

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.383
TO BE ANSWERED ON 20.02.2014

IMPORT OF COAL BY NTPC

*383. SHRI KALIKESH N. SINGH DEO:

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

- (a) whether the National Thermal Power Corporation Limited (NTPC) had entered into contracts with vendors to import coal during the last three years and if so, the details thereof including the details of sub-vendors and the mines from which the coal originated;
- (b) whether the NTPC had suffered losses due to the poor quality of coal imported during the said period;
- (c) if so, the details thereof and the reasons therefor and for the lack of monitoring in this regard;
- (d) the people responsible for such losses and the action taken against the vendors which supplied poor quality of coal; and
- (e) whether those vendors have been blacklisted from participating in any further Government tenders and 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) 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. 383 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014 REGARDING IMPORT OF COAL BY NTPC.

(a) : Yes, Madam. The details of contracts awarded for import of coal in the last 3 years are at **Annex**.

The contracts awarded by NTPC for procurement of coal during last three years (2010-11, 2011-12 and 2012-13) are not mine specific. Only the technical specifications of coal are provided in the contract which the vendors have to fulfill.

(b) : No, Madam.

(c) to (e): Do not arise.

ANNEX REFERRED TO IN PART (a) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 383 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014 REGARDING IMPORT OF COAL BY NTPC.

Details of contracts awarded by NTPC for import of coal during the last three years

Sl. No.	Contract No	Date of Award	Quantity contracted (MMT)	Vendor
FY : 2010-11				
1	(i) 01/NTPC/STC/IMP/COAL/2010	25.01.2011	12	STC ¹
FY : 2011-12				
2	(i) NOA-5657	10.02.2012	0.5	Adani Enterprises Limited ³
	(ii) NOA 5655	03.02.2012	0.8	
	(iii) NOA -5656	03.02.2012	0.7	
	(iv) NOA-5653	03.02.2012	1	
	(v) NOA-5654	03.02.2012	1	
FY : 2012-13				
3	(i) NOA-5809	09.11.2012	0.9	Adani Enterprises Limited ³
	(ii) NOA- 5794	24.08.2012	1.1	
	(iii) NOA-5793	24.08.2012	0.9	
	(iv) NOA-5803	26.09.2012	0.6	
	(v) NOA-5799	03.09.2012	0.4	
4	(i) NOA- 5792	24.08.2012	1.1	MMTC ²
5	(i) NOA-5864	27.02.2013	1.25	Adani Enterprises Limited ³
	(ii) NOA-5868	27.02.2013	0.8	
	(iii) NOA-5869	27.02.2013	1.25	
	(iv) NOA-5865	27.02.2013	0.4	
	(v) NOA-5866	27.02.2013	0.8	
6	(i) NOA-5863	27.02.2013	1.25	MMTC ²
	(ii) NOA- 5867	27.02.2013	1.25	

1. Sub-vendors for STC:
 - i. Adani Enterprises Ltd.
 - ii. Tops Infrastructure Pvt. Ltd.
 - iii. Bhatia International Ltd.
2. Sub-vendors for MMTC
 - iv. Coastal Energy (Pvt.) Ltd.
3. No Sub Vendor

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.384
TO BE ANSWERED ON 20.02.2014

POWER GENERATION BY THERMAL PLANTS

†*384. SHRI HANSRAJ G. AHIR:

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

- (a) whether the Central Electricity Authority has permitted thermal power plants to use imported coal for power generation and has fixed any quota in this regard;
- (b) if so, the details regarding the permission granted for the said purpose and the quota fixed for the State Electricity Boards in the country;
- (c) whether the rise in prices of imported coal and the rise in the exchange rate of the Indian rupee has had an adverse effect on power generation;
- (d) if so, the details thereof; and
- (e) the steps taken by the Government to address the impact of rise in the prices of imported coal on power generation?

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.

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STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 384 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014 REGARDING POWER GENERATION BY THERMAL PLANTS.

(a) & (b) : Coal is imported by Power Plants as per their requirement. The Central Electricity Authority, based on their assessment, have advised an indicative target of 82 Million Tonnes (MT) for import of coal for the year 2013-14. Power Utility wise details are given at Annex.

(c) & (d) : During the current year 2013-14 (April-January, 2014), power utilities have imported around 31 MT of coal for blending with domestic coal and around 35 MT for power plants designed on imported coal in comparison to 26.2 MT for blending and 24.3 MT for plants designed on imported coal during the same period in previous year. Coal based generation has increased to 587.64 Billion Unit (BU) during April-January, 2014 as compared to 544.57 Billion Unit (BU) during April-January, 2013 which is an increase of about 7.9%.

(e) : The Government has decided that higher cost of imported coal is to be considered for pass through, as per modalities suggested by Central Electricity Regulatory Commission (CERC).

ANNEX REFERRED TO IN PARTS (a) & (b) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 384 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014 REGARDING POWER GENERATION BY THERMAL PLANTS.

Target fixed for Import of Coal for 2013-14

Sl. No.	Power Utility	Annual Target of Imported Coal
Fig In Million Tonne		
A	Power Plants designed on domestic coal	
1	HPGCL	1.50
2	RVUNL	2.00
3	UPRVUNL	0.50
4	MPGCL	2.00
5	Torrent AEC	0.50
6	GSECL	1.50
7	MSPGCL	3.50
8	Reliance (Dahanu)	0.60
9	APGENCO	2.50
10	TANGEDCO	2.40
11	KPCL	1.50
12	DVC	3.00
13	CESC	0.40
14	WBPDC	1.00
15	NTPC	16.60
16	NTPC(JV)(I. Gandhi)	2.00
17	Reliance (Rosa)	1.50
18	TATA (Maithon RB)	0.50
19	JPL (M. Gandhi)	1.70
20	LancoAnpara	1.50
21	CSPGCL	0.30
22	Bina	0.50
23	Vedanta (Jharsuguda)	0.50
24	NTPC(JV) (Vellur)	1.00
25	Adani (Tirora)	1.00
26	Emco Energy	0.00
27	NTPC SAIL	0.00
28	GMR Kamlanga	0.00
	Sub Total (A)	50.00
B	Power Plants designed on imported coal	
29	Trombay	2.30
30	JSW Energy	6.60
31	Adani (Mundra*)`	9.00
32	Uduppi	2.40
33	Mundra UMPP	7.20
34	ESSAR Salaya	2.40
35	Simapuri	0.60
36	Thaminapatnam	0.30
37	Kawai	1.20
38	IND Barath (Tuticorin)	0.00
	Sub Total (B)	32.00
	TOTAL (A+B)	82.00

* Includes Mundra Stage-III (1980 MW) designed on 70 domestic : 30 Imported basis

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
STARRED QUESTION NO.385
TO BE ANSWERED ON 20.02.2014

PURVIEW OF RGGVY

*385. SHRI E.T. MOHAMMED BASHEER:
SHRI GAJANAN D. BABAR:

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

- (a) whether the Government proposes to revamp the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) and if so, the details thereof;
- (b) whether it is also proposed to extend the purview of RGGVY to include households in villages/hamlets having population less than one hundred;
- (c) if so, the details thereof and the time by which all such villages/hamlets in the country including Jalore Sirohi areas of Rajasthan will be electrified;
- (d) if not, the reasons therefor; and
- (e) the steps taken/being taken by the Government to ensure universal electrification of all the rural households in the country?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

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

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 385 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014 REGARDING PURVIEW OF RGGVY.

(a) : Government of India has approved the continuation of RGGVY in XII & XIII Plan and the following important improvements have been made in the scheme based on the implementation experience during X and XI Plan :

- (i) State Level Standing Committee under the Chairmanship of Chief Secretary in each State to recommend the projects, review progress and resolve implementation related bottlenecks from time to time.
- (ii) Projects to be formulated based on actual field survey and field requirement.
- (iii) Load for Below Poverty Line (BPL) and Above Poverty Line (APL) households has been enhanced from 40 Watt and 250 Watt to 250 Watt and 500 Watt respectively.
- (iv) Quality control mechanism has been strengthened.
- (v) Cluster based approach in execution of works to allow proper phasing.
- (vi) State Govt. to deploy dedicated project implementation teams at project level to exclusively look after RGGVY works.
- (vii) The unit cost of BPL connection has been enhanced from Rs. 2200 to Rs. 3000 with provision of LED lamp instead of CFL.
- (viii) DDG (De-centralized Distributed Generation) will also be extended to grid connected areas to supplement the availability of power where power supply is less than 6 hours a day.

(b) to (d) : Government of India has approved the continuation of RGGVY in XII and XIII Plan to complete the spillover works of X/XI Plan and to cover remaining villages and habitations with population of more than 100.

As per the extant policy, villages and habitations having population of less than 100 are covered by the Ministry of New & Renewable Energy (MNRE) under their Remote Village Electrification (RVE) Programme.

The projects of Jalore and Sirohi districts have also been sanctioned under XII Plan of RGGVY covering electrification of 645 nos. and 363 nos. of partially electrified villages respectively.

(e) : Under RGGVY, rural electricity infrastructure is created to provide access to electricity to all rural households in villages and habitations having population of more than 100. Below Poverty Line (BPL) households in these villages and habitations are provided electricity connections free of cost and Above Poverty Line (APL) households are required to obtain electricity connections from the respective DISCOM/State Power Utility as per procedure by paying applicable connection charges.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4238
TO BE ANSWERED ON 20.02.2014

POWER PROJECTS

4238. SHRI AHIR VIKRAMBHAI ARJANBHAI MAADAM:

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

- (a) whether various power projects in the country are lying closed at present and many of the power plants are also not generating power as per their capacity;
- (b) if so, the details thereof along with the reasons therefor; and
- (c) the steps taken/being taken by the Government to bring the closed power projects back into the state of operation and enhance the capacity of the plants engaged in generation of power along with the outcome thereof?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : 10 Power Plants with aggregate capacity of 1414 MW are not in operation as on 31st January, 2013. The details of power plants not in operation along with the reasons is at **Annex-I**.

The names and details of Thermal (Coal and Lignite) and Hydro power plants, which are running less than their capacity during April, 2013-January, 2014 is at **Annex-II** and **Annex-III** respectively.

The generation from Gas and Liquid fuel based Plants was less during 2013-14 (April 2013 – January 2014) due to non-availability of gas from KGD6 basin and high generation cost of Plants based on RLNG / Liquid fuel / Diesel. During

April, 2013 – January 2014, the cumulative Plant Load Factor (PLF) of Gas based Stations was 24.58%.

(c) : Following steps taken / proposed by the Government to bring the closed power projects back into the state of operation:

1. Efforts are being made at ministerial level to make coal available for power sector.
2. Review of progress of power projects under R&M is being done, to identify the constraint areas and facilitate their faster resolution, so that the projects are re-commissioned on time. Expected date of return of Barauni TPS is June, 2014.
3. Neyvelli TPS-II (Exp) is expected to be re-commissioned in February, 2014.
4. Other five plants are shut down due to obsolete technology or high fuel cost and cannot be revived because of uneconomical operation.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 4238 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Details of Power Projects which are under Long Outage (More than one year)

Name of Station	Monitored Capacity as on 31.01.2014 MW	Not in operation since	Remarks/Reasons
SVPL TPP	63	Oct-12	EQUIPMENT PROBLEM/ NO COAL LINKAGE
KATGHORA TPP	35	Oct-12	BASED ON REJECTED COAL FROM WASHIERS, NO COAL LINKAGE
BARAUNI TPS	310	Mar-12	BOTH UNITS UNDER R&M /REFURBISHMENT WORKS
NEYVELI TPS-II EXP	250	Nov-12	BOILER MODIFICATION
HAZIRA CCPP EXT	351	Apr-12	NON AVAILABILITY OF GAS
PAMPORE GPS (Liq.)	175	Apr-12	UNECONOMICAL OPERATION
HALDIA GT (Liq.)	40	Jun-02	UNECONOMICAL OPERATION
KASBA GT (Liq.)	40	Jun-02	UNECONOMICAL OPERATION
MAITHON GT (Liq.)	90	May-12	UNECONOMICAL OPERATION
CHANDRAPUR(ASSAM) TPS	60	Jun-99	UNECONOMICAL OPERATION
	1414		

Note:

1. CEA monitors generation from conventional sources (Thermal, Hydro and Nuclear) only.
2. Generation from stations upto 25 MW are not being monitored since 01.04.2010

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 4238 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Reasons of Low PLF for coal and lignite based station below National average PLF 65.18 % during April to Jan 2014

Sl. No	NAME OF THE STATION	Monitored Capacity as on 31.01.2014 MW	Actual Gen(Apr-Jan 14)*	PLF (April-Jan 14)	Reasons of Low PLF for station below National average PLF 65.18during April to Jan 2014
1.	RAJGHAT TPS	135	353.69	35.67	Misc Force Outages
2.	INDIRA GANDHI STPP	1500	4602.8	42.4	RESERVE SHUT DOWN due to Merit order Despatch
3.	PANIPAT TPS	1360	4870.23	48.76	RESERVE SHUT DOWN due to Merit order Despatch
4.	RAJIV GANDHI TPS	1200	4138.09	46.96	RESERVE SHUT DOWN due to Merit order Despatch
5.	YAMUNA NAGAR TPS	600	2824.71	64.1	RESERVE SHUT DOWN due to Merit order Despatch
6.	MAHATMA GANDHI TPS	1320	5362.05	55.31	RSD/ MISC FORCE OUTAGES
7.	GND TPS(BHATINDA)	440	1509.36	46.71	RESERVE SHUT DOWN due to Merit order Despatch
8.	RAJPURA TPP	700	0	0	NEW UNIT
9.	BARSINGSAR LIGNITE	250	1161.47	63.26	TURBO-VISORY SYSTEM PROBLEM AND VARIOUS LEAKAGES
10.	CHHABRA TPP	750	2430.7	63.99	MILLING SYSTEM / R S FEEDER PROBLEM
11.	GIRAL TPS	250	315.25	17.17	TURBINE MISC. PROBLEMS
12.	KAWAI TPS	1320	2624.09	58.27	NEW UNIT
13.	JALIPA KAPURDI TPP	1080	4076.17	51.39	BOILER MISC. PROBLEMS/RESERVE SHUT DOWN
14.	HARDUAGANJ TPS	665	2646.74	57.28	MISC OUTAGES/ R&M OF U#7
15.	OBRA TPS	1278	3352.32	35.72	TURBINE MISC. PROBLEM/MISC OUTAGES/ R&M OF U#10,11
16.	PANKI TPS	210	630.94	40.91	TURBINE BEARING PROBLEM/ VINTAGE UNITS
17.	ANPARA C TPS	1200	5717.12	64.87	MISC PROBLEM
18.	KUNDARKI TPS	90	407.62	61.67	MAINTENANCE
19.	DSPM TPS	500	1965.95	53.54	MISC MAINTENANCES
20.	KORBA-II	200	883.03	60.12	VARIOUS TUBE LEAKAGES in U#1
21.	KORBA-III	240	924.77	52.47	EXTENDED MAINTENANCE/ VARIOUS TUBE LEAKAGES
22.	AKALTARA TPS	600	1323.09	54.05	NEW UNIT
23.	SVPL TPP	63	0	0	NEW UNIT UNSTABLISED
24.	KATGHORA TPP	35	0	0	NEW UNIT UNSTABLISED
25.	PATHADI TPP	600	1874.47	42.54	RESERVE SHUT DOWN due to Merit order Despatch
26.	RATIJA TPS	50	204.43	55.67	MISC MAINTENANCES
27.	GANDHI NAGAR TPS	870	1642.07	25.7	RESERVE SHUT DOWN due to Merit order Despatch
28.	SIKKA REP. TPS	240	528.96	30.01	EXTENDED CAPITAL MAINTENANCE/ RSD
29.	UKAI TPS	1350	4044.32	44.79	RESERVE SHUT DOWN due to Merit order Despatch
30.	WANAKBORI TPS	1470	4178.07	38.7	RESERVE SHUT DOWN due to Merit order Despatch
31.	AKRIMOTA LIG TPS	250	750.31	40.87	BOILER TUBE LEAKAGE/FLAME FAILURE
32.	SALAYA TPP	1200	4625.21	52.48	RESERVE SHUT DOWN due to Merit order Despatch
33.	SATPURA TPS	1580	4237.21	46.19	RESERVE SHUT DOWN due to Merit order Despatch
34.	SHREE SINGAJI TPP	600	23.1	0	NEW UNIT
35.	BINA TPS	500	1333.78	36.77	RESERVE SHUT DOWN due to Merit order Despatch
36.	MAHAN TPP	600	594.48	14.96	RESERVE SHUT DOWN due to Merit order Despatch

37.	SASAN UMTTP	1320	1595	0	NON STABLISED UNIT
38.	NIWARI TPP	45	36.82	0	NEW UNIT
39.	MAUDA TPS	1000	473.43	12.89	NON STABLISED UNIT
40.	BHUSAWAL TPS	1420	4306.33	50.79	Misc. MAINTENANCES
41.	PARLI TPS	1130	2512.28	30.27	RAW WATER PROBLEM
42.	CHANDRAPUR (MAHARASHTRA)	2340	8858.3	51.55	MISC. FO/EXTENDED MAINTAINENCE/RSD
43.	KHAPARKHEDA TPS	1340	5686.47	57.78	MISC FORCE OUTAGES
44.	KORADI TPS	1040	2027.91	26.55	CAPITAL MAINTENANCE/ VINTAGE UNITS
45.	EMCO WARORA TPS	600	1690.9	51.16	BOILER AUX. MISC. PROBLEM
46.	GEPL TPP Ph-I	120	113.84	12.92	COAL SUPPLY PROBLEM
47.	TIRORA TPS	1980	8240.42	61.13	I.D. FANS PROBLEM/ BOILER AUX. MISC. PROBLEM
48.	WARDHA WARORA TPP	540	2342.05	59.06	BOILER AUX. MISC. PROMLEMS/ WET COAL
49.	BELA TPS	270	25.15	0	NEW UNIT
50.	MIHAN TPS	246	276.22	15.29	H.T./L.T. SUPPLY PROBLEM
51.	BUTIBORI TPP	300	385.45	0	COAL PROBLEM
52.	AMARAVATI TPS	270	795.37	54.42	NON STABLISED
53.	DHARIWAL TPP	300	0	0	NEW UNIT
54.	TROMBAY TPS	1400	5195.67	50.53	UNECONOMICAL GENERATION
55.	THAMMINAPATNAM TPS	300	1182.45	55.83	COAL SUPPLY PROBLEM
56.	RAICHUR TPS	1720	7747.66	61.34	GT/ ESP PROBLEM/RSD
57.	UDUPI TPP	1200	5405.49	61.34	GRID MISC/ RSD/ COOLING TOWER PROBLEM
58.	VALLUR TPP	1000	2995.63	52.38	MISCELLANEOUS FORCED OUTAGRS
59.	NEYVELI TPS-II EXP	250	0	0	MODIFICATION OF BOILER
60.	ENNORE TPS	450	1032.77	31.25	MISC FORCE OUTAGES
61.	TUTICORIN (P) TPP	300	493.03	63.7	NEW UNIT
62.	MUZAFFARPUR TPS	220	213.75	13.23	R & M
63.	BARH II	660	0	0	NEW UNIT
64.	BARAUNI TPS	210	0	0	R & M
65.	CHANDRAPURA(DVC) TPS	890	4087.3	62.53	COAL SUPPLY /FEEDING PROBLEM
66.	BOKARO 'B' TPS	630	1532.44	33.12	VINTAGE UNITS
67.	DURGAPUR TPS	340	1597.84	63.99	VARIOUS TUBE LEAKAGES/ H.T./L.T. SUPPLY PROBLEM
68.	MEJIA TPS	2340	11099.18	64.59	FIRE IN TURBO GENERATION/RSD/UNECO.PROBLEM
69.	KODARMA TPP	1000	1636.14	52.93	H.T./L.T. SUPPLY PROBLEM/ ESP PROBLEM
70.	DURGAPUR STEEL TPS	1000	3572.97	48.65	STANDBY UNIT/ MISC OUTAGES
71.	PATRATU TPS	770	645.01	11.41	MISC FORCE OUTAGES/ VINTAGE UNITS
72.	TENUGHAT TPS	420	1758.62	57.02	RESERVE SHUT DOWN due to Merit order Despatch
73.	MAHADEV PRASAD STPP	540	2175.71	60.87	P.A. FANS PROBLEMS
74.	KAMALANGA TPS	350	743.62	15.94	RESERVE SHUT DOWN due to Merit order Despatch/ NEW UNIT
75.	STERLITE TPP	2400	7072.31	40.13	RESERVE SHUT DOWN due to Merit order Despatch
76.	D.P.L. TPS	630	1386.88	29.98	RESERVE SHUT DOWN due to Merit order Despatch/ COAL FEEDING PROBLEM
77.	BANDEL TPS	450	1252.18	37.89	RSD/ MISC MAINTENANCES
78.	KOLAGHAT TPS	1260	5183.96	56.02	RESERVE SHUT DOWN due to Merit order Despatch
79.	SAGARDIGHI TPS	600	2793.21	63.39	RESERVE SHUT DOWN due to Merit order Despatch
80.	SANTALDIH TPS	980	2447.19	34	RSD/ TURBINE VIBRATIONS HIGH
81.	CHINAKURI TPS	30	0	0	UNECONOMICAL OPERATION
82.	NEW COSSIPORE TPS	160	116.31	9.9	RESERVE SHUT DOWN due to Merit order Despatch

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 4238 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Name of the Stations	Reason for the Closure
NHPC	
Dhauliganga* (280 MW)	<ul style="list-style-type: none"> Unit I to IV of 70 MW each remained under shutdown since 16.06.2013 due to excessive damage to the barrage on account of unprecedented heavy flood.
Teesta Low Dam III (132 MW)	<ul style="list-style-type: none"> Unit II of 33 MW remained under shutdown since 05.05.2013 due to Excessive Leakage from the Shaft Seal. Unit I, III and IV of 33 MW each remained under shutdown from 04.07.2013 to 01.08.2013 due to Turbine Shaft Seal Leak/Broken and again remained under shutdown from 02.08.2013 to 31.08.2013 due to Accident/Strike/Others.
Chutak (44 MW)	<ul style="list-style-type: none"> Unit III of 11 MW remained under shutdown from 01.05.2013 to 09.09.2013 due to Vibration in TGB Housing.
Punjab	
Shanan (110 MW)	<ul style="list-style-type: none"> Unit No. V of 50 MW under shutdown from 18.07.2012 to 24.10.2013 due to Runner Repair/Replacement.
JPVL	
Vishnu Prayag* (400 MW)	<ul style="list-style-type: none"> Unit I, II, III & IV of 100 MW each remained under shutdown since 16.06.2013 due to extensive damage to the barrage on account of unprecedented rain in the river Alaknanda.
UJVNL	
ManeriBhali I (90 MW)	<ul style="list-style-type: none"> Unit I, II and III of 30 MW each remained under shutdown from 16.06.2013 to 03.08.2013 due to High Silt and Flood at Intake.
ManeriBhali II (304 MW)	<ul style="list-style-type: none"> Unit I, II and III of 30 MW each remained under shutdown from 16.06.2013 to 12.07.2013 due to High Silt and Flood at Intake.
Khatima (41.40 MW)	<ul style="list-style-type: none"> Unit I of 13.80 MW remained under shutdown since 31.07.2012 due to Main Excitation Problem.
Karnataka	
Bhadra (39.20 MW)	<ul style="list-style-type: none"> Unit- III of 12 MW under shut down since 01.06.2011 due to Renovation, Modernization & Uprating works. Unit-IV of 12 MW under shut down since 01.05.2011 due to Renovation, Modernization & Uprating works.
Mahatma Gandhi Jog (139.20 MW)	<ul style="list-style-type: none"> Unit-II of 13.20 MW under shut down since 26.01.2012 due to Generator Transformer Problem. Unit-VI of 21.60 MW under shut down since 11.07.2013 due to Generator Bearing Problem. Unit-VII of 21.60 MW under shut down since 11.07.2013 due to Generator Transformer Problem.
Kalinadi (855 MW)	<ul style="list-style-type: none"> Unit IV of 150 MW under shut down since 03.06.2013 due to Cooling Water System Problem.
Kerala	
Sabarigiri (300 MW)	<ul style="list-style-type: none"> On 16.05.2008, Unit-IV exploded from the top, with severe fire damaging the whole unit. Rebuilding of Unit-IV awarded on 16.11.2009.
TamilNadu	
Sholayar I&II (95 MW)	<ul style="list-style-type: none"> Unit- II of 35 MW under shut down since 30.11.2013 due to Failure of Transformer Cooling Water Pump.
West Bengal	
Jaldhaka St-I (27 MW)	<ul style="list-style-type: none"> Unit I of 9 MW under shutdown from 30.07.2013 to 01.09.2013 due to Generator Low Voltage/ Low Frequency. Unit II & III of 9 MW each under shutdown from 30.07.2013 and 31.07.2013 respectively to 01.09.2013 due to Heavy Down Pour/Flood in River.
DVC	
Panchet (80 MW)	<ul style="list-style-type: none"> Unit No. I of 40 MW under shutdown from the month of July 2013 to Sept 2013 due to Generator Stator Earth Fault.
NEEPCO	
Khandong (50 MW)	<ul style="list-style-type: none"> Unit- II of 25 MW under shutdown from 27.04.2013 to 28.05.2013 due to Draft Tube Repair Maintenance.

*Plants lying closed.

Above Information as per DGRs of the Year 2013-14.

Note: Projects under Annual Maintenance, Capital Maintenance, Poor/Reduced Inflow, Low System Demand & Reserve Shut Down/Standby Projects are not included in the above list.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4257
TO BE ANSWERED ON 20.02.2014

CSR OF NTPC

†4257. SHRI ASHOK KUMAR RAWAT:

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

- (a) the details of the works undertaken by the National Thermal Power Corporation Limited (NTPC) under Corporate Social Responsibility (CSR) during each of the last three years and the current year along with the funds spent therein and the number of people benefited therefrom, location-wise;
- (b) the details of the norms fixed by the Government regarding utilisation of funds under CSR along with the steps taken/being taken to ensure that the funds are spent particularly in the backward and Scheduled Caste dominated regions;
- (c) whether any social audit report has been received by the Government to keep an eye on the CSR being done by the NTPC and if so, the details thereof;
- (d) whether any irregularities have been found in the audit reports; and
- (e) if so, the details thereof along with the action taken by the Government in this regard and the outcome thereof?

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 works undertaken by NTPC under CSR during each of the last three years and the current year is given in the Annex.

(b) : The Companies Act, 2013 specifies that every company having net worth of rupees five hundred crores or more, or turnover of rupees one thousand crore or more or a net profit of rupees five crore or more during any financial year shall constitute a Corporate Social Responsibility Committee of the Board which shall indicate the activities to be undertaken by the company as specified in

Schedule - VII of the Act. The Board of every company shall ensure that it spends at least two per cent of the average net profits of the company made during the three immediately financial years. The Act provides that the company shall give preference to the local area where it operates which includes backward and Scheduled Caste dominated areas.

(c) to (e) : In addition to internal audit, Social Impact Evaluation (SIE) studies are conducted from time to time by operating stations through reputed academic institutes and other expert agencies in a comprehensive manner covering activities taken up during the evaluation period.

These SIE studies have shown that the activities have made positive impact on the lives of community. Recommendations of these studies for further improvement are duly considered while planning for CSR activities in the subsequent period.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 4257 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

S.N.	Financial Year	Amount Spent under CSR (Rs. Crs)	Location	Activities undertaken and number of persons benefited
1	2010-11	72.21	Andhra Pradesh, Assam, Bihar, Chhattisgarh, Delhi, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Kerala, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Sikkim, Uttarakhand, Uttar Pradesh, West Bengal etc	Activities have been taken up in the areas of Education, Community Health & Family Welfare, Sanitation, Water, Roads, Other Infrastructure, Solar lighting system, Skill Development / Vocational Training, Women Empowerment, Support to Physically Challenged Person, Rural Sports and culture, Support during Natural Calamities etc.
2	2011-12	49.44		
3	2012-13	69.24		
4	2013-14	59.25 (Unaudited figure upto 31.01.2014)		

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4258
TO BE ANSWERED ON 20.02.2014

HYDRO POWER GENERATION

†4258. SHRI JAI PRAKASH AGARWAL:

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

- (a) whether the Government has identified or proposes to identify some locations in the areas around the National Capital Territory of Delhi for generation of hydro power on the major rivers of the country;
- (b) if so, the details thereof;
- (c) whether the National Hydro Power Corporation Limited (NHPC) has been entrusted with the responsibility of developing those locations;
- (d) if so, the details thereof; and
- (e) the quantum of power likely to be generated from such new hydro power projects?

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 no proposal to develop any hydro-electric projects in and around National Capital Territory of Delhi.

(c) to (e) : Do not arise.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4261
TO BE ANSWERED ON 20.02.2014

FUNCTIONING OF POWER PROJECTS

†4261. DR. MAHENDRASINH P. CHAUHAN:

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

- (a) whether various power projects in the public sector are not functioning properly thus leading to shortage of power in the country;
- (b) if so, the details thereof;
- (c) the details of the proposals for setting up of gas based power projects submitted by various States to the Union Government for approval;
- (d) whether the Union Government has accorded approval to all such power projects; and
- (e) 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) & (b): The names and details of power plants, which are running less than their capacity (Thermal) during the last one year is at **Annex-I** and list of Hydro projects not running to its capacity is at **Annex-II**.

The generation from Gas and Liquid fuel based Plants was also less during 2013-14 (April 2013 – January 2014) due to non-availability of gas from KGD6 basin and high generation cost of Plants based on RLNG / Liquid fuel / Diesel. During April 2013 – January 2014, the % cumulative Plant Load Factor (PLF) of Gas based Stations was 24.58%.

However, during the current year (April 2013 – January 2014), the gross generation from the public sector has shown a growth of 1.11%. The shortage of power in terms of Peak and Energy during the current year has also reduced to 4.2% and 4.3% from 9% and 8.8% respectively.

(c) to (e) : As per the Electricity Act 2003, the generation has been de-licensed, as such approval of Union Government for setting up gas based power projects is not required.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 4261 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Reasons of Low PLF for coal and lignite based station below National average PLF 65.18 % during April to Jan 2014

Sl. No.	NAME OF THE STATION	Monitored Capacity as on 31.01.2014 MW	Actual Gen(Apr-Jan 14)*	PLF (April-Jan 14)	Reasons of Low PLF for station below National average PLF 65.18 during April to Jan 2014
1.	RAJGHAT TPS	135	353.69	35.67	Misc Force Outages
2.	INDIRA GANDHI STPP	1500	4602.8	42.4	RESERVE SHUT DOWN due to Merit order Despatch
3.	PANIPAT TPS	1360	4870.23	48.76	RESERVE SHUT DOWN due to Merit order Despatch
4.	RAJIV GANDHI TPS	1200	4138.09	46.96	RESERVE SHUT DOWN due to Merit order Despatch
5.	YAMUNA NAGAR TPS	600	2824.71	64.1	RESERVE SHUT DOWN due to Merit order Despatch
6.	GND TPS(BHATINDA)	440	1509.36	46.71	RESERVE SHUT DOWN due to Merit order Despatch
7.	BARSINGSAR LIGNITE	250	1161.47	63.26	TURBO-VISORY SYSTEM PROBLEM AND VARIOUS LEAKAGES
8.	CHHABRA TPP	750	2430.7	63.99	MILLING SYSTEM / R S FEEDER PROBLEM
9.	GIRAL TPS	250	315.25	17.17	TURBINE MISC. PROBLEMS
10.	HARDUAGANJ TPS	665	2646.74	57.28	MISC OUTAGES/ R&M OF U#7
11.	OBRA TPS	1278	3352.32	35.72	TURBINE MISC. PROBLEM/MISC OUTAGES/ R&M OF U#10,11
12.	PANKI TPS	210	630.94	40.91	TURBINE BEARING PROBLEM/ VINTAGE UNITS
13.	DSPM TPS	500	1965.95	53.54	MISC MAINTENANCES
14.	KORBA-II	200	883.03	60.12	VARIOUS TUBE LEAKAGES in U#1
15.	KORBA-III	240	924.77	52.47	EXTENDED MAINTENANCE/ VARIOUS TUBE LEAKAGES
16.	GANDHI NAGAR TPS	870	1642.07	25.7	RESERVE SHUT DOWN due to Merit order Despatch
17.	SIKKA REP. TPS	240	528.96	30.01	EXTENDED CAPITAL MAINTENANCE/ RSD
18.	UKAI TPS	1350	4044.32	44.79	RESERVE SHUT DOWN due to Merit order Despatch
19.	WANAKBORI TPS	1470	4178.07	38.7	RESERVE SHUT DOWN due to Merit order Despatch
20.	AKRIMOTA LIG TPS	250	750.31	40.87	BOILER TUBE LEAKAGE/FLAME FAILURE
21.	SATPURA TPS	1580	4237.21	46.19	RESERVE SHUT DOWN due to Merit order Despatch
22.	SHREE SINGAJI TPP	600	23.1	0	NEW UNIT
23.	MAUDA TPS	1000	473.43	12.89	NON STABILISED UNIT
24.	BHUSAWAL TPS	1420	4306.33	50.79	Misc. MAINTENANCES
25.	PARLI TPS	1130	2512.28	30.27	RAW WATER PROBLEM
26.	CHANDRAPUR (MAHARASHTRA)	2340	8858.3	51.55	MISC. FO/EXTENDED MAINTAINENCE/RSD
27.	KHAPARKHEDA TPS	1340	5686.47	57.78	MISC FORCE OUTAGES
28.	KORADI TPS	1040	2027.91	26.55	CAPITAL MAINTENANCE/ VINTAGE UNITS
29.	RAICHUR TPS	1720	7747.66	61.34	GT/ ESP PROBLEM/RSD
30.	VALLUR TPP	1000	2995.63	52.38	MISCELLANEOUS FORCED OUTAGRS
31.	NEYVELI TPS-II EXP	250	0	0	MODIFICATION OF BOILER
32.	ENNORE TPS	450	1032.77	31.25	MISC FORCE OUTAGES
33.	MUZAFFARPUR TPS	220	213.75	13.23	R & M
34.	BARH II	660	0	0	NEW UNIT
35.	BARAUNI TPS	210	0	0	R & M
36.	CHANDRAPURA(DV C) TPS	890	4087.3	62.53	COAL SUPPLY /FEEDING PROBLEM
37.	BOKARO 'B' TPS	630	1532.44	33.12	VINTAGE UNITS
38.	DURGAPUR TPS	340	1597.84	63.99	VARIOUS TUBE LEAKAGES/ H.T./L.T. SUPPLY PROBLEM
39.	MEJIA TPS	2340	11099.18	64.59	FIRE IN TURBO GENERATION/RSD/UNECO.PROBLEM
40.	KODARMA TPP	1000	1636.14	52.93	H.T./L.T. SUPPLY PROBLEM/ ESP PROBLEM
41.	DURGAPUR STEEL TPS	1000	3572.97	48.65	STANDBY UNIT/ MISC OUTAGES
42.	PATRATU TPS	770	645.01	11.41	MISC FORCE OUTAGES/ VINTAGE UNITS
43.	TENUGHAT TPS	420	1758.62	57.02	RESERVE SHUT DOWN due to Merit order Despatch
44.	D.P.L. TPS	630	1386.88	29.98	RESERVE SHUT DOWN due to Merit order Despatch/ COAL FEEDING PROBLEM
45.	BANDEL TPS	450	1252.18	37.89	RSD/ MISC MAINTENANCES
46.	KOLAGHAT TPS	1260	5183.96	56.02	RESERVE SHUT DOWN due to Merit order Despatch
47.	SAGARDIGHI TPS	600	2793.21	63.39	RESERVE SHUT DOWN due to Merit order Despatch
48.	SANTALDIH TPS	980	2447.19	34	RSD/ TURBINE VIBRATIONS HIGH

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 4261 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Name of the Stations	Reason for the Closure
NHPC	
Dhauliganga* (280 MW)	<ul style="list-style-type: none"> Unit I to IV of 70 MW each remained under shutdown since 16.06.2013 due to excessive damage to the barrage on account of unprecedented heavy flood.
Teesta Low Dam III (132 MW)	<ul style="list-style-type: none"> Unit II of 33 MW remained under shutdown since 05.05.2013 due to Excessive Leakage from the Shaft Seal. Unit I, III and IV of 33 MW each remained under shutdown from 04.07.2013 to 01.08.2013 due to Turbine Shaft Seal Leak/Broken and again remained under shutdown from 02.08.2013 to 31.08.2013 due to Accident/Strike/Others.
Chutak (44 MW)	<ul style="list-style-type: none"> Unit III of 11 MW remained under shutdown from 01.05.2013 to 09.09.2013 due to Vibration in TGB Housing.
Punjab	
Shanan (110 MW)	<ul style="list-style-type: none"> Unit No. V of 50 MW under shutdown from 18.07.2012 to 24.10.2013 due to Runner Repair/Replacement.
JPVL	
Vishnu Prayag* (400 MW)	<ul style="list-style-type: none"> Unit I, II, III & IV of 100 MW each remained under shutdown since 16.06.2013 due to extensive damage to the barrage on account of unprecedented rain in the river Alaknanda.
UJVNL	
ManeriBhali I (90 MW)	<ul style="list-style-type: none"> Unit I, II and III of 30 MW each remained under shutdown from 16.06.2013 to 03.08.2013 due to High Silt and Flood at Intake.
ManeriBhali II (304 MW)	<ul style="list-style-type: none"> Unit I, II and III of 30 MW each remained under shutdown from 16.06.2013 to 12.07.2013 due to High Silt and Flood at Intake.
Khatima (41.40 MW)	<ul style="list-style-type: none"> Unit I of 13.80 MW remained under shutdown since 31.07.2012 due to Main Excitation Problem.
Karnataka	
Bhadra (39.20 MW)	<ul style="list-style-type: none"> Unit- III of 12 MW under shut down since 01.06.2011 due to Renovation, Modernization & Uprating works. Unit-IV of 12 MW under shut down since 01.05.2011 due to Renovation, Modernization & Uprating works.
Mahatma Gandhi Jog (139.20 MW)	<ul style="list-style-type: none"> Unit-II of 13.20 MW under shut down since 26.01.2012 due to Generator Transformer Problem. Unit-VI of 21.60 MW under shut down since 11.07.2013 due to Generator Bearing Problem. Unit-VII of 21.60 MW under shut down since 11.07.2013 due to Generator Transformer Problem.
Kalinadi (855 MW)	<ul style="list-style-type: none"> Unit IV of 150 MW under shut down since 03.06.2013 due to Cooling Water System Problem.
Kerala	
Sabarigiri (300 MW)	<ul style="list-style-type: none"> On 16.05.2008, Unit-IV exploded from the top, with severe fire damaging the whole unit. Rebuilding of Unit-IV awarded on 16.11.2009.
TamilNadu	
Sholayar I&II (95 MW)	<ul style="list-style-type: none"> Unit- II of 35 MW under shut down since 30.11.2013 due to Failure of Transformer Cooling Water Pump.
West Bengal	
Jaldhaka St-I (27 MW)	<ul style="list-style-type: none"> Unit I of 9 MW under shutdown from 30.07.2013 to 01.09.2013 due to Generator Low Voltage/ Low Frequency. Unit II & III of 9 MW each under shutdown from 30.07.2013 and 31.07.2013 respectively to 01.09.2013 due to Heavy Down Pour/Flood in River.
DVC	
Panchet (80 MW)	<ul style="list-style-type: none"> Unit No. I of 40 MW under shutdown from the month of July 2013 to Sept 2013 due to Generator Stator Earth Fault.
NEEPCO	
Khandong (50 MW)	<ul style="list-style-type: none"> Unit- II of 25 MW under shutdown from 27.04.2013 to 28.05.2013 due to Draft Tube Repair Maintenance.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4268
TO BE ANSWERED ON 20.02.2014

POWER TRADING

4268. SHRI RAJIAH SIRICILLA:
SHRI ANTO ANTONY:

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

- (a) whether the Government proposes to implement any Scheme called One Nation-One Grid-One Frequency;
- (b) if so, the details in this regard including the salient features thereof along with the present status of the said Scheme;
- (c) whether the power trading in the country is set to get a boost as the country gets a national grid; 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) : On 31st December 2013, Southern Region was connected to Northern, Eastern, North-Eastern and Western (NEW) Grid in synchronous mode with the commissioning of 765kV Raichur - Solapur Transmission line thereby achieving 'ONE NATION'-'ONE GRID'-'ONE FREQUENCY'. Synchronisation of all regional grids will help in optimal utilization of scarce natural resources by transfer of Power from Resource centric regions to Load centric regions. Further, this will also help in making the Electricity market more vibrant facilitating trading of more power across regions in the country.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4277
TO BE ANSWERED ON 20.02.2014

AMENDMENT IN TARIFF POLICY

4277. SHRI P. KUMAR:

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

- (a) whether the Government proposes to make changes in the Tariff Policy and the Electricity Act, 2003;
- (b) if so, the details thereof and the likely impact on the income expected to be earned by the power utilities after the implementation of the new Tariff Policy;
- (c) whether the Government has discussed all the issues relating to the power sector in the advisory group meeting held during December 2013; and
- (d) if so, the details of the deliberations made during the said meeting?

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. Based on the recommendations of the Working Group which was constituted by the Planning Commission under the Chairmanship of Secretary, Ministry of Power and proposals received from Power Grid Corporation of India Limited and Central Electricity Authority, the draft amendments in the Tariff Policy were uploaded on the website of Ministry of Power on 12th September, 2013 and also circulated to all stakeholders for comments. Based on comments received from stakeholders and further deliberations held in this regard, suitable amendments are under finalization. The proposed amendment in Tariff Policy would benefit the various categories of consumers, including the below poverty line consumers. Besides, these amendments would reduce the carbon footprint and lead to sustainable growth.

Simultaneously, the aforesaid Working Group, inter-alia, also recommended certain changes in the Electricity Act, 2003. These recommendations were further discussed in the Ministry and a Committee was constituted for the examination and recommendation on the proposed amendments in the Electricity Act, 2003. Based on report of the Committee, the proposed amendments in the Act were uploaded on the website of Ministry of Power on 17th October, 2013 and also circulated to all stakeholders for comments. Based on comments received from stakeholders and further deliberations held in this regard, suitable amendments are under finalization. The proposed amendments in the Electricity Act, 2003 will promote competition, efficiency in operations and improvement in quality of supply of electricity in the country resulting in capacity addition and ultimate benefit to the consumers.

(c) & (d): The issue of proposed amendments in Tariff Policy and in the Electricity Act, 2003 have also been discussed in various meetings of the Advisory Group under the Minister of State for Power (Independent Charge) in the Ministry of Power. The Advisory Group in the meeting held on 24.12.2013 discussed the issues relating to Transmission and Banking/Financial Institutions in the power sector. During the said meeting, Advisory Group was also informed about the status on proposed amendments in the Act.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4290
TO BE ANSWERED ON 20.02.2014

INCENTIVES TO EMPLOYEES

4290. SHRI KIRTI AZAD:

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

- (a) whether the Rural Electrification Corporation (REC) and Power Grid Corporation of India Limited (PGCIL) are giving gold coins worth crores of rupees and performance related pay, *ex-gratia* and performance incentives to their employees each year;
- (b) if so, the details thereof along with the competent authority for sanctioning the same;
- (c) whether approvals of the Government have also been taken by the REC and PGCIL in this regard;
- (d) if so, the details thereof and the manner in which the Government exercises control over such lavish spendings by REC and PGCIL; and
- (e) the action taken/proposed to be taken against the REC and PGCIL for taking such decision causing losses to the public exchequer?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : In Rural Electrification Corporation (REC) Ex Gratia, performance related Pay, Performance Incentives etc. to executives and non-unionized employees are paid in terms of guidelines of Department of Public Enterprises (DPE). The payment to unionized employees is based on negotiated settlement for which the Board of Directors of REC is competent. There is no practice of giving gold coins to employees each year.

Power Grid Corporation of India Limited (PGCIL) is paying Performance Related Pay (PRP) in accordance with DPE Guidelines to its eligible executives and supervisors, which was introduced as part of pay package as per implemented Wage Revision. For workmen, it is a negotiable settlement and PRP for them is being paid in line with aforesaid PRP to executives and supervisors from 2010-11 onwards in lieu of incentive. PGCIL has not paid any incentive, ex-gratia, gold coin, etc. other than PRP to its executives and supervisors after wage revision.

(b) : Board of Directors of REC is the competent authority for sanction of the Performance related payments.

So far as PGCIL is concerned, the Remuneration Committee, (a sub-committee of Board of Directors) which includes independent directors and Government Directors, sanctions Performance related payments to executives and non-unionized supervisors. For workmen, PGCIL Board of Directors is authorized for making policy for incentive/PRP payment.

(c) & (d): Both in REC & PGCIL, the incentives are paid as per the DPE guidelines for executives and non-unionized supervisors. For workmen, the Board of Directors is authorized for making policy for incentive/PRP payment.

(e) : In view of (a) to (d) above, does not arise.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4311
TO BE ANSWERED ON 20.02.2014

GREEN ENERGY TECHNOLOGY

†4311. SHRI BALIRAM JADHAV:

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

- (a) whether the Government has signed any agreement with the United States of America (USA) for generating more power by using green energy technology;
- (b) if so, the details thereof;
- (c) whether some power units of the country have been selected to use the green energy technology on pilot basis and USA will hand over its feasibility report to the Government and if so, the details thereof;
- (d) whether USA has also agreed to provide technical assistance to the power houses in the country in this regard; 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) : Based on information available in this Ministry, as of now, no agreement has been signed with the United States of America (USA) for generating more power by using green energy technology.

(b) to (e) : 'Nil' in view of (a) above.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4325
TO BE ANSWERED ON 20.02.2014

SNAPPING OF POWER CABLES

†4325. SHRI RAJU SHETTI:

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) the quantum of loss of crops and the number of farmers died during the last three years and the current year, State/UT-wise;
- (d) 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
- (e) if so, the details thereof including the number of farmers or their families who have been compensated during 2013 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) to (c) : POWERGRID is engaged in bulk power transfer through its Inter-State Transmission System (ISTS) which mainly consists of Extra High Voltage (EHV) network of 400kV 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. However, there is no damage to crops and no fatal accident has occurred during the last three years and current year due to snapping of electric lines of POWERGRID.

(d) & (e) : As no damage to crop or death of farmers was caused due to snapping and falling of electric wires during 2013 and current year, no compensation was required to be paid on this account.

However, during restoration/ stringing of snapped lines, whenever any crops are damaged, compensation is paid to the farmers as per rates provided by the local Revenue Authorities. No such compensation has also been disbursed in the year 2013 and the current year.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4330
TO BE ANSWERED ON 20.02.2014

ASSESSMENT FOR COVERAGE UNDER RGGVY

†4330. DR. RAGHUVANSH PRASAD SINGH:

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

- (a) the details of the hamlets left out in the assessment made for electrification under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) in the Muzaffarpur and Vaishali areas of Bihar;
- (b) whether the Union Government has received any revised assessment for approval pertaining to the aforesaid areas in Bihar;
- (c) if so, the details thereof along with the number of hamlets and households that are still deprived of electricity connections in the aforesaid areas; and
- (d) the time by which the said proposal regarding revised assessment is likely to be approved by the Government?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (d) : The Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) projects of district Muzaffarpur and Vaishali, Bihar were sanctioned under RGGVY during XI Five Year Plan and the details of villages/hamlets electrified under RGGVY as on 31.01.2014, are as under:

Districts	Un-Electrified Villages		Partially Electrified Villages		Release of free electricity connection to BPL Households	
	Coverage	Ach.	Coverage	Ach.	Coverage	Ach.
Muzaffarpur	886	886	1055	983	258300	249633
Vaishali	879	879	1021	864	117608	111521

Further, under XII Plan of RGGVY, all remaining villages and habitations with population 100 and above, as recommended by the State Government of Bihar have been sanctioned, by Ministry of Power. Thus, all habitations having population 100 and above, as proposed by the State Government of Bihar, have been sanctioned as on date.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4336
TO BE ANSWERED ON 20.02.2014

ASSESSMENT FOR DEMAND OF POWER

4336. DR. RATNA DE (NAG):

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

- (a) whether any assessment/evaluation has been carried out by the Government to find out the estimated demand of power in the country during the next 20 years; and
- (b) if so, the details thereof and if not, the reasons therefor?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : Yes, Madam.

(b) : The forecast of Electrical Energy requirement (EER) and Annual peak Electricity Load (APEL) as per 18th Electric Power Survey (EPS) by end of 12th, 13th, 14th & 15th Five Year Plans is given below:

FORECAST	2016-17	2021-22	2026-27	2031-32
EER (Million units)	1354874	1904861	2710058	3710083
APEL (MW)	199540	283470	400705	541823

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4337
TO BE ANSWERED ON 20.02.2014

CLEARANCE FOR HYDRO POWER PROJECT

4337. DR. THOKCHOM MEINYA:

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

- (a) whether the final clearance for the Tipaimukh Hydro-Electric project has been received from the Ministry of Environment and Forests;
- (b) if so, the details thereof;
- (c) whether Bangladesh has raised some objections for this project regarding environment and seismic issues;
- (d) if so, the details thereof; and
- (e) the action taken/being taken by the Government in this regard?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Environment clearance by Ministry of Environment & Forests (MoEF) has been accorded to Tipaimukh Hydro-electric Project (1500 MW) on 24.10.2008. However, regarding Forest clearance proposal for diversion of forest land falling in the State of Manipur and Mizoram have been rejected by MoEF on 29.08.2013 and 26.09.2013 respectively.

(c) to (e) : Bangladesh has raised its concern regarding the Tipaimukh Hydro-electric (Multipurpose) Project in Manipur. Meetings have been held by the Sub-Group constituted under India-Bangladesh Joint River Commission (JRC), for joint study as per agreed Terms of Reference (ToR) for Tipaimukh Project. Commissioner (Ganga), Ministry of Water Resources (MoWR) is the Coordinator for the Joint Sub Group under JRC. The first meeting of Joint Sub Group was held in New Delhi on 27-28 August, 2012, wherein the DPR was handed over to Bangladesh. Subsequently, MoWR also handed over EIA and EMP report of the project. The second meeting of Joint Sub Group was held in Dhaka on 1-2 February, 2013. MoWR vide letter dated 09.05.2013 has provided two copies of Inception Reports prepared by Institute of Water Model (IWM) and Center for Environmental and Geographic Information Services (CEGIS) Bangladesh to NHPC. Views/Comments of NHPC were submitted to MoWR vide letter dated 21.08.2013. MoWR vide letter dated 22.09.2013 has pointed out that the Member JRC, Bangladesh has stated that the data provided by Indian side is insufficient to carry out study and has requested to submit additional data. NHPC vide letter dated 29.10.2013 submitted its reply to MoWR along with certain additional available data.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4339
TO BE ANSWERED ON 20.02.2014

EXPENDITURE OF POWER GRID

4339. SHRI NIKHIL KUMAR CHOUDHARY:
DR. P. VENUGOPAL:

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

- (a) whether the capital expenditure of the power grid has substantially grown over the years;
- (b) if so, the details thereof;
- (c) whether the Government has outlined a capital expenditure of Rs. 6,500 crore for ushering in new technologies in the generation sector and transmission and distribution segments and if so, the details thereof;
- (d) whether one of the reasons for the grid failure and transmission losses attributed was due to lack of application of new technology; and
- (e) if so, the details thereof?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b): The Capital Expenditure of Powergrid has increased from 6,656 crore during 2007-08 to 20,360 crore during 2012-13.

(c) : Ministry of Power has not earmarked any Capital Expenditure in its budget for ushering in new technologies in the generation sector and transmission and distribution segments.

(d) : No, Madam.

(e) : Does not arise.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4356
TO BE ANSWERED ON 20.02.2014

UPGRADATION OF ELECTRICAL STATION

4356. SHRI HAMDULLAH SAYEED:

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

(a) whether the Government has received any proposal from the UT of Lakshadweep seeking upgradation of the Electrical Stations at Kalpeni and Chetlat to an Electrical Sub Division to ensure regular power supply in these islands; and

(b) if so, the details thereof and the steps taken/proposed to be taken by the Government thereon?

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 proposal received from Union Territory of Lakshadweep for Upgradation of Electrical Section to Electrical Sub-Division in the islands of Kalpeni & Chetlat in the Electricity Department of Lakshadweep has been examined in consultation with Central Electricity Authority. The proposal, inter alia, includes creation of new post of Assistant Engineer each in the Kalpeni and Chetlat Islands of Lakshadweep which requires approval of Ministry of Finance, Department of Expenditure. As there is a total ban on creation of Plan and Non-Plan posts as per instructions of Ministry of Finance, UT of Lakshadweep has been requested to furnish detailed justification for creation of posts, matching savings and financial implication along with full details in the prescribed check list towards creation of new posts.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4360
TO BE ANSWERED ON 20.02.2014

DEMAND OF POWER

4360. DR. P. VENUGOPAL:

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

- (a) the details of the present installed capacity of power generation from all sources in the country including the nonrenewable and renewable sources and the quantum therefrom that is being generated from non-renewable fossil fuel such as coal;
- (b) whether the biggest challenge for the Government is to strategise ways to meet the demand of power of 4,00,000 MW by the year 2022;
- (c) if so, the details thereof along with the steps being taken by the Government in this regard;
- (d) whether in order to meet the growing demand of power the Government is considering to focus more on renewable sources of energy such as hydroelectric, wind, solar and atomic power; 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) : The details of the present installed capacity of power generation (As on 31.01.2014) from all sources in the country including the non-renewable and renewable sources is as below:

Source-wise breakup

							(Fig. in MU)
Thermal				Nuclear	Hydro (Renewable)	RES* (MNRE)	Grand Total
Coal	Gas	Diesel	Total				
138903.39	20380.85	1199.75	160483.99	4780.00	39875.40	29462.55	234601.94

*RES (Renewable Energy Sources) include Small Hydro Plant, Biomass Plant, Urban & Industrial Waste Power, Solar and Wind Energy.

The quantum of electricity generated from non-renewable fossil fuel (Coal, Gas and Diesel) is 653.2 BU during the Year 2013-14 (April 2013 to January 2014).

(b) & (c): The 18th Electric Power Survey (EPS) of India undertaken by Central Electricity Authority has assessed the demand of power by the Year 2021-22 as 2,83,470 MW. To meet this demand, a total capacity addition target of 88,537 MW has been fixed from conventional sources for the 12th Plan comprising of Hydro : 10,897 MW, Thermal : 72,340 MW & Nuclear : 5,300 MW. In addition, the capacity addition target from Renewable Energy Sources (RES) is 30,000 MW. Similar capacity addition would be targeted for 13th Plan also. Necessary steps

being taken to meet the demand of power, inter alia, are:

- (i) Acceleration in generation capacity, wherein 30,462 MW capacity has already been commissioned in the years 2012-13 and 2013-14 (upto 31st January, 2014) against the target of 88,537 MW during the 12th Plan.
- (ii) Development of Ultra Mega Power Projects (UMPP) of 4,000 MW each to reap benefits of economies of scale as well as build large capacity power plants. 5,320 MW capacity of UMPP has already been commissioned by 31st January, 2014.
- (iii) Focussing on hydro capacity addition including fast tracking the hydro electric projects in the North-East specially in Arunachal Pradesh.
- (iv) Augmentation of domestic manufacturing capacity of power equipment through Joint Ventures.
- (v) To meet the shortfall in coal supplies to thermal power stations from indigenous sources, the power utilities have been allowed to import coal.
- (vi) Renovation, modernization and life extension of old and inefficient generating units.
- (vii) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (viii) Strengthening of inter-state and inter-regional transmission capacity for evacuation of power. With commissioning of 765 kV Raichur – Sholapur inter-regional transmission line, the Indian power system has entered into a new era of ONE NATION – ONE GRID – ONE FREQUENCY and is now one of the largest operating synchronous grid in the world.
- (ix) Strengthening of sub-transmission and distribution network as a major step towards loss reduction.
- (x) Promoting energy conservation, energy efficiency and demand side management measures.

(d) & (e): To reduce the emission of green house gases and to also meet the growing demand of power, Government is laying emphasis on the development of hydroelectric, wind, solar and atomic power for power generation to the extent possible. The installed power generating capacity in the country as on 31.01.2014 from various renewable energy sources is about 30,000 MW. For large scale generation of Renewable energy the Government is giving various fiscal and financial incentives such as capital / interest subsidy, generation based incentives, accelerated depreciation, concessional excise and custom duties for the promotion of renewable energy sources in the country. The other initiatives to promote power generation from renewable energy are setting up of demonstration projects, resource assessment, development of power evacuation, testing facilities, manpower training and awareness raising programme.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4372
TO BE ANSWERED ON 20.02.2014

EMPLOYEES ENGAGED BY CONTRACTORS IN NTPC

†4372. SHRI ASHOK KUMAR RAWAT:

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

- (a) whether the contractors have employed the workers belonging to Scheduled Castes and Scheduled Tribes in the National Thermal Power Corporation Limited (NTPC);
- (b) if so, the details thereof;
- (c) whether the NTPC and the contractors engaged by the NTPC maintains any record about the workers from the said categories;
- (d) if so, the details thereof; and
- (e) the manner in which the NTPC ensures that workers from Scheduled Castes and Scheduled Tribes are employed by the contractors?

A N S W E R

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

(a) & (b) : NTPC's Contractors engage workers as per their job requirement. NTPC does not maintain specific records indicating SC/ST workers engaged by its contractors.

(c) : NTPC maintains records of workers directly appointed by it for the said categories. Contractors, being the direct employer in respect of their workers, are required to maintain appropriate records of workers whenever so necessary, under various laws.

.....2.

(d) : The details of employees directly appointed by NTPC who belong to SC/ST category are given below:

(as on 31st December 2013)

Group	No. of SC Employees	No of ST Employees
A	1715	599
B	935	408
C	762	299
D	214	129
D(S)	0	0
Total	3626	1435

(e) : Job contracts are awarded by NTPC to contracting agencies who engage workers for execution of work as per job requirement. The role of NTPC is to ensure compliance under various laws in respect of workers engaged by them, wherever monitoring of such compliances is legally required to be done by NTPC.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4373
TO BE ANSWERED ON 20.02.2014

PER CAPITA POWER CONSUMPTION

†4373. SHRI JAI PRAKASH AGARWAL:

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

- (a) the per capita power consumption in the country as compared to the developed countries of the world; and
- (b) the steps taken/being taken by the Government to increase the generation of power in the country so as to increase the per capita power consumption?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : The per capita power consumption in the country for the year 2011-12 is 883.63 kWh and corresponding per capita power consumption in the developed countries of the world for the year 2011 is given below:

Sl. No.	Country	Per capita power consumption (kWh)
1.	United States of America	13227
2.	Australia	10514
3.	Japan	7847
4.	Russia	6533
5.	United Kingdom	5518

Source: International Energy Agency Website

(b) : Steps taken / being taken by the Government to increase the per capita consumption, inter alia, are:

- (i) Acceleration in generation capacity addition during 12th Plan with a proposed target of 88,537 MW, excluding 30,000 MW renewable. 30,462 MW capacity has already been commissioned in the years 2012-13 and 2013-14 (upto 31st January, 2014) against this target.

- (ii) Development of Ultra Mega Power Projects (UMPP) of 4,000 MW each to reap benefits of economies of scale as well as build large capacity power plants. 5,320 MW capacity of UMPP has already been commissioned by 31st January, 2014.
- (iii) Focussing on hydro capacity addition including fast tracking the hydro electric projects in the North-East specially in Arunachal Pradesh.
- (iv) Augmentation of domestic manufacturing capacity of power equipment through Joint Ventures.
- (v) To meet the shortfall in coal supplies to thermal power stations from indigenous sources, the power utilities have been allowed to import coal.
- (vi) Renovation, modernization and life extension of old and inefficient generating units.
- (vii) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (viii) Strengthening of inter-state and inter-regional transmission capacity for evacuation of power. With commissioning of 765 kV Raichur – Sholapur inter-regional transmission line, the Indian power system has entered into a new era of ONE NATION – ONE GRID – ONE FREQUENCY and is now one of the largest operating synchronous grid in the world.
- (ix) Strengthening of sub-transmission and distribution network as a major step towards loss reduction.
- (x) Promoting energy conservation, energy efficiency and demand side management measures.
- (xi) Advising the states to tie up for procurement of power to meet their demand, in accordance with their anticipated demand supply scenario.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4377
TO BE ANSWERED ON 20.02.2014

SHARING OF POSTS IN BBMB

†4377. SHRI KHILADI LAL BAIRWA:

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

- (a) whether the existing Secretariat of the Bhakra Beas Management Board (BBMB) is being represented by the officers of the States carved out as per the Punjab Re-organisation Act, 1966 and if so, the details thereof;
- (b) whether a decision was taken in meeting of the BBMB held in 1986 on the issue of balanced representation to all the participating States;
- (c) if so, the details thereof indicating the representation given to Rajasthan after the said meeting along with the details of the appointments made for the post of full time Members in BBMB, Secretary and Additional Secretary indicating the period of their posting and the domicile States of these officers;
- (d) the details of the reference sent by BBMB under Rule 7 of BBMB Rules, 1974 for sharing of posts along with the decision taken by the Government in the matter; and
- (e) the time by which the BBMB is likely to fulfil the assurance of filling up of the post of Secretary from Rajasthan?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : No, Madam. As per the Punjab Re-organisation Act, 1966, the successor States of United Punjab are Punjab, Haryana and Himachal Pradesh only. However, the Bhakra Beas Management Board (BBMB) Secretariat comprises of officers drawn from partner States of BBMB, that is, Punjab, Haryana, Himachal Pradesh and Rajasthan.

(b) : The matter regarding rationalization of appointments to the Board i.e. Member (Power) and Member (Irrigation) and to the Board Secretariat i.e. Secretary and Addl. Secretary (now designated as Special Secretary) was discussed in 122nd meeting of Board held on 26.7.1986 but no consensus was arrived at.

(c) : As per Section 79(2) of the Punjab Re-organization Act, 1986, two Whole time Members are appointed by Central Government in BBMB. By convention, these Members are appointed from Punjab and Haryana. The details of appointment of Member (Power) and Member (Irrigation) since 1986 is at Annex-I & II respectively. The details of appointment of Secretary and Special Secretary since 1986 is at Annex-III & IV respectively.

(d) : The reference made by BBMB under Rule-7 of BBMB Rules-1974 regarding sharing of posts on the Beas Projects and Bhakra Complex has been received and would be decided in consultation with Partner States, if agreed to.

(e) : Does not arise, as the post of Secretary (BBMB) has not been allotted to any particular State.

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 4377 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Incumbency Chart of Member (Power) in BBMB

S. No.	Name of Officer (Er.)	Parent State	Period
1.	N.S. Frewal	Punjab	4.12.85 to 13.5.88
2.	Vacant	Punjab	14.5.88 to 2.8.88
3.	Inderjit Singh Kalra	Punjab	3.8.88 to 30.6.90
4.	Maj. Gen. P.K.Gupta, Chairman	Government of India	1.7.90 to 22.8.90 (Additional Charge)
5.	O.P.Jain	Punjab	23.8.90 to 12.8.91
6.	Maj. Gen. P.K.Gupta, Chairman	Government of India	12.8.91 to 18.8.92 (Additional Charge)
7.	Nirvair Singh	Punjab	18.8.92 to 31.5.93
8.	Maj. Gen. P.K.Gupta, Chairman	Government of India	31.5.93 to 17.11.93
9.	B .K.Saini	Punjab	17.11.93 to 31.3.94
10.	Maj. Gen. P.K.Gupta, Chairman	Government of India	31.3.94 to 26.4.94 (Additional Charge)
11.	R.K.Aggarwal	Punjab	26.4.94 to 30.11.96
12.	Maj. Gen. P.K.Gupta, Chairman	Government of India	30.11.96 to 31.8.97 (Additional Charge)
13.	Satish Mittal	Punjab	17.3.98 to 1.11.98
14.	S.P.Sharma	Punjab	2.11.98 to 3.11.2000
15.	R.R.Oberoi , Chairman	Government of India	4.11.2000 to 24.4.2001 (Additional Charge)
16.	Amrik Singh	Punjab	25.4.2001 to 28.2.2003
17.	Rakesh Nath , Chairman	Government of India	1.3.2003 to 1.1.2004 (Additional Charge)
18.	S.C.Mahajan	Punjab	2.1.2004 to 29 .8.2006
19.	Amrik Singh, CE	Punjab	13.10.2006 to 14.11.2006
20.	N.K.Arora	Punjab	28.11.2006 to 3.12.2008
21.	U.C.Misra, Chairman	Government of India	5.12.2008 to 29.4.2009 (Additional Charge)
22.	V.B.Bassi	Punjab	30.4.2009 to 5.02.2011
23.	Ashok Thapar	Punjab	21.02.2011 to till date

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 4377 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Incumbency Chart of Member (Irrigation) in BBMB

S.No.	Name of Officer (Er.)	Parent State	Period
1.	O.P.Datta	Haryana	9/83 to 8/86
2.	B.C.Malhotra	Haryana	4.9.86 to 30.4.88
3.	Vacant	-	1.5.88 to 22.7.88
4.	P.A.Kapoor	Haryana	23.7.88 to 1.1.92
5.	D.R.Luthra	Haryana	1.1.92 to 31.12.94
6.	Maj. Gen. P.K.Gupta	-	31.12.94 to 18.7.93 AN (Additional Charge)
7.	Vithal Ram	Haryana	18.7.95 to 31.8.96
8.	Maj. Gen. P.K.Gupta	-	31.8.96 to 15.4.97 (Additional Charge)
9.	R.N.Aggarwal	Haryana	15.4.97 to 28.2.98
10.	H.S.Grewal	Haryana	17.3.98 to 18.6.98 (Look After)
11.	J.L.Gambhir	Haryana	18.6.98 to 4.9.98
12.	R.N.Aggarwal	Haryana	4.9.98 to 27.4.2000
13.	R.R.Oberoi	-	27.4.2000 to 23.6.2000 (Additional Charge)
14.	S.K.Duggal	Haryana	23.6.2000 to 24.11.2002
15.	Balbir Singh	Haryana	5.3.2003 to 29.12.2005
16.	Anil Arora	Haryana	4.1.2006 to 5.7.2006/5.7.2006 to 17.9.2008 extended upto 31.12.2008
17.	M.K.Gupta	Haryana	31.12.2008 to 08.07.2011
18.	A.B.Agrawal	-	09.07.2011 to 26.8.2011 (Additional Charge)
19.	S.L.Agarwal	Haryana	26.8.11 AN to till date

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 4377 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Incumbency Chart of Secretary In BBMB

Sr.No.	Name of Officer S/Shri	Parent State	Period
1.	O.R.Mehta	Punjab	May-82 to July-86
2.	P.C.Gandhi	Rajasthan	Sept-86 to March-87
3.	K.T.Sukhani	Rajasthan	May-87 to Sept-87
4.	A.C.Mehta	Rajasthan	March-88 to Dec.-88
5.	K.G.Aggarwal (Additional charge)	Punjab	Dec-88 to March-90
6.	J.C.Makkar	Rajasthan	March-90 to Aug-91
7.	S.P.Sharma	Rajasthan	Sept-91 to April-95
8.	K.V.S.Thakur (Additional charge)	Punjab	April-95 to Jan-1997
9.	K.G.Aggarwal	Punjab	Feb.-97 to Aug-98
10.	K.V.S.Thakur (Additional charge)	Punjab	Sept-98 to May-99
11.	K.V.S.Thakur	Punjab	May-99 to Oct-2000
12.	S.B.Sarawagi	Rajasthan	Oct-2000 to Oct-2001
13.	K.V.S.Thakur	Punjab	Oct-2001 to May-2002
14.	Anil Arora	Haryana	June-2002 to July-06
15.	P.S.Tulsi	Rajasthan	July-06 to Feb-07
16.	M.L.Gupta	Punjab	Feb-07 to March-07
17.	R.C.Mahajan	Haryana	March-07 to 10.7.2009
18.	H.K.Gupta	Haryana	10.7.09 to 31.10.2012
19.	R.S.Jalta (Additional charge)	Himachal Pradesh	1.11.2012 to 21.3.2013
20.	Ashok Gupta	Haryana	21.03.2013 to till date

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 4377 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Incumbency Chart of Special Secretary in BBMB

Sr. No.	Name of Officer S/Shri	Parent State	Period
1.	Y.P.Kumar	Haryana	02-08-1982 to 14-05-1987
2.	D.R.Sood	Haryana	15-05-1987 to 25-05-1990
3.	S.S.Gupta	Haryana	28-08-1990 to 26-01-1992
4.	N.C.Singhal	Haryana	27-01-1992 to 27-01-1996
5.	I.C.Sharma	Haryana	27-01-1996 to 31-01-2003
6.	Manmohan Singh	Haryana	31-01-2003 to 07-12-2005
7.	R.K.Sehgal	Haryana	07-12-2005 to 12-07-2006
8.	R.C.Mahajan	Haryana	12-07-2006 to 30-03-2007
9.	R.K.Sehgal	Himachal Pradesh	30-03-2007 to 31-05-2008
10.	S.K.Sharma	Himachal Pradesh	02-06-2008 to 3.3.2012 AN
11.	H.K.Gupta, Secretary	Haryana	Additional charge w.e.f. 13.3.12 to 2.4.2012 AN
12.	R.S.Jalta	Himachal Pradesh	3.4.2012 to till date

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4389
TO BE ANSWERED ON 20.02.2014

FINANCIAL HELP TO POWER COMPANIES

4389. SHRIMATI SHRUTI CHOUDHRY:

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

- (a) whether the Government is providing financial help to the crisis-ridden power companies; and
- (b) if so, the details thereof along with the funds provided in this regard till date?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : A scheme for Financial Restructuring of State owned Discoms was formulated and approved by the Government, keeping in view the declining operational performance and financial health of State Discoms. Under the Transitional Finance Mechanism, the State Government will take over 50% of the outstanding short term liabilities (STL) of the DISCOMs as on March 31, 2012. The State Government will provide support in payment of interest and repayment of principal till the date of takeover by issuing special securities. The balance 50% Short term Liabilities will be rescheduled by the lenders at the best possible terms with moratorium on principal repayment. The scheme contains two tier monitoring mechanism by committees at Centre and State level to monitor the progress of the turnaround plan. Central Government would provide incentive by way of grant equal to the value of the additional energy saved by way of accelerated AT&C loss reduction beyond the loss trajectory specified under R-APDRP and capital reimbursement support of 25% of principal repayment by the State Government on the liability taken over by the State Government under the scheme.

Power Finance Corporation (PFC) and Rural Electrification Corporation (REC), CPSEs funding Power Sector Projects, have together disbursed transitional loans to State Dicoms amounting to Rs. 33,694 Crores. In addition REC and PFC together have also subscribed to UPPCL Bonds worth Rs. 2612 Crores.

In addition, Re-structured APDRP was approved on 31.07.2008 with total outlay of Rs. 51,577 crores keeping the focus on actual, demonstrable performance in terms of AT&C loss reduction on sustainable basis of Power Discoms. The Government of India has so far released Rs. 7142.61 Crore to State Power Discoms under the scheme.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4403
TO BE ANSWERED ON 20.02.2014

NHPC POWER PROJECTS

4403. SHRI SHIVKUMAR UDASI:
DR. M. THAMBIDURAI:
SHRIMATI BOTCHA JHANSHI LAKSHMI:

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

- (a) the details of hydro power projects constructed/under construction and their installed capacities, State-wise;
- (b) the power being generated by each of the hydel power projects along with the reasons for under utilisation of the installed capacity and the steps being taken by the Government to improve the efficiency of hydro power projects for generation of power as per their installed capacity;
- (c) the total expenditure incurred on setting up of each of the power projects of the national Hydro Power Corporation Limited (NHPC) including in Karnataka and the depreciated book value of each of these power projects as on date, project-wise;
- (d) the terms under which the land used for these projects were acquired and the details of the compensation paid to the land losers in this regard, project-wise;
- (e) the details of the improvement/modernisation carried out to increase the output of various hydel power projects and the funds allocated and spent for the purpose during each of the last three years and the current year, State-wise; and
- (f) whether various hydro power projects with a combined capacity of 40,000 Mega Watt allotted to the private sector in various States are yet to take off and if so, the details thereof along with the reasons for delay 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 hydro-electric projects (HEPs) constructed and their installed capacities, State-wise, along with their generation capacity is given at given Annex-I.

The details of under construction HEPs and their installed capacity is given at **Annex-II**.

(c) : Details of total expenditure incurred on setting up of each of NHPC's power projects (Power Stations / under construction projects) and depreciated book value of these power stations as on 31.12.2013, are given at **Annex-III**.

(d) : In NHPC, various categories of land viz. forest, government and private have been acquired for construction of the HEPs. Private land is acquired by the State Govt. in accordance with the provisions of Land Acquisition Act (LAA) of the Central Government. For the forest land, Forest clearance is obtained under Forest (Conservation) Act, 1980 from the Ministry of Environment and Forests. As per condition, the status of the forest land remains unchanged. In some cases, land is also taken on lease in accordance with the rules of the State viz., J&K. The rate at which compensation for private land is provided is decided/approved by the concerned State Government Revenue Authority as per land classification. The value of compensation depends upon type of land (irrigated / un-irrigated / homestead / horticultural, etc). Moreover, a solatium amounting to 30% of the total value / as decided by the State is also paid. The monetary benefits under compensation for private land are disbursed by the Revenue Department of the State Government to the project affected people.

(e) : To increase the output from various hydel power projects, the generating utilities in the country undertake Renovation, Modernisation, Uprating and Life Extension (RMU&LE) works in the existing old hydro electric power projects, which is a cost effective measure to improve efficiency & better availability, extend operational life in case of life extension works and capacity addition in case of uprating works. The details of estimated cost and expenditure incurred for Renovation and Modernisation of hydro power projects completed/under implementation during last three years and current year is given, state-wise, at Annex-IV.

(f) : DPRs of 20 Nos. of HEPs with an aggregate installed capacity of 14680 MW have been concurred by CEA in private sector since 2002-03 and they are under various stages of statutory clearances/concurrence, causing delays in construction.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 4403 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

INSTALLED CAPACITY AND CONTRIBUTION IN TOTAL GENERATION OF H.E. STATION (IC ABOVE 25 MW) IN THE COUNTRY DURING THE YEAR 2013-14

Name of the Stations	Installed Capacity as on 31.01.2014(MW)	Contribution in total Generation 2013-14* (Upto Jan 30, 2014) (MU)
NORTHERN REGION		
CENTRAL		
BBMB		
1. Bhakra L&R (Himachal Pradesh)	1325.00	5425.34
2. Ganguwal (Punjab)	77.65	440.00
3. Kotla (Punjab)	77.65	415.24
4. Dehar (Himachal Pradesh)	990.00	2887.24
5. Pong (Himachal Pradesh)	396.00	1494.23
Total BBMB	2866.30	10662.05
NHPC		
1. Baira Siul (Himachal Pradesh)	198.00	526.66
2. Salal-I & II (Jammu & Kashmir)	690.00	2886.42
3. Tanakpur (Uttarakhand)	94.20	382.70
4. Chamera-I (Himachal Pradesh)	540.00	2078.81
5. Chamera-II (Himachal Pradesh)	300.00	1289.57
6. Chamera-III (Himachal Pradesh)	231.00	889.07
7. Uri (Jammu & Kashmir)	480.00	2102.26
8. Uri-II (Jammu & Kashmir)	180.00	211.12
9. Dhauliganga (Uttarakhand)	280.00	282.31
10. Dulhasti (Jammu & Kashmir)	390.00	1987.80
11. Sewa-II (Jammu & Kashmir)	120.00	382.76
12. Chutak (Jammu & Kashmir)	44.00	28.09
13. Nimboo Bazdo (Jammu & Kashmir)	45.00	32.13
Total NHPC	3592.20	13079.70
SJVNL		
1. Nathpa Jhakri (Himachal Pradesh)	1500.00	6779.41
THDC		
1. Tehri (Uttarakhand)	1000.00	3625.52
2. Koteswar (Uttarakhand)	400.00	1344.56
Total THDC	1400.00	4970.08
Total Central	9358.50	35491.24
HIMACHAL PRADESH		
HPSEBL		
1. Giri Bata	60.00	192.71
2. Bassi	60.00	202.44
3. Sanjay	120.00	504.49
4. Larji	126.00	548.31
Total HPSEBL	366.00	1447.95
MALANA POWER CO. LTD. (MPCL)		
1. Malana	86.00	311.21
JAIPRAKASH POWER VENTURE LTD.(JPVL)		
1. Baspa-II	300.00	1288.65
2. Karcham Wangtoo	1000.00	4438.98
TOTAL JPVL (HP)	1300.00	5727.63
ALLAIN DUHANGAN HYDRO POWER LTD (PVT)		
1. Allain Duhagan (Pvt.)	192.00	678.83

LANCO GREEN POWER LTD		
1. Budhil (Pvt.)	70.00	236.87
EVEREST POWER PRIVATE LTD		
1. Malana - II (Pvt.)	100.00	337.07
Total H.P.	2114.00	8739.56
JAMMU & KASHMIR		
JKSPDC		
1. Lower Jhelum	105.00	429.81
2. Upper Sindh II	105.00	263.73
3. Baglihar	450.00	2513.69
Total JKSPDC	660.00	3207.23
RAJASTHAN		
RRVUNL		
1. R.P. Sagar	172.00	407.13
2. Jawahar Sagar	99.00	252.25
3. Mahi Bajaj I&II	140.00	181.15
Total RRVUNL	411.00	840.53
PUNJAB		
PSPCL		
1. Shanan	110.00	314.29
2. Mukerian I-IV	207.00	996.37
3. A.P.Sahib I&II	134.00	629.38
4. Ranjit Sagar (Thien Dam)	600.00	1447.50
Total PSPCL	1051.00	3387.54
UTTAR PRADESH		
UPJVNL		
1. Rihand	300.00	431.44
2. Obra	99.00	176.47
3. Matatilla	30.60	98.50
4. Khara	72.00	362.33
Total UPJVNL	501.60	1068.74
UTTARAKHAND		
UJVNL		
1. Khatima	41.40	101.67
2. Ram Ganga	198.00	205.25
3. Dhakrani (Y.St.I)	33.75	149.34
4. Dhalipur (Y.St.I)	51.00	222.52
5. Kulhal (Y.St.IV)	30.00	154.51
6. Chibro (Y.St.II)	240.00	840.75
7. Chilla	144.00	696.35
8. Khodri (Y.St.II)	120.00	383.82
9. Maneri Bhali-I	90.00	345.22
10. Maneri Bhali-II	304.00	784.79
Total UJVNL	1252.15	3884.22
JAIPRAKASH POWER VENTURE LTD.(JPVL)		
1. Vishnu Prayag	400.00	437.90
Total UTTARAKHAND	1652.15	4322.12
Total NORTHERN REGION	15748.25	57056.96
WESTERN REGION		
GUJARAT		
SSNNL		
1. Sardar Sarovar CHPH	250.00	567.09
2. Sardar Sarovar RBPH	1200.00	4543.00
Total SSNNL	1450.00	5150.09
GSECL		
1. Ukai	300.00	704.65
2. Kadana PSS	240.00	391.91
Total GSECL	540.00	1096.56
Total GUJARAT	1990.00	6246.65

MADHYA PRADESH		
CENTRAL/ COMMON		
NHDC		
1. Indira Sagar	1000.00	3600.65
2. Omkareshwar	520.00	1413.23
TOTAL NHDC	1520.00	5013.88
MPPGCL		
1. Gandhi Sagar	115.00	336.72
2. Pench	160.00	376.46
3. Bargi	90.00	447.27
4. Madhikhera	60.00	119.71
5. Bansagar Tons-I	315.00	1374.40
6 Bansagar Tons-II	30.00	144.09
7 Bansagar Tons-III	60.00	100.59
8. Rajghat	45.00	53.33
Total MPPGCL	875.00	2952.57
Total M.P.	2395.00	7966.45
CHHATISGARH		
CSPGC		
1. Hasdeo Bango	120.00	236.50
Total CSPGC	120.00	236.50
MAHARASHTRA		
MAHAGENCO		
1. Koyna St.I& II	600.00	1072.22
2. Koyna St.III	320.00	598.28
3. Koyna IV	1000.00	1389.20
4. Koyna DPH	36.00	131.67
5. Vaitarna	60.00	115.72
6. Tillari	60.00	93.31
7. Bhira Tail Race	80.00	85.32
8. Ghatghar PSS	250.00	299.71
Total MAHAGENCO	2406.00	3785.43
DODSON-LINDBLOM HYDRO POWER PVT. LTD. (DLHP)		
1.Bhandardhara - II	34.00	68.70
Total DLHP	34.00	68.70
TATA HYDRO		
1. Bhira	150.00	340.49
2. Bhira PSS	150.00	517.35
3. Bhivpuri	75.00	239.78
4. Khopoli	72.00	281.31
Total Tata	447.00	1378.93
Total Maharashtra	2887.00	5233.06
Total Western	7392.00	19682.66
SOUTHERN REGION		
ANDHRA PRADESH		
APGENCO		
1. Machkund	114.75	484.15
2. T.B.Dam & Hampi	72.00	149.38
3. Upper sileru I&II	240.00	360.86
4. Lower Sileru	460.00	1057.98
5. N.J.Sagar PSS	815.60	1155.87
6. N.J.Sagar RBC	90.00	246.25
7. N.J.Sagar LBC	60.00	98.32
8. Srisaillam RB	770.00	1056.86
9. Pochampad	27.00	62.05
10.Srisaillam LB	900.00	1307.13
11. Priyadarshni	234.00	271.23
Total APGENCO	3783.35	6250.08
Total A.P.	3783.35	6250.08

KARNATAKA		
KPCL		
1. Sharavathy	1035.00	4432.15
2. Kalinadi	855.00	1939.68
3. Supa DPH	100.00	342.63
4. Bhadra	39.20	47.29
5. Lingnamakki	55.00	217.97
6. Varahi	460.00	1044.11
7. Ghatprabha	32.00	78.09
8. Kadra	150.00	304.22
9. Kodalali	120.00	259.45
10. Gerusoppa	240.00	510.36
11. Almatti Dam	290.00	489.91
12. Jog	139.20	201.52
13. Shivasamudram	42.00	199.49
14. Munirabad	28.00	95.34
Total KPCL	3585.40	10162.21
Total Karnataka	3585.40	10162.21
KERALA		
KSEB		
1. Idukki	780.00	2254.35
2. Sabarigiri	300.00	1373.82
3. Kuttiadi	125.00	767.69
4. Kuttiadi Addn. Extn.	100.00	
5. Sholayar	54.00	175.57
6. Sengulam	48.00	122.47
7. Nariamangalam	70.00	334.63
8. Pallivasal	37.50	181.01
9. Poringalkuthu	32.00	114.64
10. Panniar	30.00	149.66
11. Idamalayar	75.00	319.70
12. Lower Periyar	180.00	569.69
13. Kakkad	50.00	210.43
Total KSEB	1881.50	6573.66
Total Kerala	1881.50	6573.66
TAMIL NADU		
TANGEDCO		
1. Pykara	59.20	53.74
2. Moyar	36.00	126.40
3. Kundah I-V	555.00	1267.16
4. Parson's Valley	30.00	37.89
5. Suruliyar	35.00	91.94
6. Aliyar	60.00	136.60
7. Mettur Dam & Tunnel	250.00	456.05
8. Lower Mettur I-IV	120.00	238.27
9. Periyar	140.00	463.20
10. Papansam	32.00	125.65
11. Sarkarpathy	30.00	102.81
12. Sholayar I&II	95.00	245.12
13. Kodayar I&II	100.00	103.14
14. Kadamparai PSS	400.00	394.10
15. Pykara Ultimate	150.00	343.61
16. Bhawani Kattalai Barrage-I	30.00	56.67
17. Bhawani Kattalai Barrage-II	30.00	74.55
18. Bhawani Kattalai Barrage-III	30.00	25.04
Total TANGEDCO	2182.20	4341.94
Total Southern	11432.45	27327.89

EASTERN REGION		
JHARKHAND		
JSEB		
1. Subernarekha I&II	130.00	108.89
Total Jharkhand	130.00	108.89
DVC		
1. Maithon (West Bengal)	63.20	78.69
2. Panchet (Jharkhand)	80.00	115.66
Total DVC	143.20	194.35
ODISHA		
OHPC		
1. Balimela	510.00	1553.34
2. Hirakud I&II	347.50	937.47
3. Rengali	250.00	861.41
4. Upper Kolab	320.00	750.63
5. Upper Indravati	600.00	2050.28
Total OHPC	2027.50	6153.13
WEST BENGAL		
WBSIEDCL		
1. Jaldhaka - I	27.00	143.07
2. Ramman II	50.00	247.94
3. Purulia PSS	900.00	568.35
Total WBSIEDCL	977.00	959.36
NHPC		
1. Teesta Low Dam-III	132.00	186.95
Total NHPC WB	132.00	186.95
Total West Bengal	1109.00	1146.31
SIKKIM		
NHPC		
1. Rangit	60.00	329.67
2. Teesta-V	510.00	2219.23
Total NHPC (Sikkim)	570.00	2548.90
PRIVATE SECTOR		
GATI INVESTMENTS PVT LTD		
1. Chuzachen	99.00	275.24
Total Eastern	4078.70	10426.81
NORTH EASTERN REGION		
ASSAM		
APGCL		
1. Karbi Langpi	100.00	394.05
MEGHALAYA		
MeECL		
1. Kyrdemkulai	60.00	125.99
2. Umium St.I	36.00	68.79
3. Umium St. IV	60.00	167.44
4. Myntdu	126.00	405.87
Total MeECL	282.00	768.09
NEEPCO		
1. Khandong (Assam)	50.00	175.42
2. Kopili (Assam)	225.00	789.34
3. Doyang (Nagaland)	75.00	235.50
4. Ranganadi (Arunachal Pradesh)	405.00	908.36
Total NEEPCO	755.00	2108.62
NHPC		
1. Loktak (Manipur)	105.00	580.50
Total Central	860.00	2689.12
Total N.Eastern	1242.00	3851.26
TOTAL ALL INDIA	39893.40	118345.58
IMPORT FROM BHUTAN		5528.56
TOTAL ALL INDIA	39893.40	123874.14
*Tentative		

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 4403 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Hydro Electric Projects- under construction in the Country					
(above 25 MW) As on 31.01.2014					
Sl. No.	Name of Scheme	Sector	I.C.	Cap. Under Execution (MW)	Comm. Latest
			(No. x MW)		
Andhra Pradesh					
1	Lower Jurala	State	6x40	240.00	2013-16
2	Nagarujana Sagar TR	State	2x25	50.00	2014-15
3	Pulichintala	State	4x30	120.00	2015-17
Sub-total: Andhra Pradesh				410.00	
Arunachal Pradesh					
4	Kameng (NEEPCO)	Central	4x150	600.00	2016-17
5	Pare (NEEPCO)	Central	2x55	110.00	2015-16
6	Subansiri Lower (NHPC)	Central	8x250	2000.00	2016-18
Sub-total: Arunachal Pradesh				2710.00	
Himachal Pradesh					
7	Kol Dam (NTPC)	Central	4x200	800.00	2015-16
8	Parbati St. II (NHPC)	Central	4x200	800.00	2016-17
9	Parabati-III (NHPC)	Central	4x130	520.00	2013-15
10	Rampur (SJVNL)	Central	6x68.67	412.00	2013-15
11	Uhl-III	State	3x33.33	100.00	2015-16
12	Swara Kuddu	State	3x37	111.00	2015-16
13	Sainj	State	2x50	100.00	2015-16
14	Shongtong Karcham	State	3x150	450.00	2017-18
15	Kashang -I	State	1x65	65.00	2015-16
16	Kashang -II & III	State	2x65	130.00	2015-16
17	Bajoli Holi	Private	3x60	180.00	2017-18
18	Sorang	Private	2x50	100.00	2013-14
19	Tangnu Romai	Private	2x22	44.00	2015-16
20	Tidong-I	Private	100.00	100.00	2016-17
21	Chanju-I	Private	3x12	36.00	2017-18
Sub-total: Himachal Pradesh				3948.00	
Jammu & Kashmir					
22	Baglihar- II	State	3x150	450.00	2016-17
23	Kishanganga (NHPC)	Central	3x110	330.00	2016-17
24	Ratle	Private	4x205 + 1x30	850.00	2017-18
25	Uri-II (NHPC)	Central	4x60	60.00	2013-14
Sub-total: Jammu & Kashmir				1690.00	
Kerala					
26	Pallivasal	State	2x30	60.00	2015-16
27	Thottiyar	State	1x30+1x10	40.00	2015-16
Sub-total: Kerala				100.00	
Madhya Pradesh					
28	Maheshwar	Private	10x40	400.00	2015-16
Sub-total: Madhya Pradesh				400.00	
Maharashtra					
29	Koyna Left Bank	State	2x40	80.00	2017-18
Sub-total: Maharashtra				80.00	
Meghalaya					
30	New Umtru	State	2x20	40.00	2014-15
Sub-total: Meghalaya				40.00	

	Mizoram				
31	Tuirial	Central	2x30	60.00	2016-17
	Sub-total: Mizoram			60.00	
	Punjab				
32	Shahpurkandi	State	3x33+3x33+1x8	206.00	2017-18
	Sub-total: Punjab			206.00	
	Sikkim				
33	Bhasmey	Private	3x17	51.00	2015-16
34	Dikchu	Private	3x32	96.00	2017-18
35	Jorethang Loop	Private	2x48	96.00	2014-15
36	Rangit-IV	Private	3x40	120.00	2016-17
37	Rangit-II	Private	2x33	66.00	2017-18
38	Rongnichu	Private	2x48	96.00	2017-18
39	Tashiding	Private	2x48.5	97.00	2017-18
40	Teesta St. III	Private	6x200	1200.00	2014-16
41	Teesta St. VI	Private	4x125	500.00	2015-16
	Sub-total: Sikkim			2322.00	
	Uttarakhand				
42	Lata Tapovan (NTPC)	Central	3x57	171.00	2017-18
43	Phata Byung	Private	2x38	76.00	2015-16
44	Shrinagar	Private	4x82.5	330.00	2015-16
45	Singoli Bhatwari	Private	3x33	99.00	2015-16
46	Tapovan Vishnugad (NTPC)	Central	4x130	520.00	2016-17
47	Tehri PSS (THDC)	Central	4x250	1000.00	2017-18
	Sub-total: Uttarakhand			2196.00	
	West Bengal				
48	Teesta Low Dam-IV (NHPC)	Central	4x40	160.00	2015-16
	Sub-total: West Bengal			160.00	
	Total:			14322.00	

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 4403 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

(Rupees in Crore)			
Total Expenditure Incurred & Depreciated Book Value of Power Stations			
	State	Gross Block as on 31.12.2013	Depreciated Value as on 31.12.2013
SALAL	J&K	981.21	413.1
URI - I	J&K	3501.1	1936.42
DULHASTI	J&K	5234.04	3659.9
SEWA-II	J&K	1089.1	894.77
URI - II	J&K	2034.78	2012.24
NIMMO BAZGO	J&K	943.69	933.05
CHUTAK	J&K	833.27	788.88
BAIRASIUL	Himachal	209.51	63.9
CHAMERA-I	Himachal	2178.83	1050.62
CHAMERA-II	Himachal	2093.49	1285.11
CHAMERA-III	Himachal	1955.12	1801.5
LOKTAK	Manipur	172.33	52.46
TANAKPUR	Uttarakhand	420.5	214.85
DHAULIGANGA-I	Uttarakhand	1770.37	1185.41
RANGIT	Sikkim	510.14	299.6
TEESTA-V	Sikkim	2885.78	2103.84
TLDP-III	West Bengal	1853.66	1784.43
	Sub-total	28666.92	20480.08
Total Expenditure Incurred on Projects Under Construction			
KISHANGANGA	J&K		3055.34
PARBATI -II	Himachal		4332.28
PARBATI-III	Himachal		2347.05
Subansiri Lower	Arunachal & Assam		6577.53
TLDP-IV	West Bengal		1437.68
	Sub-total		17749.88
Total Expenditure Incurred on Projects under Survey & Investigation			
BURSUR	J&K		148.11
Subansiri Upper	Arunachal		44.78
DIBANG	Arunachal		145.46
TAWANG	Arunachal		125.24
KOTLIBHEL 1A	Uttarakhand		141.34
KOTLIBHEL 1B & II	Uttarakhand		90.35
DhI Intermediate	Uttarakhand		12.98
TEESTA-IV	Sikkim		76.59
	Sub-total		784.85

ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 4403 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

State-wise List of Hydro RM&U schemes completed/under implementation during last three years and current year

As on 31.12.2013

S. No	Project, Agency	CS/ SS	Inst. Cap. (MW)	Est. Cost (Prov.)	Actual Exp.	Benefits (MW)	Category	Year of Completion
				(Rs. in Crs.)				
Completed Schemes								
Himachal Pradesh								
1	Dehar Ph. A BBMB	CS	6x165	11.00	6.936		R&M	2010-11
Karnataka								
2	Lingnamakki, KPCL	SS	2x27.5	3.81	2.62	-	R&M	2010-11
Maharashtra								
3	Koyna St.III, MSPGCL	SS	4x80	16.65	5.79	320 (LE)	RM&LE	2011-12
Manipur								
4	Loktak, NHPC	CS	3x30 derated	18.55	17.88	15.00 (Res.)	R&M + Res.	2011-12
Meghalaya								
5	Umium St.II, MeSEB	SS	2x9	90.46	55.67	2(U)+ 18.00 (LE)	RM&LE	2011-12
Odisha								
6	Rengali Unit-1 OHPC	SS	1x50	47.50	36.76	50(LE)	RM&LE	2012-13
7	Rengali Unit-2 OHPC	SS	1x50	25.2	20.73	50(LE)	R&M	2013-14
Andhra Pradesh								
8	Nagarjuna Sagar, APGENCO	SS	1x110+ 7x100.8	33.35	13.90	-	R&M	2012-13
9	Idamalayar, KSEB	SS	2x37.5	14.50	13.22	-	R&M	2012-13
10	Lower Sileru, APGENCO	SS	4x115	8.75	6.77	-	R&M	2013-14
	Sub Total(A)		2923.60	269.77	180.28	455 (2 (U) +438 (LE)+ 15 (Res.))		
Ongoing Schemes - Under Implementation								
Himachal Pradesh								
11	Bassi, HPSEB	SS	4x16.5	119.83	155.33 (as on 31.07.13)	6.0(U)+ 60 (LE)	RMU&LE	2013-14
Jammu & Kashmir								
12	Sumbal Sindh, J&KSPDC	SS	2x11.3	45.92	25.14 (as on 30.09.13)	-	R&M	2013-14
13	Lower Jhelum, J&KSPDC	SS	3x35	126.41	83.65 (as on 30.09.13)	15.00 (Res.)	R&M+ Res.	2013-14
Andhra Pradesh								
14	Srisaillam RB, APGENCO	SS	7x110	16.70	6.74 (as on 30.09.13)	-	R&M	2013-14
Karnataka								
15	Supa, KPCL	SS	2x50	3.45	3.88 (as on 31.03.13)	-	R&M	2013-14
Kerala								
16	Sabirigiri, KSEB Unit-4	SS	1x60	52.2	49.79 (as on 30.06.13)	5(UR)	RMU&LE	2013-14
Assam								
17	Kopili, NEEPCO	CS	2x50	50.22	29.19 (as on 31.03.13)	-	R&M & Refurbishment of Units 1 & 2	2013-14
	Sub Total (B)		1223.60	414.73	353.72	86 (11 (U)+60 (LE)+ 15 (Res.))		
	Total (A+B)		4147.20	684.50	534	541 [13(U) + 498 (LE) + 15 (Res.)]		

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4409
TO BE ANSWERED ON 20.02.2014

PROVISIONS IN ELECTRICITY ACT, 2003

†4409. SHRI ANJAN KUMAR M. YADAV:
SHRI HARISH CHAUDHARY:
SHRI GORAKH PRASAD JAISWAL:
SHRIMATI RAJKUMARI RATNA SINGH:

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

- (a) whether there is any provision under the Electricity Act, 2003 to ensure quality, regularity and credibility of services to be provided by the private power distribution companies operating in the country;
- (b) if so, the details thereof along with the details of the provisions in the said Act to take action against such companies that does not comply with the same;
- (c) the details of the private power distribution companies against whom action has been taken under the said Act during each of the last three years and the current year along with the reasons therefor; and
- (d) the outcome of the action taken in this regard?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : Section 86 (1) (i) empowers the State Commissions to specify and enforce the standards with respect to quality, continuity and reliability of service by licensees. The State Commissions specify the Standards of Performance for all the distribution licensees including private distribution licensees under section 57 of the Electricity Act, 2003.

If a distribution licensee fails to meet the standards specified, it is liable to pay compensation to the person affected as may be determined by the Appropriate Commission. Further, section 142 of the Act provides for punishment for non-compliance of the directions by the Appropriate Commission. Relevant extracts of section 57 to 59, section 86 and section 142 of the Act are enclosed as **Annex**.

(c) & (d) : The Forum of Regulators has evolved model regulations on standards of performance for distribution licensees. The model regulations specify, inter-alia, the guaranteed standards of performance, which are the minimum standards of service that a distribution licensee shall achieve. The failure of licensee to achieve the guaranteed standards of service will entail payment of compensation to the consumer as specified in the model regulations. The Appropriate Commissions have been entrusted with the responsibility of overseeing the performance of the Discoms.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 4409 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Relevant Sections of Electricity Act,2003

Section 57. (Consumer Protection: Standards of performance of licensee): (1) The Appropriate Commission may, after consultation with the licensees and persons likely to be affected, specify standards of performance of a licensee or a class of licensees.

(2) If a licensee fails to meet the standards specified under sub-section (1), without prejudice to any penalty which may be imposed or prosecution be initiated, he shall be liable to pay such compensation to the person affected as may be determined by the Appropriate Commission:

Provided that before determination of compensation, the concerned licensee shall be given a reasonable opportunity of being heard.

(3) The compensation determined under sub-section (2) shall be paid by the concerned licensee within ninety days of such determination.

Section 58. (Different standards of performance by licensee):

The Appropriate Commission may specify different standards under subsection (1) of section 57 for a class or classes of licensee.

Section 59. (Information with respect to levels of performance): --- (1) Every licensee shall, within the period specified by the Appropriate Commission, furnish to the Commission the following information, namely:-

- (a) the level of performance achieved under sub-section (1) of the section 57;
- (b) the number of cases in which compensation was made under subsection (2) of section 57 and the aggregate amount of the compensation.

(2) The Appropriate Commission shall at least once in every year arrange for the publication, in such form and manner as it considers appropriate, of such of the information furnished to it under sub-section (1).

Section 86. (Functions of State Commission): — (1) The State Commission shall discharge the following functions, namely:

- (a) determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be, within the State:

Provided that where open access has been permitted to a category of consumers under section 42, the State Commission shall determine only the wheeling charges and surcharge thereon, if any, for the said category of consumers:

- (b) regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State;
- (c) facilitate intra-State transmission and wheeling of electricity;
- (d) issue licences to persons seeking to act as transmission licensees, distribution licensees and electricity traders with respect to their operations within the State;

- (e) promote co-generation and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person, and also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution licensee;
- (f) adjudicate upon the disputes between the licensees, and generating companies and to refer any dispute for arbitration;
- (g) levy fee for the purposes of this Act;
- (h) specify State Grid Code consistent with the Grid Code specified under clause (h) of sub-section (1) of section 79;
- (i) specify or enforce standards with respect to quality, continuity and reliability of service by licensees;
- (j) fix the trading margin in the intra-State trading of electricity, if considered, necessary; and
- (k) discharge such other functions as may be assigned to it under this Act.

(2) The State Commission shall advise the State Government on all or any of the following matters, namely :-

- (i) promotion of competition, efficiency and economy in activities of the electricity industry;
- (ii) promotion of investment in electricity industry;
- (iii) reorganization and restructuring of electricity industry in the State;
- (iv) matters concerning generation, transmission , distribution and trading of electricity or any other matter referred to the State Commission by that Government.

(3) The State Commission shall ensure transparency while exercising its powers and discharging its functions.

(4) In discharge of its functions, the State Commission shall be guided by the National Electricity Policy, National Electricity Plan and tariff policy published under section 3.

Section 142. (Punishment for non-compliance of directions by Appropriate Commission):

In case any complaint is filed before the Appropriate Commission by any person or if that Commission is satisfied that any person has contravened any of the provisions of this Act or the rules or regulations made thereunder, or any direction issued by the Commission, the Appropriate Commission may after giving such person an opportunity of being heard in the matter, by order in writing, direct that, without prejudice to any other penalty to which he may be liable under this Act, such person shall pay, by way of penalty, which shall not exceed one lakh rupees for each contravention and in case of a continuing failure with an additional penalty which may extend to six thousand rupees for every day during which the failure continues after contravention of the first such direction.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4415
TO BE ANSWERED ON 20.02.2014

POWER REFORMS

4415. SHRI DHARMENDRA YADAV:
SHRI ADHALRAO PATIL SHIVAJI:
SHRI GAJANAN D. BABAR:
SHRI ANANDRAO ADSUL:

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

- (a) whether the Prime Minister has expressed concerns over the delays in implementing power reforms, awarding mega transmission projects and commissioning of Ultra Mega Power Projects (UMPPs) and continued shortfall in power generation in the country;
- (b) if so, the details thereof;
- (c) whether the poor progress in the power sector could have an adverse impact on economic growth;
- (d) if so, the details thereof; and
- (e) the steps taken/proposed to be taken by the Government to speed up the implementation of power reforms, creation of mega transmission projects and commissioning of Ultra Mega Power Projects etc. so as to meet the power requirements of the country?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : No, Madam.

(c) to (e) : The reforms in Power Sector in the country are an on-going process and have led to continuous improvement in availability of power to consumers. The steps taken by the Government of India to take the Power Sector forward include

putting in place a liberal and progressive legal framework with features like open access and no requirement of license for generation, an independent regulatory framework at Centre and State levels, the Restructured Accelerated Power Development and Reforms Programme (R-APDRP) for assisting the States in investment in sub-transmission and distribution segments and also for incentivizing better financial performance by the State Power utilities, the Tariff Policy which provides for competitive procurement of power in a transparent manner etc.

This has led to installation of new Generation capacity of 54,964 MW during 11th Plan, the highest ever achieved in any five year plan period.

The capacity addition target during 12th Five Year Plan (2012-17) is 88,537 MW from conventional sources. This is expected to meet the projected demand for power in the country by the terminal year of 12th Five Year Plan.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4421
TO BE ANSWERED ON 20.02.2014

ACQUISITION OF POWER PLANTS BY NTPC

4421. SHRI P. KUMAR:
SHRI DHRUVA NARAYANA:

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

- (a) whether the National Thermal Power Corporation Limited (NTPC) is evaluating seven coal based power plants in the country for acquisition;
- (b) if so, the details and the present status thereof, plant-wise;
- (c) the existing power generation capacity of the power plants of the NTPC; and
- (d) the details of the capacity addition of power proposed by NTPC by the end of the 12th Five Year Plan period over and above the existing capacity?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) & (b) : NTPC is not evaluating any coal based power plants in the country for acquisition presently.

(c) : As of now, the power generation capacity of NTPC (including its JVs and Subsidiaries) is 42,464 MW.

(d) : NTPC proposes to add 8,708 MW by the end of 12th Five Year Plan Period over and above the existing capacity. Details are at Annex.

ANNEX

ANNEX REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 4421 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

Details of projects for capacity addition in balance period of 12th Plan

Sl. No.	Project	State	Capacity (MW)
1.	Bongaigaon	Assam	750
2.	Barh II	Bihar	660
3.	Nabinagar-JV	Bihar	1000
4.	Kanti Muzaffarpur Exp. - JV	Bihar	390
5.	Barh-I	Bihar	1980
6.	Kol Dam HEP	Himachal Pradesh	800
7.	Kudgi	Karnataka	1600
8.	Vindhyachal-V	Madhya Pradesh	500
9.	Vallur JV	Tamil Nadu	500
10.	Tapovan Vishnugad	Uttarakhand	520
11.	Singrauli Small HEP	Uttar Pradesh	8
	Total Capacity under construction		8708

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4439
TO BE ANSWERED ON 20.02.2014

DISINTEGRATION OF POWER SUPPLY

4439. SHRI M. KRISHNASSWAMY:

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

- (a) whether the Government proposes for disintegration of power supply and the distribution network for providing electricity supply to consumers; and
- (b) if so, the details and the present status thereof?

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. In order to bring further competition and efficiency in distribution sector, a proposal for amendments in the Electricity Act, 2003, including separation of power supply and the distribution network business were uploaded on the website of Ministry of Power on 17th October, 2013 and also circulated to all stakeholders for comments. Based on comments received from stakeholders and further deliberations held in this regard, suitable amendments are under finalization.

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4448
TO BE ANSWERED ON 20.02.2014

ACHIEVEMENTS UNDER RGGVY

4448. SHRI HEMANAND BISWAL:

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

- (a) the details of the achievements of various projects under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) in various States including Odisha along with the village electrification infrastructure created thereunder;
- (b) the details of the villages electrified under the projects during the last three years, State/UT-wise;
- (c) the time by which electrification is likely to be completed in Odisha particularly in the Sundargarh region; and
- (d) the target fixed and achieved for electrification under RGGVY during the 11th 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) & (b) : Under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), 648 projects have been sanctioned in the country during X & XI Plan covering electrification of 1,12,027 un/de-electrified villages, intensive electrification of 3,81,942 partially electrified villages and release of free electricity connection to 2.76 crore BPL households. Cumulatively as on 31.01.2014, the electrification works in 1,08,099 un/de-electrified villages, intensive electrification of 3,05,638 partially electrified villages have been completed and free electricity connection to 2.15 crore BPL households have been released in the country including Odisha, by creating matching infrastructure. The details of achievements made during last three years are at **Annex**.

(c) : Government of India has approved continuation of RGGVY in XII Plan for electrification of left out villages and habitations having population 100 and above. Under XII Plan, 30 projects have been sanctioned in Odisha, covering electrification of 3,113 un-electrified villages and 38,298 partially electrified villages and release of free electricity connections to 15,14,598 BPL households including that of district Sundargarh covering 148 un-electrified villages, 1,362 partially electrified villages and release of free electricity connection to 79,246 BPL households. The approved 12th Plan Projects are to be completed within 24 months from the date of award of the contract by the Implementing Agency.

(d) : Under RGGVY, 413 projects (341 projects in Phase-I of XI Plan and 72 projects in Phase-II of XI Plan) have been sanctioned in the country, covering electrification of about 48,119 un-electrified villages, intensive electrification of 2,82,040 partially electrified villages and release of free electricity connection to 1.97 crore BPL households. Cumulatively, the electrification works in 44,525 un/de-electrified villages, intensive electrification of 2,07,988 partially electrified villages have been completed and free electricity connection to 1.38 crore BPL households have been released in the country, as on 31.01.2014, after creation of matching infrastructure in the village/habitation.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 4448 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

State wise achievement of un-electrified villages, partially electrified villages and release of free electricity connection to BPL households under RGGVY during last three years.													
SL. No.	District	Un-electrified Villages				Partially Electrified Villages				BPL Households			
		2010-11	2011-12	2012-13	Cumulative achievement as on 31.01.2014 (Includes ach. prior to 2010-11)	2010-11	2011-12	2012-13	Cumulative achievement as on 31.01.2014 (Includes ach. prior to 2010-11)	2010-11	2011-12	2012-13	Cumulative achievement as on 31.01.2014 (Includes ach. prior to 2010-11)
1	Andhra Pradesh*	0	0	0	0	1995	4099	965	26628	258751	98232	50570	2766614
2	Arunachal Pradesh	464	634	387	1955	388	303	220	1235	9205	11474	7140	47078
3	Assam	4086	1810	190	8119	5887	3013	618	12613	352237	232519	101260	1065857
4	Bihar	1937	1048	701	22929	2065	1145	830	5538	641016	405736	201081	2453891
5	Chhattisgarh	77	682	214	1201	4653	1744	1756	13664	196552	481971	64504	1025206
6	Gujarat*	0	0	0	0	3487	6947	1860	16527	420126	102134	26729	841865
7	Haryana*	0	0	0	0	106	605	1932	4684	90535	10617	19	199279
8	Himachal Pradesh	26	52	5	83	0	0	9475	10534	3637	5901	5200	16380
9	Jammu & Kashmir	45	35	28	201	404	674	443	3103	8452	13413	9072	66547
10	Jharkhand	3901	724	181	18121	941	592	224	5782	359213	111597	26070	1310103
11	Karnataka	1	2	1	58	2095	918	100	23482	48861	49604	24640	865511
12	Kerala*	0	0	0	0	8	0	144	516	1117	0	35755	106300
13	Madhya Pradesh	187	228	92	662	5899	6985	5992	27815	211816	352976	244422	1091368
14	Maharashtra*	0	0	0	0	17283	8086	4185	37195	403387	126317	21148	1206544
15	Manipur	143	345	0	616	147	155	161	585	4397	19421	37	29658
16	Meghalaya	13	1022	482	1744	344	476	686	2616	12880	30792	22727	95614
17	Mizoram	36	53	5	106	196	142	8	336	8129	6236	401	18886
18	Nagaland	43	22	9	91	296	348	344	1079	13434	10712	9048	43196
19	Odisha	5890	1039	119	14423	8838	6200	3464	26105	1435007	518324	78003	2849764
20	Punjab*	0	0	0	0	0	0	0	6030	28890	5528	26479	100404
21	Rajasthan	1258	182	138	4163	7348	3064	4011	33304	255939	85783	97324	1151780
22	Sikkim	20	5	0	25	325	50	8	383	7121	2179	417	9832
23	Tamil Nadu	0	0	0	0	4862	5130	-319	9673	115044	4083	-1754	501202
24	Tripura	65	49	16	144	192	224	154	645	36886	22015	18516	115157
25	Uttar Pradesh	23	0	3	27762	214	27	0	2982	15818	172574	3037	1062691
26	Uttarakhand	28	2	0	1511	572	339	193	9221	19596	5288	4035	269560
27	West Bengal	63	0	16	4185	8442	7698	4130	23363	925309	559476	220661	2199050
	Grand Total	18306	7934	2587	108099	76987	58964	41584	305638	5883355	3444902	1296541	21509337

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

GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4450
TO BE ANSWERED ON 20.02.2014

LOSS OF POWER

4450. SHRI A.K.S. VIJAYAN:
SHRI P. KUMAR:

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

- (a) whether more than twenty seven percent of the total power generated in the country is lost during transmission and if so, the details thereof;
- (b) whether India is a world leader in the power transmission business but lags behind in the transmission end;
- (c) if so, the details thereof along with the reasons therefor;
- (d) whether the power sector has low reliability and poor quality of electricity when it comes to the supply and the power grid is also very weak in the country and if so, the details thereof; and
- (e) the steps being taken/proposed to be taken by the Government to strengthen the power grid and to prevent the transmission losses?

A N S W E R

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

(SHRI JYOTIRADITYA M. SCINDIA)

(a) : As far as the transmission losses in inter-state transmission system are concerned, they are only of the order of 3-4% only which are due to inherent design of the system and is comparable with international standards. When we look at combined losses of both transmission and distribution, then as per the Central Electricity Authority's (CEA) report, the Transmission & Distribution losses in the country for the year 2011-12 was 23.65%. A statement indicating State-wise losses is given at **Annex**.

(b) to (d) : India is one of the world leaders in the transmission business. The Indian grid is one of the largest synchronously operating electrical grids in the world which has been evolved continuously by deploying advanced contemporary technologies and higher voltages.

As far as Inter-State Transmission is concerned, a robust and integrated pan-India transmission network has been established in the country and the availability of the same is maintained consistently over 99% which is at par with international standards. Also, the frequency and voltage level of the grid are maintained within the specified levels most of the time as per the Indian Electricity Grid Code (IEGC).

The consumers avail the power supply through the Distribution System which are managed by the Distribution Companies (Discoms). Discoms have to comply with the provisions of 'Standards of Performance' applicable to them and State Electricity Regulatory Commissions have been empowered to oversee the performance of the Discoms.

(e) : To strengthen the power grid, the Inter-state transmission system are planned and implemented as a part of evacuation system from Inter-State Generation Stations (ISGS) and also as system strengthening projects as and when required. Similarly the Intra-state transmission system are planned and implemented as a part of evacuation system from Intra state generation and system strengthening projects as and when required by the State Transmission Utilities. Use of Extra High Voltage transmission lines and HVDC lines are adopted for transmission of bulk power over long distances to minimize the transmission losses.

During XII Plan period, in order to strengthen the National Grid, about 40,000 circuit km of transmission lines and about 100,000 MVA of transformation capacity is planned to be added to POWERGRID ISTS network. The inter-regional power transfer capacity of National Grid is envisaged to be enhanced to about 65,550 MW by end of XII Plan from the present capacity of 36,450 MW.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 4450 TO BE ANSWERED IN THE LOK SABHA ON 20.02.2014.

PERCENTAGE TRANSFORMATION, TRANSMISSION AND DISTRIBUTION LOSSES
(INCLUDING ENERGY UNACCOUNTED FOR)

Region		STATES/UTs	2009-10	2010-11	2011-12
NR	1	HARYANA	31.00	29.66	28.58
	2	HIMACHAL PRADESH	20.52	22.22	18.62
	3	JAMMU & KASHMIR	67.35	63.27	61.78
	4	PUNJAB	23.39	25.10	23.08
	5	RAJASTHAN	29.99	27.87	27.94
	6	UTTAR PRADESH	33.15	34.01	32.35
	7	UTTARAKHAND	25.27	29.97	28.67
	8	CHANDIGARH	23.19	20.25	23.67
	9	DELHI	22.09	20.04	19.32
WR	1	GUJARAT	22.77	19.24	21.81
	2	MADHYA PRADESH	38.32	37.62	34.47
	3	CHHATTISGARH	18.62	15.06	16.45
	4	MAHARASHTRA	25.16	20.68	19.99
	5	D & N HAVELI	11.22	10.14	12.07
	6	GOA	16.99	15.27	12.43
	7	DAMAN & DIU	17.19	16.83	14.50
SR	1	ANDHRA PRADESH	18.37	16.59	17.46
	2	KARNATAKA	18.76	17.34	12.66
	3	KERALA	19.59	18.29	17.23
	4	TAMILNADU	18.41	13.47	16.34
	5	LAKSHADWEEP	11.59	25.65	22.47
	6	PUDUCHERRY	11.84	12.41	14.66
ER	1	BIHAR	43.58	50.77	50.89
	2	JHARKHAND	22.24	17.07	14.34
	3	ORISSA	37.00	42.47	44.63
	4	SIKKIM	39.01	33.67	31.12
	5	WEST BENGAL	18.33	22.40	23.19
	6	A & N ISLS.	19.76	20.68	18.16
NER	1	ASSAM	32.82	34.17	33.48
	2	MANIPUR	54.66	50.87	40.45
	3	MEGHALAYA	39.06	35.77	30.97
	4	NAGALAND	56.91	48.24	41.53
	5	TRIPURA	35.55	27.36	39.07
	6	ARUNACHAL PRADESH	48.04	47.12	46.25
	7	MIZORAM	53.80	45.63	47.73
All India			25.39	23.97	23.65
SOURCE : CEA.(GENERAL REVIEW)					
