KARCHAM HEP		KfW(EURO)	150.00	Rate of Interest 3.83% p.a., Repayment 15 years including grace period of 5 years	30/06/2018	
16	2794-I HIMACHAL PRADESH CLEAN ENERGY TRANSMISSION PROG. PRJ-1/HPTCL		ADB(USD)	113.00	Rate of Interest LIBOR plus 0.6%, Repayment 25 years including grace period of 5 years	30/06/2018	839.42

17	IDP-177 BANGALORE DISTRIBUTION UPGRADATION PROJECT/ BESCOM	KARNATAKA	JICA(JY)	10643.00	Rate of Interest 0.75% p.a., Repayment 20 years including grace period of 5 years	11/07/2015	780.82
18	2346 IND M.P. POWER DEVELOPMENT PROGRAMME- III/ MPPTCL	MADHYA PRADESH	ADB(USD)	144.00	Rate of Interest LIBOR plus 0.6%, Repayment 25 years including grace period of 5 years	31/03/2013	966.85
19	2347 IND M.P. POWER DEVELOPMENT PROGRAMME- IV / Discoms E,W,C		ADB(USD)	90.00		31/03/2013	604.28
20	2520 IND M.P. POWER DEVELOPMENT PROGRAMME- V / Discoms E,W,C		ADB(USD)	166.00		30/06/2014	1114.57
21	2732 IND M.P. POWER DEVELOPMENT PROGRAMME- VI / Discoms E,W,C		ADB(USD)	69.00		30/06/2014	512.57
22	2764 IND M.P. ENERGY EFFICIENCY IMPROVEMENT INVESTMENT PROG- I/ Discoms E,W,C		ADB(USD)	200.00		28/02/2015	2971.42
23	2830 IND M.P. ENERGY EFFICIENCY IMPROVEMENT INVESTMENT PROG- II/ Discoms E,W,C		ADB(USD)	200.00			
24	IDP-217 M.P. TRANSMISSION SYSTEM MODERNIZATION PROJECT/ MPPTCL	MADHYA PRADESH	JICA(JY)	18475.00	Rate of Interest 0.5% p.a., Repayment 26 years including grace period of 6 years	22/09/2018	1355.42
25	IDP- 188 MAHARASHTRA TRANSMISSION SYSTEM/ MSETCL	MAHARASHTRA	JICA (JY)	16749.00	Rate of Interest 0.75% p.a., Repayment 20 years including grace period of 5 years	28/11/2014	1228.78
26	IDP-224 Tamil Nadu Transmission System Improvement Project/ TNEB	TAMIL NADU	JICA (JY)	60740.00	Rate of Interest 0.55% p.a., Repayment 30 years including grace period of 10 years	23/01/2020	4456.18
27	2309- IND UTTARAKHAND POWER DEVELOPMENT PROJECT 1/ UJVNL	UTTARAKHAND	ADB(USD)	41.92	Rate of Interest LIBOR plus 0.6%, Repayment 25 years including grace period of 5 years	30/06/2014	269.48
28	2498- IND UTTARAKHAND POWER DEVELOPMENT PROJECT 2/ PTCUL		ADB(USD)	62.40		30/06/2014	
29	2502 - IND UTTARAKHAND POWER DEVELOPMENT PROJECT 3/ PTCUL		ADB(USD)	30.60		30/06/2014	
30	RENEWABLE ENERGY PROGRAMME FOR R&M OF HEPS/ PFC			KfW(EURO)	45.00	Rate of Interest Eurobor plus 1.3% p.a., Repayment 12 years including grace period of 5 years	30/06/2015
31	4890- IN POWER SECTOR DEVELOP.PROJ.-IV/ PGCIL	MULTISTATES	IBRD (USD)	600.00	Rate of Interest LIBOR plus 0.3%, Repayment 20 years including grace period of 5 years	31/07/2013	3857.14
32	7593- IN - ADDITIONAL FINANCING POWER SECTOR DEV.PROJ.-IV/ PGCIL	MULTISTATES	IBRD (USD)	400.00	Rate of Interest LIBOR plus 0.3%, Repayment 30 years including grace period of 4 years	31/07/2014	2571.43
33	7787- IN POWER SECTOR DEVELOP.PROJ.-V/ PGCIL	MULTISTATES	IBRD (USD)	1000.00	Rate of Interest LIBOR plus 0.3%, Repayment 29.5 years including grace period of 5 years	30/06/2015	6428.57

34	2152- IND POWER TRANS. SECTOR PROJ. - III/ PGCIL	MULTISTATES	ADB (USD)	400.00	Rate of Interest LIBOR plus 0.6%, Repayment 25 years including grace period of 5 years	31/03/2013	2571.43
35	2415- IND NATIONAL POWERGRID DEVOPMENT INVEST. PROG. PROJ.-1/ PGCIL	MULTISTATES	ADB (USD)	400.00		30/06/2013	2571.43
36	2510- IND NATIONAL POWERGRID DEVOPMENT INVEST. PROG. PROJ.- 2/ PGCIL	MULTISTATES	ADB (USD)	124.00		30/06/2014	885.71
37	2823- IND NATIONAL POWERGRID DEVOPMENT INVEST. PROG. PROJ.-3/ PGCIL	MULTISTATES	ADB (USD)	76.00		30/09/2014	542.85
38	2788- IND NATIONAL POWERGRID DEVOPMENT INVEST. PROG. PROJ.-4/ PGCIL	MULTISTATES	ADB (USD)	500.00		30/06/2016	3714.28
39	RURAL CLEAN ENERGY DEVELOPMENT PROJECT/ REC	MULTISTATES	KfW (EURO)	100.00	Rate of Interest 1.86% p.a., Repayment 12 years including grace period of 3 years	30/12/2017	971.42
40	200765883 Pare HEP/ NEEPCO	MULTISTATES	KfW(EUR O)	80.00	Rate of Interest 3.46% p.a., Repayment 20 years including grace period of 5 years	30/12/2014	777.14
41	4870- IN RAMPUR HEP/ SJVNL	MULTISTATES	IBRD (USD)	400.00	Rate of Interest LIBOR plus 0.3%, Repayment 20 years including grace period of 5 years	31/12/2014	2685.71
42	8078- IN VISHNUGAD PIPALKOTI HEP/ THDC	MULTISTATES	IBRD (USD)	648.00	Rate of Interest LIBOR plus 0.3%, Repayment 29 years including grace period of 6 years	31/12/2019	3745.08
43	7687- IN R&M OF COAL FIRED GENERATION REHABILITATION PROJECT/ WBPDC & MSPGCL	MULTISTATES	IBRD/GEF (USD)	225.40	Rate of Interest LIBOR plus 0.3%, Repayment 30 years including grace period of 5 years	31/12/2014	1513.40

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2961
ANSWERED ON 14.03.2013

ELECTRICITY ACT, 2003

2961. SHRIMATI RAMA DEVI:
SHRI PRATAPRAO GANPATRAO JADHAO:
DR. SANJAY SINH:
SHRI HARISH CHAUDHARY:
SHRI PONNAM PRABHAKAR:

Will the Minister of POWER
be pleased to state:

- (a) whether rules and regulations are framed from time to time to reform the process of redressal of complaints and for the balanced growth of the power sector;
- (b) if so, the details thereof along with the details of amendments made to the Electricity Act, 2003 till date;
- (c) the further amendments proposed in the present Electricity Act, 2003;
- (d) whether the Electricity Act, 2003 is not sufficient to dress the issues and the Government intends to repeal the said Act and bring out another Act in the interest of the consumers and for balanced growth of the power sector; and
- (e) if so, the details thereof and the steps proposed to be taken thereon?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (e) : The Electricity Act, 2003 has provisions for protecting the interests of the consumers. The Act has envisaged establishment of a two-tier mechanism for consumer grievance redressal. At the first level, Consumer Grievance Redressal Forums (CGRFs) have been appointed for each distribution licensee based on guidelines specified by the State Commission. Thereafter, an Ombudsman is designated for each State by the State Commission to adjudicate upon any representation made by a consumer aggrieved by non-redressal of the grievance by the CGRF and to settle the grievance in the time and manner prescribed by the State Commission. Most of the State Commissions have specified regulations/guidelines on CGRF and Ombudsman.

Further, it is specified that no provision of the Electricity Act shall have effect in so far as it is in-consistent with any other provisions of the Consumer Protection Act, 1986. The relevant provisions of the Act are at Annex-I. The Central and State Commissions have been empowered to make regulations in line with the Act and the policies. These regulations ensure promotion of competition and safeguarding consumer interests.

Since its enactment in June, 2003, the Electricity Act has been amended twice in 2003 (w.e.f. from 27th January, 2004) and (w.e.f. 15th June 2007). A copy of amendments made in the Act is enclosed as Annex-II.

Based on the recommendations of the Working Group of Power for formulation of 12th Five Year Plan, a Committee has been constituted under Chairperson, CEA to examine and recommend amendment in the Electricity Act, 2003. The final report of the Committee is awaited.

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (e) OF UNSTARRED QUESTION NO. 2961 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

RELEVANT PROVISIONS OF THE ELECTRICITY ACT, 2003

42 (5) Every distribution licensee shall, within six months from the appointed date or date of grant of licence, whichever is earlier, establish a forum for redressal of grievances of the consumers in accordance with the guidelines as may be specified by the State Commission.

42 (6) Any consumer, who is aggrieved by non-redressal of his grievances under sub-section (5), may make a representation for the redressal of his grievance to an authority to be known as Ombudsman to be appointed or designated by the State Commission.

42(7) The Ombudsman shall settle the grievance of the consumer within such time and in such manner as may be specified by the State Commission.

42(8) The provisions of sub-sections (5),(6) and (7) shall be without prejudice to right which the consumer may have apart from the rights conferred upon him by those sub-sections.

173. Nothing contained in this Act or any rule or regulation made thereunder or any instrument having effect by virtue of this Act, rule or regulation shall have effect in so far as it is inconsistent with any other provisions of the Consumer Protection Act, 1986 or the Atomic Energy Act, 1962 or the Railways Act, 1989.

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (e) OF UNSTARRED QUESTION NO. 2961 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

The Gazette of India

EXTRAORDINARY

Part II — Section 1

PUBLISHED BY AUTHORITY

NEW DELHI, TUESDAY, MAY 29, 2007 / JYAISTHA 8, 1929

Separate paging is given to this Part in order that it may be filed as a separate compilation.

MINISTRY OF LAW AND JUSTICE (Legislative

Department)

New Delhi, the 29th May, 2007/Jyaistha 8, 1929 (Saka)

The following Act of Parliament received the assent of the President on the 28th May, 2007, and is hereby published for general information:—

THE ELECTRICITY (AMENDMENT) ACT, 2007

No. 26 OF 2007

[28th May, 2007.]

An Act further to amend the Electricity Act, 2003.

BE it enacted by Parliament in the Fifty-eighth Year of the Republic of India as follows:—

1. (1) This Act may be called the Electricity (Amendment) Act, 2007.

short title and

commencement.

(2) It shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint.

2 THE GAZETTE OF INDIA EXTRAORDINARY [PART II—

Substitution of new section for section 6
Joint responsibility of State Government and Central Government in rural electrification.
Amendment of section 9.

2. For section 6 of the Electricity Act, 2003 (hereinafter referred to as the principal Act), the following section shall be substituted, namely:—

"6. The concerned State Government and the Central Government shall jointly endeavour to provide access to electricity to all areas including villages and hamlets through rural electricity infrastructure and electrification of households."

3. In section 9 of the principal Act, in sub-section (1), after the proviso, the following proviso shall be inserted, namely:—

"Provided further that no licence shall be required under this Act for supply of electricity generated from a captive generating plant to any licensee in accordance with the provisions of this Act and the rules and regulations made thereunder and to any consumer subject to the regulations made under sub-section (2) of section 42."

4. In section 38 of the principal Act, in sub-section (2), in clause (d),—

- (i) in the second proviso, the words "and eliminated" shall be omitted;
- (ii) the third proviso shall be omitted.

5. In section 39 of the principal Act, in sub-section (2), in clause (d),—

- (i) in the second proviso, the words "and eliminated" shall be omitted;
- (ii) the third proviso shall be omitted.

6. In section 40 of the principal Act,—

- (i) in the second proviso, the words "and eliminated" shall be omitted;
- (ii) the third proviso shall be omitted.

7. In section 42 of the principal Act, in sub-section (2),—

(i) in the first proviso, for the words "such open access may be allowed before the cross-subsidies are eliminated on payment of a surcharge", the words "such open access shall be allowed on payment of a surcharge" shall be substituted;

(ii) in the third proviso, the words "and eliminated" shall be omitted.

8. In section 43 of the principal Act, in sub-section (1),—

(i) for the words "Every distribution", the words "Save as otherwise provided in this Act, every distribution" shall be substituted;

(ii) after the second proviso, the following *Explanation* shall be inserted, namely:—

Explanation.—For the purposes of this sub-section, "application" means the application complete in all respects in the appropriate form, as required by the distribution licensee, along with documents showing payment of necessary charges and other compliances:'.
'

9. For section 50 of the principal Act, the following section shall be substituted, namely:—

"50. The State Commission shall specify an electricity supply code to provide for recovery of electricity charges, intervals for billing of electricity charges, disconnection of supply of electricity for non-payment thereof, restoration of supply of electricity, measures for preventing tampering, distress or damage to electrical plant or electrical line or meter, entry of distribution licensee or any person acting on his behalf for disconnecting supply and removing the meter, entry for replacing, altering or maintaining electric lines or electrical plants or meter and such other matters."

Amendment of section 38.
Amendment of section 39.
Amendment of section 40.
Amendment of section 42.
Amendment of section 43.
Substitution of new section for section 50.
The electricity supply code.

10. In section 61 of the principal Act, for clause (g), the following clause shall be substituted, namely:—

Amendment of
section 61

"(g) that the tariff, progressively reflects the cost of supply of electricity and also reduces cross-subsidies in the manner specified by the Appropriate Commission;" ,

11. In section 126 of the principal Act,—

Amendment of
section 126.

(i) for sub-section (3), the following sub-section shall be substituted, namely:—

"(3) The person, on whom an order has been served under sub-section (2), shall be entitled to file objections, if any, against the provisional assessment before the assessing officer, who shall, after affording a reasonable opportunity of hearing to such person, pass a final order of assessment within thirty days from the date of service of such order of provisional assessment, of the electricity charges payable by such person.";

(ii) in sub-section (4), the proviso shall be omitted;

(iii) for sub-section (5), the following sub-section shall be substituted, namely:—

"(5) If the assessing officer reaches to the conclusion that unauthorised use of electricity has taken place, the assessment shall be made for the entire period during which such unauthorised use of electricity has taken place and if, however, the period during which such unauthorised use of electricity has taken place cannot be ascertained, such period shall be limited to a period of twelve months immediately preceding the date of inspection.";

(rv) in sub-section (6), for the words "one-and-half times", the word "twice" shall be substituted;

(v) in the *Explanation* occurring at the end, in clause (b), for sub-clause (rv), the following sub-clauses shall be substituted, namely:—

"(iv) for the purpose other than for which the usage of electricity was authorised; or

(v) for the premises or areas other than those for which the supply of electricity was authorised."

12. In section 127 of the principal Act, in sub-section (2), for the words "one-third of amount", the words "half of the assessed amount" shall be substituted.

the assessed

Amendment of
section 127.

13. In section 135 of the principal Act,—

'Amendment of
section 135.

(A) for sub-section (1), the following sub-sections shall be substituted, namely:—

"(1) Whoever, dishonestly,—

(a) taps, makes or causes to be made any connection with overhead, underground or under water lines or cables, or service wires, or service facilities of a licensee or supplier, as the case may be; or

(b) tampers a meter, installs or uses a tampered meter, current reversing transformer, loop connection or any other device or method which interferes with accurate or proper registration, calibration or metering of electric current or otherwise results in a manner whereby electricity is stolen or wasted; or

(c) damages or destroys an electric meter, apparatus, equipment, or wire or causes or allows any of them to be so damaged or destroyed as to interfere with the proper or accurate metering of electricity; or

(d) uses electricity through a tampered meter; or

(e) uses electricity for the purpose other than for which the usage of electricity was authorised,

so as to abstract or consume or use electricity shall be punishable with imprisonment for a term which may extend to three years or with fine or with both:

Provided that in a case where the load abstracted, consumed, or used or attempted abstraction or attempted consumption or attempted use—

(i) does not exceed 10 kilowatt, the fine imposed on first conviction shall not be less than three times the financial gain on account of such theft of electricity and in the event of second or subsequent conviction the fine imposed shall not be less than six times the financial gain on account of such theft of electricity;

(ii) exceeds 10 kilowatt, the fine imposed on first conviction shall not be less than three times the financial gain on account of such theft of electricity and in the event of second or subsequent conviction, the sentence shall be imprisonment for a term not less than six months, but which may extend to five years and with fine not less than six times the financial gain on account of such theft of electricity:

Provided further that in the event of second and subsequent conviction of a person where the load abstracted, consumed, or used or attempted abstraction or attempted consumption or attempted use exceeds 10 kilowatt, such person shall also be debarred from getting any supply of electricity for a period which shall not be less than three months but may extend to two years and shall also be debarred from getting supply of electricity for that period from any other source or generating station:

Provided also that if it is proved that any artificial means or means not authorised by the Board or licensee or supplier, as the case may be, exist for the abstraction, consumption or use of electricity by the consumer, it shall be presumed, until the contrary is proved, that any abstraction, consumption or use of electricity has been dishonestly caused by such consumer.

(1A) Without prejudice to the provisions of this Act, the licensee or supplier, as the case may be, may, upon detection of such theft of electricity, immediately disconnect the supply of electricity:

Provided that only such officer of the licensee or supplier, as authorised for the purpose by the Appropriate Commission or any other officer of the licensee or supplier, as the case may be, of the rank higher than the rank so authorised shall disconnect the supply line of electricity:

Provided further that such officer of the licensee or supplier, as the case may be, shall lodge a complaint in writing relating to the commission of such offence in police station having jurisdiction within twenty-four hours from the time of such disconnection:

Provided also that the licensee or supplier, as the case may be, on deposit or payment of the assessed amount or electricity charges in accordance with the provisions of this Act, shall, without prejudice to the obligation to lodge the complaint as referred to in the second proviso to this clause, restore the supply line of electricity within forty-eight hours of such deposit or payment.";

(B) in sub-section (2), for the words "Any officer authorised", the words "Any officer of the licensee or supplier as the case maybe, authorised" shall be substituted.

Amendment of section 150.

14, in section 150 of the principal Act, after sub-section (2), the following shall be inserted, namely:—

(3) Notwithstanding anything contained in sub-section (1) of section 135, sub-section (1) of section 136, section 137 and section 138, the licence or certificate of

competency or permit or such other authorisation issued under the rules made or deemed to have been made under this Act to any person who acting as an electrical contractor, supervisor or worker abets the commission of an offence punishable under sub-section (1) of section 135, sub-section (1) of section 136, section 137, or section 138, on his conviction for such abetment, may also be cancelled by the licensing authority:

Provided that no order of such cancellation shall be made without giving such person an opportunity of being heard.

Explanation.— For the purposes of this sub-section, "licensing authority" means the officer who for the time being in force is issuing or renewing such licence or certificate of competency or permit or such other authorisation.'

15. In section 151 of the principal Act, the following provisos shall be inserted, namely:— Amendment of section 151.

2 of 1974.

"Provided that the court may also take cognizance of an offence punishable under this Act upon a report of a police officer filed under section 173 of the Code of Criminal Procedure, 1973:

Provided further that a special court constituted under section 153 shall be competent to take cognizance of an offence without the accused being committed to it for trial."

16. After section 151 of the principal Act, the following sections shall be inserted, insertion of new sections 151A and 151B.

"151 A. For the purposes of investigation of an offence punishable under this Power of police Act, the police officer shall have all the powers as provided in Chapter XII of the to investigate Code of Criminal Procedure, 1973.

2 of 1974.

151B. Notwithstanding anything contained in the Code of Criminal Procedure, Certain offences 1973, an offence punishable under sections 135 to 140 or section 150 shall be cognizable to be cognizable and non-bailable." and nonviable

2 of 1974.

17. In section 153 of the principal Act, in sub-section (1), for the words and figures "sections Amendment of section 153 135 to 139", the words and figures "sections 135 to 140 and section 150" shall be substituted.

18. In section 154 of the principal Act,— Amendment of section 154.

(i) for the words and figures "sections 135 to 139" wherever they occur, the words and figures "sections 135 to 140 and section 150" shall be substituted;

(ii) in sub-section (5), for the words "Special Court may", the words "Special Court shall" shall be substituted.

19. In section 176 of the principal Act, in clause (2), in clause (b), for the brackets and Amendment of section 176 words "(including the capital adequacy, credit worthiness or code of conduct)", the words "relating to the capital adequacy, credit worthiness or code of conduct" shall be substituted.

20. In section 178 of the principal Act, in sub-section (2),— Amendment of section 178.

(l) in clause (k), the words "and elimination" shall be omitted;

(ii) in clause (m), the words "and elimination" shall be omitted;

(Hi) for clause (r), the following clause shall be substituted, namely:—

"(r) the manner for reduction of cross-subsidies under clause (g) of section 61;"

21. In section 181 of the principal Act, in sub-section (2),— Amendment of section 181

(i) in clause (j), the words "and elimination" shall be omitted;

(ii) in clause (m), the words "and elimination" shall be omitted; (ii) in clause (m), the words "and elemination" shall be omitted;

(iii) in clause (p), the words "and elimination" shall be omitted;

(iv) for clause (zc), the following clause shall be substituted, namely:—

"(zc) the manner of reduction of cross-subsidies under clause (g) of section 61;"

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2971
ANSWERED ON 14.03.2013

INSTALLED CAPACITY OF NHPC

2971. SHRI KULDEEP BISHNOI:
SHRI RAVINDRA KUMAR PANDEY:

Will the Minister of POWER
be pleased to state:

- (a) the details of the projects, the total installed capacity and the present generation capacity of the various power projects of National Hydro Power Corporation Limited (NHPC), State-wise;
- (b) the details of such projects of NHPC which have been delayed beyond the scheduled completion date along with their expected completion dates, project-wise;
- (c) whether the State Government of Jammu and Kashmir has offered to buy back the projects of NHPC operating in the State; and
- (d) if so, the details thereof and the reaction 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) : NHPC Limited and its Joint Venture Company NHDC are operating 16 Hydro Power Stations totaling generation capacity of 5570 MW. The details of these Power Stations along with the installed capacity and design energy, State-wise is at Annex-I.

(b) : The details of Projects of NHPC Limited which have been delayed beyond the scheduled completion date along with their expected completion dates are at Annex-II.

(c) & (d) : No offer of Government of J&K for buy back of the Projects of NHPC in J&K State has been received.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2971
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

S No.	Project	Installed Capacity (MW)	Design Energy (MUs)	Status
Jammu and Kashmir				
1.	Salal	690	3082	Commissioned in 1987/1996
2.	Uri - I	480	2587	Commissioned in 1997
3.	Dulhasti	390	1907	Commissioned in 2007
4.	Sewa-II	120	534	Commissioned in 2010
5.	Chutak	44	216	Commissioned in 2013
Uttarakhand				
6.	Tanakpur*	120	452	Commissioned in 1992
7.	Dhauliganga-I	280	1135	Commissioned in 2005
Himachal Pradesh				
8.	Baira Siul	180	779	Commissioned in 1981
9.	Chamera - I	540	1665	Commissioned in 1994
10.	Chamera - II	300	1500	Commissioned in 2004
11.	CHAMERA -III (HP)	231	1108	Commissioned in 2012
Sikkim				
12.	Rangit	60	339	Commissioned in 2000
13.	Teesta - V	510	2573	Commissioned in 2008
Manipur				
14.	Loktak	105	448	Commissioned in 1983
Madhya Pradesh (Joint venture between NHPC and Govt. of Madhya Pradesh)				
15.	Indira Sagar	1000	1980	Commissioned in 2005
16.	Omkareshwar	520	1167	Commissioned in 2007
Total		5570		

*Installed capacity of Tanakpur Power station 120 MW has been de-rated to 94.20 MW

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 2971
TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

S.No.	Name and location of the Project	Installed Capacity (MW)	Design Energy (MUs)	Original date of Commissioning as per CCEA	Anticipated date of Commissioning
JAMMU AND KASHMIR					
1.	URI-II	240	1123	Nov-09	May-13
2.	NIMOO BAZGO	45	239	Aug-10	Oct-13
3.	KISHANGANGA	330	1350	Jul-14	Nov-16
HIMACHAL PRADESH					
4.	PARBATI-II	800	3108	Sep-09	Mar-18
5.	PARBATI-III	520	1963	Nov-10	Mar-14
WEST BENGAL					
6.	*TEESTA LOW DAM-III	4x33=132	594	Mar-07	Mar-13
7.	TEESTA LOW DAM-IV	160	720	Sep-09	May-14
ARUNACHAL PRADESH					
8.	SUBANSIRI LOWER	2000	7422	Sep-10	Dec-17

*Three units have already been synchronized.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2977
ANSWERED ON 14.03.2013

NTPC POWER PROJECTS

2977. SHRI N. CHALUVARAYA SWAMY:
SHRIMATI KAMLA DEVI PATLE:

Will the Minister of POWER
be pleased to state:

- (a) the details of the power projects likely to be started in 2013-14 by the National Thermal Power Corporation Limited (NTPC) and the quantum of electricity likely to be supplied to various States therefrom, State/UT-wise;
- (b) whether NTPC proposes to establish new power projects in the near future; and
- (c) if so, the details thereof, State/UT wise and the scheduled date of commissioning of these projects?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Power projects of 2060 MW capacity are likely to be commissioned in 2013-14 by NTPC and its Joint Venture Companies. Details of projects (State-wise) and the quantum of electricity likely to be supplied to various States/Union Territory (UTs) from these projects are indicated in Annex-I.

(b) : Yes, Madam.

(c) : The list of projects under construction and targeted to be commissioned during 12th Plan is enclosed at Annex-II.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2977 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

NTPC's Projects [including Joint Venture (JV)] likely to be commissioned in 2013-14

S.No.	State	Project	Fuel Type	Capacity (MW)	Quantum of electricity likely to be supplied	
					State	Power Allocation (MW)
1	Tamil Nadu	Vallur -Ph. II (JV)	Coal	500	Andhra Pradesh	59.60
					Karnataka	37.17
					Kerala	16.63
					Tamil Nadu	346.87
					Puducherry	2.23
					Unallocated	37.50
2	Uttar Pradesh	Rihand-III	Coal	500	Uttar Pradesh	160.06
					Delhi	65.96
					Rajasthan	57.61
					Haryana	28.03
					Punjab	41.34
					Uttarakhand	19.62
					Himachal	16.85
					Chandigarh	2.72
					J & K	32.81
					Unallocated	75.00
3	Bihar	Barh-II	Coal	660	West Bengal	99.50
					Bihar	330.00
					Jharkhand	40.00
					Orissa	83.00
					Sikkim	8.50
					Unallocated	99.00
4	Himachal Pradesh	Koldam	Hydro	400	Allocation order yet to be decided.	
				Total	2060	

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2977 TO BE ANSWERED IN THE LOK SABHA ON 14.03.2013.

NTPC's Projects [including its Joint Ventures (JVs)] under construction for likely commissioning in 12th Plan

Apart from the 3160 MW already commissioned in 2012-13 as part of 12th Plan (2012-17), the details of other Thermal & Hydro projects by NTPC (including JV) are as under;

Sl. No.	Project	State/Union Territory	Fuel Type	Capacity (MW)	Likely year of completion
1.	Vindhyachal-IV	Madhya Pradesh	Coal	500	2012-13
2.	Mouda-I	Maharashtra	Coal	500	2012-13
3.	Rihand-III	Uttar Pradesh	Coal	500	2013-14
4.	Vallur -Ph. II [JV with Tamil Nadu Electricity Board (TNEB)]	Tamil Nadu	Coal	500	2013-14
5.	Barh-II (2x660 MW)	Bihar	Coal	660	2013-14
6.	Koldam (4x200 MW)	Himachal Pradesh	Hydro	800	2014-15
7.	Barh-II (2x660 MW)	Bihar	Coal	660	2014-15
8.	Muzaffarpur Exp- Kanti [JV with Bihar State Electricity Board (BSEB)]	Bihar	Coal	390	2014-15
9.	Bongaigaon (3x250 MW)	Assam	Coal	750	2015-16
10.	Vindhyachal-V	Madhya Pradesh	Coal	500	2015-16
11.	Tapovan Vishnugad	Uttarakhand	Hydro	520	2015-16
12.	Nabinagar (4x250) JV with Railways	Bihar	Coal	1000	2015-16
13.	Barh-I (3x660 MW)	Bihar	Coal	1980	2016-17
14.	Kudgi-I (2x800 MW)	Karnataka	Coal	1600	2016-17
			Total	10860	

In addition to above list, renewable projects of 38 MW (Solar and small Hydro) are likely to be commissioned in 12th Plan.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.2989
ANSWERED ON 14.03.2013

EQUIPMENTS FOR ULTRA MEGA POWER PROJECTS

2989. SHRI AHIR VIKRAMBHAI ARJANBHAI MAADAM:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government is making it mandatory for Ultra Mega Power Projects (UMPPs) to buy a certain percentage of equipments from domestic manufacturers;
- (b) if so, the details thereof and the percentage that has been fixed for the domestic manufacturers;
- (c) the criteria for fixing the percentage; and
- (d) the monitoring mechanism for ensuring compliance of the guidelines?

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) to (d) : Do not arise.
