

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.699
ANSWERED ON 28.04.2016**

POWER PLANT IN ANDHRA PRADESH

699. SHRI RAM MOHAN NAIDU KINJARAPU:

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

- (a) whether the Union Government plans to set up new power plants in the State of Andhra Pradesh in collaboration with the State Government; 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) FOR POWER,
COAL AND NEW & RENEWABLE ENERGY**

(SHRI PIYUSH GOYAL)

(a) & (b) : National Thermal Power Corporation (NTPC) proposes to set up a 4000 MW Thermal Power Project at Lalam Koduru (erstwhile Pudimadaka) in Vishakhapatnam Dist. in Andhra Pradesh. Feasibility Report of the Project has been approved on 28.11.2014. Further, NTPC is constructing 250 MW Solar PV Project at Ananthapur under Green Energy commitment to Government of India. In addition, Notice Inviting Tender (NIT) for the another 750 MW Solar PV Project at Ananthapur was issued on 21.08.2015.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.704
ANSWERED ON 28.04.2016**

ENCOURAGING GROWTH IN POWER SECTOR

704. SHRI R. PARTHIPAN:

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

- (a) whether the Indian Power sector has still not been able to induce and sustain the required capacity addition so as to match the ever-growing power demand of the country despite the encouraging growth trajectory in the energy space over the last few years;
- (b) if so, the details thereof;
- (c) the key challenges faced by the Government in this regard and the steps proposed to be taken in pursuance thereof;
- (d) whether the Government has any specific package for the overall development of power sector; and
- (e) if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : During the 12th Plan period, a target of 88,537 MW excluding 30,000 MW of Renewal Energy Source, was fixed for capacity addition. Against this, cumulative capacity addition of 84,990.7 MW has been achieved as on 31.03.2016.

(c) : Some of the key challenges faced by the Government are delay in land acquisition, environment and forest issues, rehabilitation & resettlement issues, natural calamities, law and order problems, local issues, contractual problems, delay in material supply, geological uncertainties, extreme weather conditions, difficult terrain and poor accessibility, funds constraints, force majeure risk, inter – state issues, Right of way problem (ROW) for transmission lines etc.

The following steps are taken for monitoring ongoing/delayed power projects for their timely completion:

- Central Electricity Authority (CEA) monitors the progress of under construction power projects through frequent site visits and interaction with the developers, equipment suppliers and other stakeholders to identify issues critical for commissioning of projects and help in resolving them.
- Regular reviews are also undertaken by Ministry of Power, Ministry of Heavy Industries and Cabinet Secretariat to identify the areas of constraint and facilitate faster resolution of inter- ministerial and other outstanding issues.

- **A Power Project Monitoring Panel (PPMP) has been set up by the Ministry of Power for monitoring of on-going Thermal and Hydro Generation projects targeted for commissioning during the 12th Plan and beyond along with the associated transmission system.**
- **Issues are also raised in PRAGATI, for proactive governance and timely implementation, as and when required.**

(d) & (e) : For development of Power Sector, the following schemes have been launched:

(I) Deendayal Upadhyaya Gram Jyoti Yojna (DDUGJY) for

- (i) Separation of agriculture and non-agriculture feeders facilitating judicious restoring of supply to agricultural & non-agriculture consumers in the rural areas; and**
- (ii) Strengthening and augmentation of sub-transmission & distribution infrastructure in rural areas, including metering of distribution transformers / feeders / consumers.**

The components at (i) and (ii) of the above scheme have an estimated outlay of Rs. 43,033 crore including a budgetary support of Rs. 33,453 crore from Government of India during the entire implementation period. In addition, the scheme of Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) has been subsumed in this scheme with an approved cost of Rs. 39,275 crore including budgetary support of Rs. 35,447 crore.

(II) Integrated Power Development Scheme (IPDS) with the following components:

- (i) Strengthening of sub-transmission and distribution networks in the urban areas; and**
- (ii) Metering of distribution transformers / feeders / consumers in the urban areas.**

The components at (i) and (ii) above have an estimated outlay of Rs. 32,612 crore including a budgetary support of Rs. 25,354 crore from Government of India during the entire implementation period. In addition, the scheme of Restructured Accelerated Power Development and Reforms Programme (R-APDRP) has been subsumed in this scheme with approved cost of Rs. 44,011 crore including budgetary support of Rs. 22,727 crore.

(III) National Smart Grid Mission (NSGM) for planning, monitoring and implementation of policies & programs related to development of smart grid in India.

The total estimated cost for NSGM activities for 12th Plan is Rs.980 crore including a budgetary support of Rs.338 crores. Under NSGM, 30% funding will be provided for development of Smart Grid in selected Smart Cities in the country along with development of micro grid in the Country.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.722
ANSWERED ON 28.04.2016**

NEW DISCOM SCHEME

722. SHRI ARJUN LAL MEENA

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

- (a) whether the Government has launched a new discom plan/scheme;**
- (b) if so, the objectives thereof;**
- (c) the assistance to be provided under the said scheme to the States;**
- (d) whether the Government has held any consultations with the States for implementing the said scheme;**
- (e) if so, the details and the outcome thereof; and**
- (f) the States that have signed an MoU in this regard?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

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

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

(d) to (f) : The Government has held detailed deliberations regularly with the stakeholders, namely State Governments, DISCOMs and financial institutions etc. for development as well as implementation of the scheme. So far, 10 States have already signed the Memorandum of Understanding (MoUs) under UDAY.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.724
ANSWERED ON 28.04.2016**

UTILIZATION OF POWER BY PUBLIC/PRIVATE SECTOR

†724. SHRI GOPAL SHETTY:

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

- (a) whether the power generation units in the country are in a position to fully utilise their installed capacity;**
- (b) if so, the details in this regard;**
- (c) if not, the reasons therefor; and**
- (d) the details of the utilisation difference of installed capacity between public sector and private sector power generation units during the last three years till date, year-wise?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (d) : The utilization of power generating station is dependent on a number of factors, like type / category of plant (hydro or thermal), design and age of the units, forced outages & planned maintenance, availability of water, availability of fuel, quality of fuel and schedule given by beneficiary states etc.

The details of the Plant load factor of Thermal and Nuclear power station for public sector (Central & State sector) and private sector during the last three years are given at Annex-I.

The details of Hydro generation during the last three years w.r.t. target comparing public sector (Central & State sector) and private sector is given at Annex-II.

ANNEX-I

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 724 ANSWERED IN THE LOK SABHA ON 28.04.2016.

Sector	Fuel	%PLF		
		2015-16*	2014-15	2013-14
Central	Coal / Lignite	72.48	73.96	76.11
	Gas / Liq Fuel	24.53	26.07	28.18
	Nuclear	73.65	80.74	81.74
State	Coal / Lignite	55.41	59.83	59.06
	Gas / Liq Fuel	24.19	25.88	27.83
Pvt	Coal / Lignite	58.99	60.2	61.42
	Gas/ Liq Fuel	18.55	11.06	18.05
All India	Coal / Lignite	62.28	64.46	65.55
	Gas / Liq Fuel	22.51	20.79	24.85
	Nuclear	73.65	80.74	81.74

** Provisional figure*

Generation from stations up to 25 MW are not being monitored in CEA.

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 724 ANSWERED IN THE LOK SABHA ON 28.04.2016.

Sector	Capacity as on 31.03.16 (MW)	2015-16			2014-15			2013-14		
		Target (MU)	Generation * (MU)	% Achievement	Target (MU)	Generation (MU)	% Achievement	Target (MU)	Generation (MU)	% Achievement
Central	14455.72	48925	56695.85	115.88	47828	50959.81	106.55	47331	51395.73	108.59
State	25191.70	66505	53123.60	79.88	65142	67544.68	103.69	63259	73456.40	116.12
Private	3154.00	12570	11521.71	91.66	11327	10739.16	94.81	11673	9995.41	85.63
Import from Bhutan		4800	5244.74	109.27	4800	5007.74	104.33	4800	5597.90	116.62

*** PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT**

Generation from stations up to 25 MW are not being monitored in CEA.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.726
ANSWERED ON 28.04.2016**

SHORTAGE OF POWER IN KARNATAKA

726. SHRI PRALHAD JOSHI:

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

- (a) whether the State of Karnataka is facing shortage of power, if so, the details thereof along with the power required by that State;**
- (b) whether the Union Government is taking or has taken any steps to meet the power requirements of the State; and**
- (c) if so, the details thereof?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : As reported by the state, the power deficit in Karnataka in terms of Energy and Peak was 5.2% and 6.7% respectively during the year 2015-16. The details are given at Annex.

(b) & (c) : In response to the request of Karnataka and keeping in view the power shortage faced by the Southern States, Central Government allocated 200 MW of Unallocated power from Southern Region unallocated power Pool on 4th November, 2015 to Karnataka to tide over the crisis. On the request of State of Karnataka CTU, PGCIL had granted LTA for 281 MW of transmission capacity enabling transfer of this power to Karnataka from Eastern Region.

ANNEX

**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO.726
ANSWERED IN THE LOK SABHA ON 28.04.2016.**

Power Supply position of Karnataka during 2015-16							
Energy				Peak			
Requirement	Availability	Deficit		Peak Demand	Peak Met	Deficit	
MU	MU	MU	%	MW	MW	MW	%
64,491	61,160	3,331	5.2	10,196	9,508	688	6.7

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.739
ANSWERED ON 28.04.2016**

POWER SUPPLY TO TAMIL NADU

739. SHRI P.R. SUNDARAM:

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

- (a) whether the Government is providing requested quantity of electricity to Tamil Nadu from Central pool;
- (b) if so, the details thereof and the power provided from the central pool and from the power returned by certain States during the last 4 years;
- (c) whether the power transmission and supply from the various power stations situated outside Tamil Nadu are hampered due to insufficient grid connectivity between the power grid of other regions;
- (d) if so, the steps taken by the Government to enhance the power grid connectivity between Tamil Nadu and other States; and
- (e) the various steps taken by the Government to reduce the transmission loss of power and also to facilitate effective power transmission between various grids?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : Yes, Madam.

(b) : The details of the Energy Scheduled (supplied) to Tamil Nadu from the Central Generating Stations including un-requisitioned surplus power (i.e. power not availed by certain States) during last 4 Years are given below:

Year	Energy Supplied (MU)
2012-13	21,397
2013-14	24,142
2014-15	26,960
2015-16	29,717

(c) : The Available Transfer Capacity (ATC) to Southern Region has increased from 3,450 MW to 5,900 MW i.e. by 71% in last two years. The entire capacity of 5,900 MW has been allocated under LTA / MTOA for constituents states of Southern Region including Tamil Nadu. Out of the 5,900 MW ATC, the total LTA/MTOA allocation to Tamil Nadu is about 2,900 – 3,000 MW. All LTA applications of Tamil Nadu has been granted and operationalized. There is no further request of Tamil Nadu with the Government of India.

(d) & (e) : Presently, Tamil Nadu is strongly connected to the neighbouring States through 2 nos. of 765 kV transmission lines circuits and 17 nos. of 400 kV transmission lines.

In addition to the above, Tamil Nadu would be connected to Southern Region through the following transmission lines which are under construction/approved and enable the states to draw additional power.

- (i) Salem New-Madhugiri 765 kV 2xS/c lines.**
- (ii) Salem New-Somanhalli 400 kV Quad D/c line.**
- (iii) Tirunelveli-Cochin 400 kV Quad D/c line.**

Further, the steps have been taken to enhance the power transfer capacity to Southern Regional grid from National Electricity grid to about 17,000 MW with the commissioning of following inter-regional links:-

- (i) Angul – Srikakulam – Vemagiri 765 kV D/c line and associated system at 400 kv Vemagiri sub-station.**
- (ii) Wardha – Nizamabad – Hyderabad 765 kV D/c link.**
- (iii) Warora Pool – Warangal (New) 765 kV D/c link.**
- (iv) +800 kV 6,000 MW HVDC Bipole link between Raigarh-Pugalur-North Trichur.**

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.747
ANSWERED ON 28.04.2016**

ELECTRICITY FROM SOLID WASTE

747. SHRI HUKUM SINGH:

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

- (a) whether the Government has issued a circular to all power distribution companies making it mandatory for them to buy electricity from power plants fuelled by solid waste, if so, the details thereof;
- (b) whether the Government would impose severe penalties on them, an entitlement that comes from the recent amendment of the Electricity Regulatory Act, 2013 in case the companies brush aside the instructions, if so, the details thereof;
- (c) the quantum of electricity expected to be generated during the current year and the next five years from solid waste run plants; and
- (d) whether the Union Government has offered any financial assistance to the States for setting up of those plants and if so, the details thereof; and
- (e) whether the Government would spend Rs. 38,000 crore on building solid waste management infrastructure across the country and the road to arriving at energy generation is still long but the Ministry has made a significant progress in setting up an effective door-to-door collection and transportation of solid waste, if so, the details thereof and present status thereof ?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : Yes, Madam. Ministry of Power vide notification dated 28.01.2016 has notified the revised Tariff Policy which mandates the distribution licensee to procure 100% of power produced from waste to energy plant. The provision of the policy is reproduced below:

6.4(1) (ii): Distribution Licensee (s) shall compulsorily procure 100% power produced from all the Waste-to-energy plants in the State, in the ratio of their procurement of power from all sources including their own, at the tariff determined by the Appropriate Commission under section 62 of the Act.

Further, in the Electricity (Amendment) Bill, 2014 introduced in Parliament on 19.12.2014, the Waste, including municipal and solid waste, has been proposed to be included in the definition of "Renewable Energy Sources". In addition, section 142 of the said Bill provides for penalty provisions on the generating company and licensees not complying with the Renewable Purchase Obligation and Renewable Generation Obligation.

(c) : At present, there are five waste to energy plant in operation in the country with a total power generation capacity of 53 MW. In addition, six waste to energy plants with a total power generation capacity of 68.7 MW are expected to be commissioned by this year. Therefore, a total of 121.7 MW of power generation capacity is expected from waste to energy plants in the current year.

Further, another 23 waste to energy plants are under various stages of construction and tendering phase and are expected to be commissioned by 2021. The total power generation capacity of these plants after commissioning will be 243.7 MW. Therefore, a total of 365.4 MW of power generation capacity is expected from the waste to energy plants in the next five years in the Country.

(d) & (e) : Government of India is implementing "Swachh Bharat Mission (SBM) since 2nd October, 2014 with the target to make the country clean by 2nd October 2019. One of the admissible components under SBM is solid waste management including collection, transportation, processing treatment and disposal of solid waste with Central Support up to 20% of the project cost in the form of Viability Gap Funding (VGF)/Grant. The remaining funds have to be generated by State Government/Urban Local Bodies (ULBs) contribution/through private sector participation. During mission period, total cost for Solid Waste Management under Swachh Bharat Mission (Urban) is ` 36,828/- Crore of which Government of India share is ` 7366/- Crore.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.757
ANSWERED ON 28.04.2016**

POWER GENERATION IN DROUGHT SITUATION

757. SHRI ANTO ANTONY:

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

- (a) whether the drought situation in various States has any impact on production of Hydro Electric Power Generation in the country; and**
- (b) if so, the details thereof and the steps being taken by the Government in this regard?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : Production of Hydro Electric Power Generation in the country for the year 2015-16 was lower at 121.34 BU against the target of 128 BU mainly due to lesser rainfall experienced in some regions of the country. State-wise generation for the year 2015-16 is given in Annex.

The generation from hydro power station depends on the inflow due to rainfall in the catchment area, snowmelt (Himalayan Rivers) and the available storages. The generation will be generally less if there is shortfall in rainfall in catchment area. Any shortage in hydro power generation is tackled on the basis of increased generation from other sources, depending on transmission availability.

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 757 ANSWERED IN THE LOK SABHA ON 28.04.2016.

STATE WISE HYDRO GENERATION (ABOVE 25 MW) FOR THE YEAR 2015-16

NAME OF THE STATE	INSTALLED CAPACITY AS ON 31.03.2016	2015-16 (estimated)		
		TARGET	ACHIEV.	% of Achiev. Over TAR.
		(MW)	(MU)	(MU)
HIMACHAL PRADESH	9308.02	31926.00	38057.53	119.21
JAMMU & KASHMIR	3119.00	13324.00	15132.44	113.57
PUNJAB	1206.30	4545.00	5181.11	114.00
RAJASTHAN	411.00	700.00	1033.80	147.69
UTTAR PRADESH	501.60	1115.00	936.94	84.03
UTTARAKHAND	3756.35	12890.00	12768.63	99.06
CHHATISGARH	120.00	250.00	323.28	129.31
GUJARAT	1990.00	4384.00	2951.44	67.32
MADHYA PRADESH	2235.00	5536.00	4491.21	81.13
MAHARASTRA	3047.00	5842.00	5072.52	86.83
ANDHRA PRADESH	1560.00	3110.00	1908.07	61.35
TELANGANA	2196.60	3606.00	280.39	7.78
KARNATKA	3657.40	12905.00	7472.96	57.91
KERALA	1881.50	6751.00	6364.60	94.28
TAMIL NADU	2182.20	4962.00	4467.55	90.04
JHARKHAND	210.00	271.00	120.12	44.32
ODISHA	2142.25	6233.00	4890.94	78.47
WEST BENGAL	1252.20	2198.00	2131.24	96.96
SIKKIM	765.00	3420.00	3548.69	103.76
ARUNACHAL PRADESH	405.00	1125.00	1280.24	113.80
ASSAM	375.00	1321.00	1365.72	103.39
MEGHALAYA	282.00	859.00	860.88	100.22
NAGALAND	75.00	227.00	164.21	72.34
MANIPUR	105.00	500.00	536.68	107.34
TOTAL ALL INDIA	42783.42	128000.00	121341.19	94.80

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.758
ANSWERED ON 28.04.2016**

NEGATIVE ENERGY BALANCE

758. SHRI J.J.T. NATTERJEE:

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

- (a) whether the country has negative Energy Balance for decades and if so, the details thereof; and
- (b) whether this shortage has forced the Country to purchase energy from outside the country and if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : As reported by the States / UTs, the details of energy shortage in terms of electricity in the country during the last two decades are given at Annex. During 2015-16, the energy shortage was 2.1% which is the lowest ever in a single year.

(b) : At present, India is importing power only from Bhutan. The imported power is mainly Bhutan's surplus power from hydro stations commissioned in Bhutan with the assistance from the Government of India. During 2015-16, energy imported from Bhutan was about 5 Billion units (BU).

**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 758
ANSWERED IN THE LOK SABHA ON 28.04.2016.**

Details of energy shortage in the country during last two decades

Year	Requirement	Availability	Shortage	
	(MU)	(MU)	(MU)	(%)
1991-92	2,88,974	2,66,432	22,542	7.8
1992-93	3,05,266	2,79,824	25,442	8.3
1993-94	3,23,252	2,99,494	23,758	7.3
1994-95	3,52,260	3,27,281	24,979	7.1
1995-96	3,89,721	3,54,045	35,676	9.2
1996-97	4,13,490	3,65,900	47,590	11.5
1997-98	4,24,505	3,90,330	34,175	8.1
1998-99	4,46,584	4,20,235	26,349	5.9
1999-00	4,80,430	4,50,594	29,836	6.2
2000-01	5,07,216	4,67,400	39,816	7.8
2001-02	5,22,537	4,83,350	39,187	7.5
2002-03	5,45,983	4,97,890	48,093	8.8
2003-04	5,59,264	5,19,398	39,866	7.1
2004-05	5,91,373	5,48,115	43,258	7.3
2005-06	6,31,554	5,78,819	52,735	8.4
2006-07	6,90,587	6,24,495	66,092	9.6
2007-08	7,39,343	6,66,007	73,336	9.9
2008-09	777,039	691,038	86,001	11.1
2009-10	830,594	746,644	83,950	10.1
2010-11	861,591	788,355	73,236	8.5
2011-12	937,199	857,886	79,313	8.5
2012-13	995,557	908,652	86,905	8.7
2013-14	10,02,045	9,59,614	42,431	4.2
2014-15	10,68,923	1,030,785	38,138	3.6
2015-16	11,14,235	10,90,713	23,522	2.1

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.764
ANSWERED ON 28.04.2016**

AIMS OF DVC

†764. SHRI SUNIL KUMAR SINGH:

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

- (a) whether the Damodar Valley Corporation Limited was set up as a multipurpose project, if so, the details thereof along with the aims of DVC;
- (b) the names of places where soil conservation, irrigation, agriculture and animal husbandry schemes of the DVC were started in addition to power generation, the names of the places where these schemes have been closed at present and the amount spent on these schemes so far; and
- (c) the places where the CSR activities of DVC have been carried out and the total amount spent thereon, State-wise?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a): Damodar Valley Corporation, was set up as the first major Multipurpose Integrated River Valley Project of the country, conceived in line with Tennessee Valley Authority (TVA), came into existence on 7th July, 1948 by an Act of Central Legislature keeping in view the integrated development of Damodar Valley in the States of Bihar (presently Jharkhand) and West Bengal.

As per the DVC Act' 1948, the functions of the Corporation are:

- i. Promotion and operation of schemes for irrigation, water-supply and drainage,**
- ii. Promotion and operation of schemes for the generation, transmission and distribution of electrical energy, both hydro-electric and thermal,**
- iii. Promotion and operation of schemes for flood control in the Damodar river and its tributaries and the channel, if any, excavated by the Corporation in connection with the scheme and for the improvement of flow condition in the Hooghly river,**
- iv. Promotion and control of navigation in the Damodar river and its tributaries and channels, if any,**

- v. **Promotion of afforestation and control of soil erosion in the Damodar Valley, and**
- vi. **Promotion of public health and the agricultural, industrial, economic and general well-being in the Damodar Valley and its area of operation.**

(b) : (1) **Soil Conservation: Soil Conservation works in DVC started in the year 1992-93 in Damodar Barakar catchment area spread over the district of Palamu, Hazaribagh, Dhanbad, Bokaro, Giridih in Jharkhand and Purulia in West Bengal on micro water shed basis and were stopped in the year 2006-07 due to stoppage of contribution of fund from Ministry of Agriculture, Govt. of India. The incomplete works in micro water shed were completed by DVC during 2008-09. The total expenditure on various schemes under Soil and Water Conservation from 1992 to 2008-09 is Rs. 93.17 crores.**

(2) **Irrigation: Irrigation schemes of DVC started with a canal network of 2509 KM length to provide irrigation water to the district of Burdwan, Hooghly and Bankura in West Bengal. The total expenditure on the above irrigation system incurred up to 1963 was Rs. 45.35 crores. In the year 1964 the barrage and irrigation system was handed over to Govt. of West Bengal on re-imburement basis. However, DVC is still supplying irrigation water to the above 03 districts in West Bengal.**

(3) **Agriculture: Foreshore farm: Few foreshore farms were established in the year 1954-55 by DVC in the district of Koderma, Hazaribagh, Dhanbad in Jharkhand and Burdwan in West Bengal for the purpose of development of scientific agriculture in valley area. The above farms were closed down during 1994-95.**

Soil Testing Lab: A soil testing laboratory was established by DVC in the year 1950 at Hazaribagh to provide advisory services to the farmers of Hazaribagh, Giridih, Jamtara, Bokaro in Jharkhand and Purulia in West Bengal. The annual average expenditure including establishment charge stands at Rs. 54 lakh over last 03 years.

(4) **Animal Husbandry: No scheme on animal husbandry has been taken by DVC.**

(c) : **Details of CSR activity are as below:**

CSR activities(since 1981-82)			
Jharkhand		West Bengal	
Name of Districts	Amount spent (Rs. in crore)	Name of Districts	Amount spent (Rs. in crore)
Dhanbad	118.69	Barddhaman	52.69
Bokaro		Bankura	
Koderma		Purulia	
Hazaribag			
Education (since 2007-08)			
State	Amount spent (Rs. in crore)	State	Amount spent (Rs. in crore)
Jharkhand	117.40	West Bengal	59.73
TOTAL	236.09		112.42

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.786
ANSWERED ON 28.04.2016**

POWER GENERATION FROM DIESEL IN A&N ISLANDS

786. SHRI PREM DAS RAI:

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

- (a) whether electricity generation in Andaman and Nicobar Islands is wholly dependent on diesel generators;**
- (b) if so, the details thereof and the quantum of diesel consumed for providing power to the islands;**
- (c) the total cost of providing power to the Islands and the total units of power consumed during each of the last three years; and**
- (d) whether there are any plans to introduce renewable energy projects on the islands, if so, details thereof?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : As reported by Andaman and Nicobar Islands, at present, 90% of the installed capacity & 94% of the total generation is from Diesel Generation and balance 10% of installed capacity & 6% generation is from Renewable Sources.

The total installed capacity includes 98.52 MW DG power plants comprising of 178 DG sets and 10.35 MW Renewable Energy power plants comprising of 5.25 MW Small Hydro & 5.1 MWp Solar PV.

The annual consumption of Diesel for providing power to the Andaman & Nicobar Islands is 73,500 KL during financial year 2014-15.

(c) : The details of the total cost of providing power to the Andaman & Nicobar Islands and the total units of power consumed during the last three years is given at Annex.

(d) : Ministry of New & Renewable Energy (MNRE) has sanctioned a Solar Park of 100 MWp capacity for A&N Islands on 15.05.2015. The work for establishment of Solar PV plants have been entrusted to NTPC at South Andaman Island, NLC (Neyveli Lignite Corporation) at North & Middle Andaman and REIL (Rajasthan Electronics & Instruments Limited) at Havelock and Neil Islands.

ANNEX

**ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 786
ANSWERED IN THE LOK SABHA ON 28.04.2016.**

**Details of the total cost of providing power to the Andaman & Nicobar Islands and
the total units of power consumed during the last three years**

Year	Cost of providing power (Rs. In Crore)	Power Consumption (MU)
2013-14	538.75	216.00
2014-15	522.81	229.46
2015-16	564.20	252.00 (Provisional)

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.799
ANSWERED ON 28.04.2016**

ENHANCEMENT OF TRANSMISSION CAPACITY

**799. SHRI SANJAY DHOTRE:
SHRI BHARTRUHARI MAHTAB:
SHRI C.R. PATIL:**

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

- (a) whether the Government has enhanced the capacity of power transmission lines in the country during each of the last three years and the current year, if so, the details thereof, Region/ Project-wise;
- (b) whether any deviation from the regulations and standards set by the Central Electricity Authority/Central Electricity Regulatory Commission/State Electricity Regulatory Commissions in operation of transmission lines have come to the notice of the Government during the said period, if so, the details thereof, Region-wise;
- (c) whether it is a fact that the power surplus States are unable to supply/divert their surplus power to power deficit States on account of constraints in inter-regional transmission;
- (d) if so, the details thereof along with the remedial measures taken by the Government in this regard including steps taken/proposed to be taken to strengthen corridors/links and to lay express direct corridors; and
- (e) whether the Government proposed to utilize the funds lying in PSDF for immediate creation/strengthening of interregional transmission links, so as to avoid the situation of generation capacity getting strangled or demand getting curtailed, if so, the details thereof?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : Yes, Madam. The project-wise details of the power transmission lines added during 2012-13 to 2015-16 are given at Annex- I(a), I(b), I(c) & I(d).

(b) : The transmission lines are operated to loading levels as permissible in accordance with standards framed by Central Electricity Authority (CEA) and regulations of Central Electricity Regulatory Commission (CERC) based on which, the power transfer capability is determined. On this, one of the issues of violation of protection standards, especially during the occurrence of faults, has come to the notice of the Government in the operation of transmission lines. Ministry of Power had directed Central Transmission Utility (CTU) to appoint Consultant to undertake Protection Audit. Accordingly, a consultant has been appointed to audit protection systems at Substations across India to ensure that protections systems operate as per the standards and regulations set by the CEA/CERC.

(c) & (d) : Presently, there is no constraint in the inter-State transmission system for transfer of long term allocated power from various generating stations to different beneficiary States in the country.

However, few instances of congestion are reported in power transfer from NEW (North-East-West) Grid to Southern Region and from Western Region to Northern Region for short term power transaction. The congestion was experienced mainly due to non-availability of sufficient margins in the inter-regional transfer capability between Western to Northern Region and Western to Southern Region grid.

The inter-regional transmission capacity has been increased from 27750 MW to 57450 MW during last four years i.e. 2012-16. This increase facilitates transmission of power from surplus areas to deficit areas. This capacity is further likely to be increased to 68050 MW by the end of 12th Plan i.e. by March 2017.

(e) : On 10th January 2014, Ministry of Power has notified the Scheme for Operationalization of Power System Development Fund (PSDF). Presently, there is no proposal for creation of Inter-regional transmission link from PSDF.

**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 799
ANSWERED IN THE LOK SABHA ON 28.04.2016.**

Transmission Lines Completed During 2012-2013

As on 31-MAR-2013

Sl. No.	Name of Transmission Lines	Circuit Type	Executing Agency	Line Length (cKM)	Month of Completion
1	2	3	4	5	6
CENTRAL SECTOR					
765 kV					
1	Bhiwani - Moga	S/C	PGCIL	273	MAY-12
2	Fatehpur- Agra Line I	S/C	PGCIL	334	MAY-12
3	Satna - Bina line -II	S/C	PGCIL	276	JUN-12
4	Jhatikara - Bhiwani	S/C	PGCIL	85	SEP-12
5	Sasan - Satna line -I	S/C	PGCIL	241	DEC-12
6	Sasan - Vindhyachal Pooling Station line	S/C	PGCIL	12	DEC-12
Total of 765 kV Central Sector				1221	
400 kV					
1	Durgapur-Jamshedpur (Part Line)	D/C	PGCIL	276	APR-12
2	Jamshedpur - Baripada (Part Line)	D/C	PGCIL	220	APR-12
3	Manesar - Neemrana	D/C	PGCIL	134	MAY-12
4	Mauda - Wardha (2nd Ckt)	S/C	PGCIL	124	MAY-12
5	Nabinagar - Sasaram line (Twin lapwing)	D/C	PGCIL	164	MAY-12
6	LILO of Agra - Jaipur line at Jaipur (Part Line)	D/C	PGCIL	75	JUN-12
7	LILO of one ckt Balia - Lucknow at Sohawal	D/C	PGCIL	12	JUN-12
8	Palatana - Surajmaninagar line (Charged at 132 KV)	D/C	PGCIL	74	JUN-12
9	Gandhar - Navsari	D/C	PGCIL	204	JUL-12
10	LILO of both Ckt of Allahabad - Mainpuri at Fatehpur	2xD/C	PGCIL	73	JUL-12
11	LILO of both ckt of Bawana /Bahadurgarh -Hissar at Bhiwani	D/C	PGCIL	60	JUL-12
12	Gurgaon -Manesar(Q)	D/C	PGCIL	34	AUG-12
13	LILO of Both Ckt of Agra - Jaipur line at Jaipur (Ckt-II)	D/C	PGCIL	75	AUG-12
14	LILO of Both ckt Bahadurgarh - Hissar at Bhiwani	D/C	PGCIL	33	AUG-12
15	LILO of Meramundli - Jeypore line at Bolangir	S/C	PGCIL	42	AUG-12
16	LILO of both ckt of Udumalpet - Madakathara at Chulliar (Ckt-II)	D/C	PGCIL	49	AUG-12
17	Mundra - Jetpur (Part line)	S/C	PGCIL	314	AUG-12
18	LILO of both ckt of Mundka/Bawana - Bamnoui at Jhatikara (Q)	D/C	PGCIL	26	SEP-12
19	LILO of One Ckt of Bareilly - Mandola line at Meerut	D/C	PGCIL	110	SEP-12
20	LILO of Barh - Balia at Patna	D/C	PGCIL	16	NOV-12
21	LILO of Kahalgaon - Biharshariff line (2nd line) at Banka	D/C	PGCIL	56	NOV-12
22	Bongaigaon TPS - Bongaigaon	D/C	PGCIL	6	DEC-12
23	Mundra - Jetpur (Balance portion)	S/C	PGCIL	358	DEC-12
24	Raipur(PG) - Wardha(PG)	D/C	PGCIL	741	DEC-12
25	Sasan - Vindhyachal Pooling station	D/C	PGCIL	12	DEC-12
26	Vindhyachal-IV - Vindhyachal Pooling Station line (Q)	D/C	PGCIL	58	DEC-12
27	Bina - Bina (MPPTCL)	D/C	PGCIL	1	JAN-13
28	LILO of Both Ckt-II Balia - Lucknow line at Sohawal	D/C	PGCIL	12	JAN-13
29	LILO of Rengali - Baripada line at Keonihar	S/C	PGCIL	18	JAN-13

30	Maithon - Koderma line (Contingency combining M-G and K-G and by passing common MC portion & Gaya S/S)	D/C	PGCIL	526	JAN-13
31	Bhiwani - Jind line	D/C	PGCIL	165	MAR-13
32	Chamera-II HEP - Jullundur line	D/C	PGCIL	324	MAR-13
33	Kishanpur - Samba line	D/C	PGCIL	70	MAR-13
34	LILO of 2nd Ckt Bareilly - Mandola line at Meerut	S/C	PGCIL	112	MAR-13
35	LILO of Kaithalguri - Misa line at Mariani (New) (Charged at 220KV)	D/C	PGCIL	1	MAR-13
36	LILO of Both Ckt SEPL/MEPL - Nellore at Nellor Pooling Station	D/C	PGCIL	15	MAR-13
37	LILO of Meramundli -Jeypore at Angul Pooling Station	D/C	PGCIL	9	MAR-13
38	LILO of Rourkela - Raigarh at Jharsuguda Pooling Stn.	D/C	PGCIL	44	MAR-13
39	Nellore - Gooty line	D/C	PGCIL	578	MAR-13
40	Raipur Pooling Station - Raipur line	D/C	PGCIL	43	MAR-13
41	Vallure TPS - Melakottaiyur line	D/C	PGCIL	71	MAR-13
42	Vapi - Navsari line	D/C	PGCIL	236	MAR-13
Total of 400 kV Central Sector				5571	
220 kV					
1	LILO of Sikar (RVPN)-RAtnagarh at Sikar (2nd LILO)	D/C	PGCIL	6	APR-12
2	LILO of both ckts of Kawas-Navsari at Navsari.	D/C	PGCIL	82	JUL-12
3	Kalpakkam PFBR-Kancheppurram	D/C	PGCIL	160	AUG-12
4	Dhanbad-Giridih	D/C	DVC	86	MAR-13
Total of 220 kV Central Sector				334	
Total CS				7126	
STATE SECTOR					
Northern Region					
400 kV					
1	LILO of samayapur-Greata Noida at Nawada	D/C	HVPNL	1	NOV-12
2	Chhabra TPS-Kawai SCTPS	S/C	RVPNL	16	DEC-12
3	Daultabad -Dhanonda	D/C	HVPNL	146	JAN-13
4	Talwandi Sabo - Dhuri	D/C	PSTCL	175	JAN-13
5	Jodhpur - Merta (2nd Ckt) line	D/C	RVPNL	98	JAN-13
6	Talwandi Sabo - Moga	D/C	PSTCL	204	MAR-13
Total of 400 kV State Sector				640	
220 kV					
1	LILO one ckt of Lalton Kalan-Sahnewal at Ludhiana (PG)	D/C	PSTCL	7	APR-12
2	Kalisindh-Jhalawar line	D/C	RVPNL	19	APR-12
3	Pakhowal - Mehal Kalan	S/C	PSTCL	58	MAY-12
4	Sarnath-Gajokhar	S/C on D/C	UPPTCL	30	MAY-12
5	Gurgaon Sector - 72 - Gurgaon Sector - 56	D/C	HVPNL	21	JUN-12
6	Gurgaon Sector-72- Gurgaon Sector-52 A	D/C	HVPNL	23	JUN-12
7	Kapurthala - 400 kV Jalandhar line	S/C on D/C	PSTCL	24	JUN-12
8	Khushkhhera-Neemrana line	S/C	RVPNL	53	JUN-12
9	LILO of Sultanpur - Patti at Chola Sahib.	D/C	PSTCL	10	JUL-12
10	Bhilwara - M/s. Jindal Saw	S/C	RVPNL	2	JUL-12
11	LILO of Sanganer -Heerapura line at Mansarovar	D/C	RVPNL	5	JUL-12
12	LILO of one ckt Khushkhhera -Neemrana line at Neemrana (Pg)	D/C	RVPNL	5	JUL-12
13	LILO of one ckt of KTPS - Gulabpura at Bundi	D/C	RVPNL	8	JUL-12
14	LILO of Allahabad (Ald)(PG) - Phoolpur at Jhusi	D/C	UPPTCL	13	JUL-12
15	LILO of both ckt Mayyar (PGCIL) - Isherwal at Sagwan	D/C	HVPNL	68	AUG-12
16	Bottianwala-Masterwala line	S/C on D/C	PSTCL	24	AUG-12
17	Dhuri - Nabha	S/C	PSTCL	20	AUG-12

18	Goindwal Sahib - Sultanpur Lodhi	D/C	PSTCL	38	AUG-12
19	Suratgarh - Padampur	S/C	RVPNL	57	AUG-12
20	Charla - Section of (Muzaffarnagar - Modipuram II)	S/C	UPPTCL	12	AUG-12
21	LILO of DCRTTP - Abdullapur at Rampur Kamboan	D/C	HVPNL	38	SEP-12
22	LILO of Tepla - Madanpur at Raiwali	D/C	HVPNL	8	SEP-12
23	Dechu - Phalodi	D/C	RVPNL	71	SEP-12
24	LILO of Hindaun - Dausa at Sikrai (GSS)	S/C	RVPNL	19	SEP-12
25	Udyogvihar - Hanumangarh	S/C	RVPNL	48	SEP-12
26	LILO of Wadala Granthian - Verpal at Udhoke	D/C	PSTCL	6	OCT-12
27	Sahnewal - Doraha	D/C	PSTCL	16	OCT-12
28	Nawada - A5	S/C	HVPNL	6	NOV-12
29	Rangala Raipur-Palwal line	D/C	HVPNL	102	NOV-12
30	LILO of Mandawar - Bharatpur at Nadbai (GSS)	D/C	RVPNL	11	NOV-12
31	Muzaffarnagar - Modipuram (II Ckt)	S/C	UPPTCL	36	NOV-12
32	Jodhpur - Karwad / Bhawad	D/C	RVPNL	78	DEC-12
33	Naggal (PGCIL) - Raiwali	D/C	HVPNL	25	JAN-13
34	LILO of Gobingarh -Malerkotla line at Ikolaha	D/C	PSTCL	13	JAN-13
35	LILO of both ckts Sunam - Dhuri at Dhuri	D/C	PSTCL	52	JAN-13
36	Bikaner - Gajner	D/C	RVPNL	117	JAN-13
37	Mandawar -Alwar MIA line	S/C	RVPNL	57	FEB-13
38	LILO Kishenpur-Pampore at Ramban	D/C	JKPDD	4	MAR-13
39	Miran Sahib - Bishnah	D/C	JKPDD	19	MAR-13
40	LILO of GGSSTP - Kohara at Gaunsgarh.	D/C	PSTCL	33	MAR-13
41	LILO of Khassa - Civil lines ASR at Chogawan	D/C	PSTCL	20	MAR-13
42	Barheni-Patnagar (2nd Ckt)	S/C	PTCUL	35	MAR-13
43	LILO of Bhilwara - Chittorgarh at Hamirgarh	D/C	RVPNL	15	MAR-13
Total of 220 kV State Sector				1326	
Total NR				1966	
Western Region					
400 kV					
1	Lonikand -I -Lonikand II	S/C	MSETCL	1	MAY-12
2	Warora - Wardha (1st Ckt)	S/C	MSETCL	78	MAY-12
3	Koradi (Old)- New Khaperkheda	S/C on D/C	MSETCL	4	AUG-12
4	LILO Korba (West)-Bhilai at Raipur (CSPTCL)	D/C	CSPTCL	47	SEP-12
5	Korba (W)-Bhilai (khedamara)	D/C	CSPTCL	447	DEC-12
6	Warora-Wardha(2nd Ckt)	S/C	MSETCL	76	JAN-13
7	Malwa TPP - Chhegaon	D/C	MPPTCL	105	FEB-13
8	UKai-Kosamba	D/C	GETCO	145	MAR-13
Total of 400 kV State Sector				903	
220 kV					
1	LILO of Padghe-Boisar (PG) at Vasai S/S	D/C	MSETCL	5	APR-12
2	LILO of Halvad-Morbi I at Bhachau	D/C	GETCO	217	MAY-12
3	LILO of Halvad-Morbi II at Bhachau	D/C	GETCO	216	MAY-12
4	Tharad-Thavar line	D/C	GETCO	98	JUN-12
5	Khaperkheda (New) - Khaperkheda	M/C	MSETCL	12	JUN-12
6	LILO of Kalwa - Ghatghar at Bappaon	D/C	MSETCL	4	JUN-12
7	LILO of Osmanabad - Barshi at Paranda	D/C	MSETCL	74	JUN-12
8	Loc 13 of Butibori I -Butibori II - Butibori TPS	S/C	MSETCL	1	JUN-12
9	Old Butibori I-Buttibori -III	D/C on M/C	MSETCL	2	JUN-12
10	LILO of Savarkundla - Mahva (otha) at Pipavav (GPPC) (line-2)	D/C	GETCO	81	AUG-12
11	Beed-Patoda	D/C	MSETCL	86	AUG-12
12	LILO of Vita -Pandhrapur line at Hiwarwadi S/S	D/C	MSETCL	12	AUG-12
13	Kanhan - Umred (2nd Ckt)	S/C	MSETCL	50	SEP-12
14	LILO of Pithampur-Indore & Pithampur-Badnagar line at Pithampur 400 KV S/S	D/C	MPPTCL	65	OCT-12
15	Jalna-Chikhali (2nd Ckt)	S/C	MSETCL	75	OCT-12
16	Parli TPS-Nanded (waghala)	M/C	MSETCL	181	OCT-12
17	Hadala - Halvad line	D/C	GETCO	170	NOV-12
18	Tharad-Deodar line	D/C	GETCO	77	NOV-12

19	LILO of Amarkantak - Korba at Anoopur	D/C	MPPTCL	16	NOV-12
20	LILO of Karad Pedambe at Dasgaon	D/C	MSETCL	8	NOV-12
21	LILO of Satara MIDC - Vankuswade at Ajinkyatara SSk Ltd.	D/C	MSETCL	8	NOV-12
22	Mhindra - Brldestone	D/C	MSETCL	12	NOV-12
23	Marwa - Banari (Start up power)	D/C	CSPTCL	28	JAN-13
24	Satpura - Pandhurma line (2 Ckt)	S/C	MPPTCL	83	JAN-13
25	Sidhi - Mahan (M/s. Hindalco.) line	S/C	MPPTCL	79	JAN-13
26	New Bhusaval S/S - existing 400 kV Khadka	D/C on M/C	MSETCL	18	JAN-13
27	South Solarpur (PG) - South Solarpur (2nd ckt)	S/C	MSETCL	5	JAN-13
28	Talegaon - M/s. General Motors line	S/C	MSETCL	1	JAN-13
29	Urse - Talegaon line	S/C	MSETCL	9	JAN-13
30	LILO of Khaperkheda - Kanhan II at M/s Suryalaxmi cotton Mills	D/C	MSETCL	6	FEB-13
31	Kosamba-Mobha line	D/C	GETCO	178	MAR-13
32	Tharad-Kintech	D/C	GETCO	175	MAR-13
33	Raigarh - Common Point near Pithampur (Diversion)	D/C	MPPTCL	3	MAR-13
34	Kolhapur-Sawantwadi (2nd Ckt)	S/C	MSETCL	122	MAR-13
35	LILO of Chichwad - Theur at Khadakwasla (Nanded city)	D/C	MSETCL	5	MAR-13
36	Lonand - Bothe (Ckt-II)	S/C	MSETCL	41	MAR-13
37	Paras - Balapur	D/C on M/C	MSETCL	24	MAR-13
Total of 220 kV State Sector				2247	
Total WR				3150	
Southern Region					
400 kV					
1	Nandikur (UTPS) - Shantigrama (Hassan)	D/C	KPTCL	358	AUG-12
2	Vallur JV Project-NCTPS St.II	D/C	TANTRANSCO	7	AUG-12
3	Krishnapatnam TPS - Nellore.	D/C	APTRANSCO	72	NOV-12
4	MTPS St.III - Arasur	D/C	TANTRANSCO	220	JAN-13
5	NCTPS St.II- Alamathy 400 kV S/S	M/C	TANTRANSCO	136	JAN-13
6	Malkaram-Narsapur	D/C	APTRANSCO	147	FEB-13
7	Narsapur-Suryapet	D/C	APTRANSCO	149	FEB-13
8	Vijayawada TPS-Suryapeta	D/C	APTRANSCO	226	FEB-13
Total of 400 kV State Sector				1315	
220 kV					
1	Madhavanahally S/S - Chamarajanagar S/S	D/C	KPTCL	83	APR-12
2	Mannukkad (Chulliar) - Kanjikode (Palakkad) 2nd D/C	M/C	KSEB	12	APR-12
3	East Div Compound - Nimhans Station	UG Cable	KPTCL	5	MAY-12
4	LILO of Ramagundam - Dichpally at Medaram	D/C	APTRANSCO	10	JUN-12
5	LILO of Ramagundam - Nirmal at Vemnur	D/C	APTRANSCO	2	JUN-12
6	LILO of RTPP - ATP at Thimmapuram	D/C	APTRANSCO	5	JUL-12
7	Kochin East (Pallikara) - Marakkala line	M/C	KSEB	9	JUL-12
8	Kavanur - Karaikudi	S/C on D/C	TANTRANSCO	82	AUG-12
9	LILO of NCTPS - Mosur at Athipattu	D/C	TANTRANSCO	4	AUG-12
10	LILO of TTPS - Tuticorin at Tuticorin JV	D/C	TANTRANSCO	1	AUG-12
11	Kondapuram- Thimmapuram	D/C	APTRANSCO	19	SEP-12
12	LILO of Renigunta - Chittoor at Nagari	D/C	APTRANSCO	75	OCT-12
13	LILO of 2nd ckt of Mechal - Minpur at Gajwel	D/C	APTRANSCO	81	NOV-12
14	LILO of Hoody - Somanahalli at HSR layout	D/C	KPTCL	4	NOV-12
15	LILO of Gachibowli - Yeddumialaram at Yeddumialaram	D/C	APTRANSCO	12	FEB-13
16	Jurala Hydel Plant - Raichur	D/C	KPTCL	98	FEB-13
17	LILO of Guttur - Ittagi at Neelagunda S/s.	D/C	KPTCL	7	MAR-13
18	Marakkala - Brahmapuram line	M/C	KSEB	17	MAR-13
Total of 220 kV State Sector				526	
Total SR				1841	

Eastern Region					
400 kV					
1	LILO of Kolaghat TPS - Baripada at Kharagpur	D/C	WBSETCL	8	JUN-12
Total of 400 kV State Sector				8	
220 kV					
STATE SECTOR					
1	LILO of Fatwa- Khagaul at Sipara (2nd Ckt)	D/C	BSEB	19	SEP-12
2	Teesta LD III-New Jalpaiguri	S/C	WBSETCL	81	JAN-13
Total of 220 kV State Sector				100	
Total ER				108	
North Eastern Region					
400 kV					
1	LILO of Palatana - Bongaigaon at Killing (Byrnihat)	D/C	MeECL	9	MAR-13
Total of 400 kV State Sector				9	
220 kV					
1	LILO of Agia - Sarusajai line at Kukurmara S/S	D/C	AEGCL	4	SEP-12
Total of 220 kV State Sector				4	
Total NER				13	
Total State Sector				7078	
PRIVATE SECTOR					
400 kV					
1	LILO of Lonikhand - Kalwa at Pune (2n Ckt)	S/C	RPTL	3	MAY-12
2	Kasaipalli TPP -Bharai (Sipat) Pooling station	D/C	ACB	112	JUL-12
3	Adhunik - Jamshedupur (PG) (Padampur)	D/C	ADHUNIK	1	JUL-12
4	Mohindergarh HVDC - Bhiwani	D/C	APL	100	JUL-12
5	Mohindergarh HVDC- Mohindergarh HVPNI (Dhanonda)	D/C	APL	10	JUL-12
6	Karcham Wangtoo-Abdullapur	D/C	JV(PG&JP)	432	JUL-12
7	Solapur (PG) - Kolhapur (MSETCL)	D/C	RPTL	440	JUL-12
8	LILO of one ckt Korba- Birsinghpur at Vandana	D/C	VVL	6	JUL-12
9	Tiroda TPP - Warora (2nd ckt)	D/C	APL	218	AUG-12
10	Palatana -Silchar	D/C	NETC	495	AUG-12
11	LILO of Koradi -Akola at Amravati	D/C	IBPL	14	OCT-12
12	EMCO - Bhadravathi (PG)	D/C	GMR ENERG	80	JAN-13
13	Silchar - Byrnihat	D/C	NETC	428	FEB-13
14	Tiroda TPP -Warora (1st ckt)	S/C	APL	218	MAR-13
15	Gandhar-Hazira	D/C	EPTCL	208	MAR-13
16	LILO of Viindhyachal -Korba line at Mahan S/S	D/C	EPTCL	44	MAR-13
Total of 400 kV Private Sector				2809	
Total Private				2809	

**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 799
TO BE ANSWERED IN THE LOK SABHA ON 28.04.2016.**

Transmission Lines Completed During 2013-2014

As on 31-MAR-2014

Sl. No.	Name of Transmission Lines	Circuit Type	Executing Agency	Line Length (cKM)	Month of Completion
1	2	3	4	5	6
CENTRAL SECTOR					
765 kV					
1	Agra - Jhatikara	S/C	PGCIL	252	APR-13
2	Sasan - Satna line -II	S/C	PGCIL	242	APR-13
3	Meerut - Agra	S/C	PGCIL	268	MAY-13
4	Sasaram - Fatehpur line-II	S/C	PGCIL	355	MAY-13
5	Fatehpur- Agra line-II	S/C	PGCIL	334	SEP-13
6	Raigarh Pooling Station (Near Kotra) - Raigarh Pooling Station (Near Tammar) line	D/C	PGCIL	98	OCT-13
7	Jabalpur Pooling Station - Bina line	D/C	PGCIL	459	DEC-13
8	Raichur - Sholapur	S/C	PGCIL	208	DEC-13
9	Meerut - Bhiwani line	S/C	PGCIL	174	JAN-14
10	Raigarh Pooling Station (Near Kotra) - Raipur Pooling Station line	D/C	PGCIL	480	JAN-14
11	Satna - Gwalior line (Ckt-I)	S/C	PGCIL	337	FEB-14
12	LILO of Ranchi - WR Pooling Station at Dharamjaygarh / near Korba.	D/C	PGCIL	10	MAR-14
13	Lucknow - Bareilly line	S/C	PGCIL	252	MAR-14
14	Ranchi - WR Pooling Station	S/C	PGCIL	381	MAR-14
Total of 765 kV Central Sector				3850	
400 kV					
1	Raigarh Pooling Station (Near Kotra) - Raigarh line	D/C	PGCIL	13	APR-13
2	Jamshedpur - Baripada (Balance Portion)	D/C	PGCIL	62	MAY-13
3	LILO of Rourkela - Raigarh at Jharsuguda Pooling Stn. Ckt-II	D/C	PGCIL	44	MAY-13
4	Indore - Indore Ckt-II	D/C	PGCIL	50	JUN-13
5	Durgapur STPS - Raghunathpur	D/C	DVC	138	JUL-13
6	LILO of Parbati -II - Koldam at Parbati Pooling Point.	D/C	PGCIL	1	JUL-13
7	LILO of Parbati -II - Parbati Pooling Point at Parbati -III	D/C	PGCIL	4	JUL-13
8	Parbati Pooling Point - Amritsar	D/C	PGCIL	501	JUL-13
9	Baharampur (India)-Bheramerar (Bangladesh) line - India Portion	D/C	PGCIL	143	AUG-13
10	LILO of Farakka - Jeerat line at Baharampur (India)	S/C	PGCIL	5	AUG-13
11	Thermal Powertech - Nellore Pooling Station	D/C	PGCIL	65	AUG-13
12	LILO of Both Ckt of Kishenpur - Wagoora line at Wanpoo	D/C	PGCIL	9	SEP-13
13	Agra - Sikar line	D/C	PGCIL	775	DEC-13
14	Bassi (PG)- Jaipur (RVPN) 765 KV line (Q)	D/C	PGCIL	97	DEC-13
15	Jabalpur Pooling Station - Jabalpur (High Capacity) line	D/C	PGCIL	31	DEC-13
16	LILO of Raichur (exisiting)- Gooty at Raichur (New)	D/C	PGCIL	21	DEC-13
17	LILO of One Ckt of Parbati Pooling Stn. - Amritsar line at Hamirpur	D/C	PGCIL	7	DEC-13
18	LILO of Bangalore - Salam at Hosur	D/C	PGCIL	25	JAN-14
19	Ranchi (New) -Ranchi line -I	D/C	PGCIL	162	JAN-14

20	Shifting of Ankola -Aurangabad (MSETCL) to Aurangabad (PG)	D/C	PGCIL	102	JAN-14
21	LILO of Nathpa Jhakri - Nalagarh at Rampur (Loop in portion)	D/C	PGCIL	5	FEB-14
22	Bareilly (New) - Bareilly (Exist) line (Quad)	D/C	PGCIL	2	MAR-14
23	Kurnool (new) - Kurnool line	D/C	PGCIL	20	MAR-14
24	LILO of Bhiwadi - Bassi at Kotputli	D/C	PGCIL	17	MAR-14
25	LILO of Kahalgaon - Biharshariff line (1st line) at Lakhisarai	D/C	PGCIL	56	MAR-14
26	LILO of Kolar - Sriperumbdure at Thiruvalem	D/C	PGCIL	42	MAR-14
27	LILO of Nagarjunsagar - Gooty at Kurnool	D/C	PGCIL	70	MAR-14
28	LILO of One Ckt of Talchar - Meramundali at Angul Pooling Station	D/C	PGCIL	34	MAR-14
29	LILO of Vapi - Navi Mumbai at Kala	D/C	PGCIL	18	MAR-14
30	Ranchi (New) -Ranchi line -II	D/C	PGCIL	158	MAR-14
31	Tiruvelam (PG) - Chitoor	D/C	PGCIL	42	MAR-14
32	Vadodara - Pirana (Quad)	D/C	PGCIL	274	MAR-14
33	Vadodra - Asoj line	D/C	PGCIL	24	MAR-14
34	Vapi - Kala (Part of Vapi-Navimumbai)	D/C	PGCIL	61	MAR-14
Total of 400 kV Central Sector				3078	
220 kV					
1	LILO of Ckt-I Jullandhur - Hamirpur at Hamirpur (PG)	D/C	PGCIL	15	DEC-13
Total of 220 kV CENTRAL Sector				15	
Total Central Sector				6943	
STATE SECTOR					
Northern Region					
765 kV					
1	Anta - Phagi (Jaipur South Ckt-2)(Charged at 400 kV)	S/C	RVPNL	214	JAN-14
2	Anta - Phagi (Jaipur South Ckt-1)	S/C	RVPNL	212	MAR-14
Total of 765 kV State Sector				426	
400 kV					
1	Rajpura - Dhuri	D/C	PSTCL	171	MAY-13
2	Rajpura Thermal - Rajpura	D/C	PSTCL	18	MAY-13
3	Daultabad - Gurgaon (PGCIL) Sector - 72	D/C	HVPNL	42	JUN-13
4	Makhu (PGCIL) - Amritsar line	D/C	PSTCL	128	AUG-13
5	Parichha - Mainpuri (1st Ckt.)	D/C	UPPTCL	259	DEC-13
6	Kawai - Anta (Baran)	D/C	RVPNL	101	JAN-14
7	Paricha - Mainpuri 2nd Ckt.)	D/C	UPPTCL	259	JAN-14
8	Kalisndh TPS - Anta (Baran) Pooling Station (Quad)	D/C	RVPNL	159	MAR-14
Total of 400 kV State Sector				1137	
220 kV					
1	Deepalpur-Barhi	D/C	HVPNL	25	MAY-13
2	Chogawan Mazra - Nabha (2nd Ckt)	S/C	PSTCL	33	MAY-13
3	LILO of Khasa - Civil line at Amritsar	D/C	PSTCL	12	MAY-13
4	LILO of Patiala - Patran at Passiana.	D/C	PSTCL	2	JUL-13
5	LILO of one ckt Patran - Sunam at Bangan	D/C	PSTCL	24	JUL-13
6	LILO of one ckt Patran - Rajla at Kakrala	D/C	PSTCL	6	AUG-13
7	LILO of one ckt Rajpura - Mohali-I line at Banur	D/C	PSTCL	29	AUG-13
8	LILO of one ckt of GHTP-Mansa line at Talwandi Sabo	D/C	PSTCL	59	AUG-13
9	LILO of Heerapura - Khetri line (Second Ckt.) to LILO of one Ckt. of Neemrana - Kotputli line	D/C	RVPNL	124	AUG-13
10	LILO of Barsinghar (LTPS) - Phalodi at Baap	D/C	RVPNL	51	AUG-13
11	LILO of Chittorgarh - Debari at Chittorgarh	D/C	RVPNL	3	AUG-13
12	Baddi - Nalagarh	D/C	HPPTCL	24	SEP-13
13	Kabalpur - Badhan	D/C	HVPNL	46	SEP-13
14	LILO of Narwana - Safidon at Mundh	D/C	HVPNL	8	SEP-13
15	Zainkote-Amargarh	D/C	JKPDD	85	SEP-13

16	LILO of one ckt of GGSSTP - Gobindgarh line at Bassi Pathana	D/C	PSTCL	12	SEP-13
17	Heerapur - Mansarovar (GIS)	S/C	RVPNL	2	SEP-13
18	LILO of Kankroli -Bali at Baman ka tukda	D/C	RVPNL	4	SEP-13
19	Sanganer-Mansarovar (Upgradation)	D/C	RVPNL	2	SEP-13
20	400 kV GSS PGCIL, Jaipur South (Chaksu) - Chaksu GSS	D/C	RVPNL	16	OCT-13
21	LILO of Khetri - Reengus at 400 kV GSS Babai	D/C	RVPNL	2	OCT-13
22	Sambhal - Gajraula	S/C	UPPTCL	43	OCT-13
23	LLIO of Bahadurgarh- Rohtak at Kabulpur	D/C	HVPNL	47	NOV-13
24	LILO of Dausa -Anta at Lalsot	D/C	RVPNL	21	NOV-13
25	LILO of Khara - Saharanpur at Behat	D/C	UPPTCL	5	NOV-13
26	Paricha-Jhansi	D/C	UPPTCL	28	NOV-13
27	Bahadurgarh - Devigarh	D/C	PSTCL	56	DEC-13
28	Hindaun - Gangapurcity	D/C	RVPNL	107	DEC-13
29	LILO of 2nd Ckt of GHTP - Mansa at Dhanaula	D/C	PSTCL	78	JAN-14
30	LILO of GGSSTP - Sahnewal at Ghulal	D/C	PSTCL	11	JAN-14
31	LILO of one ckt of Jamsher - Sultanpur at Badshahpur	D/C	PSTCL	14	JAN-14
32	Churk - Robertsganj	D/C	UPPTCL	13	JAN-14
33	Kotputli - Manoharpur	D/C	RVPNL	99	FEB-14
34	Ridge Valley - Trauma Centre/ AIIMS	D/C	DTL	12	MAR-14
35	Dhuri-Bangan	D/C	PSTCL	101	MAR-14
36	BAAP - Bhadla	D/C	RVPNL	104	MAR-14
37	LILO of Ratangarh - Reengus at Laxmangarh	D/C	RVPNL	6	MAR-14
38	LILO of Bharthana - Manipuri at Saifai	D/C	UPPTCL	2	MAR-14
Total of 220 kV State Sector				1316	
Total NR				2879	
Western Region					
400 kV					
1	LILO of Chandrapur - Parli at Chandrapur II	D/C	MSETCL	3	APR-13
2	Marwa - Raipur (Raitha)	D/C	CSPTCL	281	JUN-13
3	Chandrapur-II - Warora	D/C	MSETCL	91	JUN-13
4	LILO of Karadi I - India Bulls at Koradi II	D/C	MSETCL	7	SEP-13
5	Malwa TPP - Pithampur	D/C	MPPTCL	272	NOV-13
6	Raigarh - Saraipalli	D/C	CSPTCL	222	JAN-14
7	Vadinar - Amreli (Part line)	D/C	GETCO	117	JAN-14
8	Khedamara - Raipur	D/C	CSPTCL	90	FEB-14
9	Pithampur-Indore	D/C	MPPTCL	128	MAR-14
10	Chandrapur switching Stn. - Chandrapur II S/S	S/C	MSETCL	4	MAR-14
Total of 400 kV State Sector				1215	
220 kV					
1	Jalna -Chikhali line (Ckt I)	S/C	MSETCL	90	APR-13
2	Bemetara - Mungeli	S/C	CSPTCL	40	MAY-13
3	LILO of Savarkundla - Vartej at BECL (Padva)	D/C	GETCO	56	JUN-13
4	Nakhatrana-Varsana line	D/C	GETCO	214	JUN-13
5	Otha (Mahuva) - Sagapara (Palitana)	D/C	GETCO	96	JUN-13
6	Ahmadnagar - Bhoose (Belwandi)	D/C	MSETCL	94	JUN-13
7	Dhule Chalisgaon Dondaicha - Kundane Dhule (Extn. of line)	S/C	MSETCL	1	JUN-13
8	Dhule Dondaicha - Kundane Dhule (Extn. of line)	S/C	MSETCL	1	JUN-13
9	Kharghar - Kalwa	M/C	MSETCL	89	JUN-13
10	LILO of Deepnagar - Amalner at Bhamburi	D/C	MSETCL	16	JUN-13
11	Mhaisal - Jath line	D/C	MSETCL	134	JUN-13
12	Parli - Parli (interconnection)	S/C	MSETCL	1	JUN-13
13	Phaltan MIDC - Bothe - Lonad Bothe	S/C	MSETCL	32	JUN-13
14	Urse - Talegaon line 2ckt	S/C	MSETCL	9	JUN-13
15	Khedamara - Rajnandgaon(2nd Ckt)	S/C	CSPTCL	50	JUL-13
16	LILO of GCR - Gadchandur at M/s Grace Industries	D/C	MSETCL	2	JUL-13
17	Raipur- Urla - Siltara line	D/C	CSPTCL	26	SEP-13
18	LILO of both ckts of Nimrani-Julwania at Julwania	D/C	MPPTCL	6	SEP-13

19	Sadawaghapur - Karad line - sadawaghapur	S/C	MSETCL	30	SEP-13
20	Talegaon (MSETCL) - Talegaon (PG)	D/C	MSETCL	3	SEP-13
21	Vita - Ghatnande line - Wayphale	S/C	MSETCL	25	SEP-13
22	Xeldem-Cuncolim	D/C	ED- GOA	20	NOV-13
23	LILO of Itarsi - Narsinghpur at Chichali	D/C	MPPTCL	4	NOV-13
24	LILO of Nagdha - Neemuch at Daloda	D/C	MPPTCL	9	NOV-13
25	LILO of Korba- Amarkantak I & II at Churri	D/C	CSPTCL	2	MAR-14
26	BECL (Padva)- Sagapara line	D/C	GETCO	82	MAR-14
27	LILO of Chorania-Gondal at Sadla	D/C	GETCO	58	MAR-14
28	LILO of Halvad - Bhimasar at Halvad	D/C	GETCO	19	MAR-14
29	LILO of Navsari - Vav line at Popada	D/C	GETCO	18	MAR-14
30	LILO of Tappar - Shivilakha at PS 3 (Bhachau)	D/C	GETCO	3	MAR-14
31	LILO of both ckts of Hadala - Halvad at Sartanpar	D/C	GETCO	46	MAR-14
32	LILO of one ckt Wanakbori-Asoj line at Jarod	D/C	GETCO	28	MAR-14
33	Diversion of Sarni - Pandhurna	D/C	MPPTCL	4	MAR-14
34	Modification / Shifting of Sukha - Birsinghpur / Amarkantak	D/C	MPPTCL	13	MAR-14
35	Modification/Shifting of Jabalpur - Amarkantak	D/C	MPPTCL	16	MAR-14
36	Ratlam - Daloda line	D/C	MPPTCL	74	MAR-14
37	Diversion of Koradi - Kalwa Ckt-I (Bhusawal - Aurangabad) at Jalgaon	S/C	MSETCL	2	MAR-14
38	Diversion of Koradi - Kalwa Ckt-I (Bhusawal - BBLR) at Jalgaon	S/C	MSETCL	2	MAR-14
39	LILO of 2nd Ckt Vita -Pandhrapur line at Hiwarwadi S/S	D/C	MSETCL	6	MAR-14
40	LILO of Khaparkheda - Wardha at New Buttibori-III	D/C	MSETCL	3	MAR-14
41	LILO of Pusad - Nanded at Ghatodi	D/C	MSETCL	33	MAR-14
42	LILO of Waluj Bahaleshwar at Deogaon Rangari S/S	D/C	MSETCL	26	MAR-14
43	Tap on Babhaleshwar - Chalisgaon at Kopergaon	D/C	MSETCL	11	MAR-14
44	Tap on Vita - Comboti at Mahali S/S	D/C	MSETCL	2	MAR-14
Total of 220 kV State Sector				1496	
Total WR				2711	
Southern Region					
400 kV					
1	Bhoopalapally (Kakatiya) - Gajwel	D/C	APTRANSCO	262	SEP-13
2	Alamathy -Sunguvarchatram (1st Ckt)	D/C	TANTRANSCO	98	JAN-14
3	Alamathy -Sunguvarchatram (2nd Ckt)	D/C	TANTRANSCO	100	MAR-14
Total of 400 kV State Sector				460	
220 kV					
1	Thudiyalur-O.K. Mandapam (2nd Ckt Strng.)	S/C	TANTRANSCO	26	APR-13
2	LILO of Gobi- MTPS at Anthiyur	D/C	TANTRANSCO	2	JUN-13
3	Arasur - Palladam	S/C on D/C	TANTRANSCO	55	JUL-13
4	Extension of NCTPS - Gummudipoondi feeder to M/s Michellin Tyres.	S/C	TANTRANSCO	18	SEP-13
5	Oglapur 400kV S/S- Durshed	D/C	APTRANSCO	142	OCT-13
6	Bidadi 400kV(PG) -Bidadi 220kV S/S	D/C	KPTCL	7	OCT-13
7	Ghataprabha - Chikkodi	D/C	KPTCL	75	OCT-13
8	Elephantgate - Mylapore (UG cable)	S/C	TANTRANSCO	12	OCT-13
9	LILO of Tharamani - Veerapuram at 400 kV Kalivanthapattu	S/C	TANTRANSCO	16	OCT-13
10	LILO of K.R. Thoppur - Gobi at Pallakkapalayam	D/C	TANTRANSCO	10	NOV-13
11	LILO of Veltoor -Jurala at Lower Jurala HEP	D/C	APTRANSCO	9	DEC-13
12	LILO of Manubolu - Renigunta at Ranchagunneri S/S	D/C	APTRANSCO	2	JAN-14
13	LILO of Tadikanda - Ongole at Podili (Lot I & II)	D/C	APTRANSCO	143	JAN-14
14	LILO of Gachibowli - Thandur at Yeddumailaram	D/C	APTRANSCO	20	MAR-14
15	Sattenapalli (Narsaraopet) - Narsaraopet	D/C	APTRANSCO	40	MAR-14
16	Yeddumailaram - Sadasivpet	D/C	APTRANSCO	74	MAR-14

17	LILO of Kundha PH III - PUSHEP at Karamadai	D/C	TANTRANSCO	2	MAR-14
Total of 220 kV State Sector				653	
Total SR				1113	
Eastern Region					
400 kV					
1	Kolaghat TPS - Kharagpur	S/C	WBSETCL	91	FEB-14
Total of 400 kV State Sector				91	
220 kV					
1	LILO of one Ckt of STPS - N. Bishnupur line at Hura	D/C	WBSETCL	32	APR-13
2	Purnea (PG)-Madhepura Line	D/C	BSEB	200	AUG-13
3	Lohardagga-Latehar	D/C	JSEB	112	SEP-13
4	Dalkhola(PG)- Dalkhola	D/C	WBSETCL	2	NOV-13
5	Jeerat-Rishra	D/C	WBSETCL	140	NOV-13
6	Kharagpur - Midnapur	D/C	WBSETCL	92	DEC-13
7	Latehar- Daltonganj	D/C	JSEB	130	FEB-14
8	Extn. of Hajipur - Muzaffarpur (Kanti) to Muzaffarpur (PG)	D/C	BSEB	14	MAR-14
9	LILO of Domjur - Howrah at Foundry Park	D/C	WBSETCL	60	MAR-14
10	LILO of Jeerat - KLC at NTAA-III	D/C	WBSETCL	4	MAR-14
Total of 220 kV State Sector				786	
Total ER				877	
North Eastern Region					
220 kV					
1	LILO of one ckt Sarusajai -Samaguri at Jawaharnagar S/S	D/C	AEGCL	1	SEP-13
Total of 220 kV State Sector				1	
Total NER				1	
Total State Sector				7581	
PRIVATE SECTOR					
765 kV					
1	Tiroda - Akola-II	S/C	APL	361	FEB-14
Total of 765 kV Private Sector				361	
400 kV					
1	Dhariwal TPS -Channdrapur II (1st Ckt)	S/C	DIPL	10	SEP-13
2	Prunia - Biharsharif Line (ENICL)	D/C	SGL	464	SEP-13
3	Parli (PG) - Pune (PG)	MC+D/C	RPTL	668	NOV-13
4	Pune (PG) - Aurangabad (MSETCL)	MC+D/C	RPTL	476	JAN-14
5	Akola- I - Akola-II	D/C	APL	61	FEB-14
6	Nasik-Bableshwar (1st Ckt)	D/C	IBPL	57	MAR-14
7	LILO of Rourkela - Raigarh at Sterlite TPP (2nd LILO)	D/C	SEL	60	MAR-14
Total of 400 kV Private Sector				1796	
220 kV					
1	Subhasgram (PGCIL) - CESC 220 KV S/S	D/C	CESC	48	MAR-14
Total of 220 kV Private Sector				48	
Total Private Sector				2205	

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 799 ANSWERED IN THE LOK SABHA ON 28.04.2016.

Transmission Lines Completed During 2014-2015

As on 31-MAR-2015

Sl. No.	Name of Transmission Lines	Circuit Type	Executing Agency	Line Length (cKM)	Month of Completion
1	2	3	4	5	6
CENTRAL SECTOR					
765 kV					
1	Bina - Gwalior line (3rd Ckt)	S/C	PGCIL	231	MAY-14
2	Champa Pooling Station - Dharamjaygarh / Near Korba Switching Station line	S/C	PGCIL	62	MAY-14
3	Champa Pooling Station - Raipur Pooling Station line	D/C	PGCIL	298	MAY-14
4	Indore - Vadodara	S/C	PGCIL	320	MAY-14
5	Kurnool - Raichur (IInd Ckt)	S/C	PGCIL	118	JUN-14
6	Rihand - Vindhychal Pooling Station (1st Ckt)	S/C	PGCIL	31	JUN-14
7	Jharsuguda Pooling Station Dharamjaygarh line.	D/C	PGCIL	300	JUL-14
8	Wardha - Aurangabad-I	D/C	PGCIL	690	JUL-14
9	Satna - Gwalior line (60 Km D/C Portion) Ckt-II	D/C+S/C	PGCIL	300	AUG-14
10	Kurnool - Nellore	D/C	PGCIL	602	OCT-14
11	Kurnool - Thiruvalem line	D/C	PGCIL	710	NOV-14
12	Raipur Pooling Station - Wardha line	D/C	PGCIL	736	NOV-14
13	Sholapur - Pune	S/C	PGCIL	268	FEB-15
14	Angul Pooling Station - Jharsuguda Pooling Station line-I	S/C	PGCIL	274	MAR-15
15	Vindhychal Pooling Station - Satna line (2 Km D/C Portion) Ckt-I	D/C+S/C	PGCIL	271	MAR-15
16	Wardha - Aurangabad -II	D/C	PGCIL	701	MAR-15
Total of 765 kV CENTRAL Sector				5912	
400 kV					
1	Aurangabad (PG)-Aurangabad (MSETCL)	D/C	PGCIL	118	APR-14
2	LILO of Teesta-V Siliguri line at Rangpo (1 D/C & 1.5 M/C)	D/C	PGCIL	7	APR-14
3	Nellor - Thiruvalem (Quad) line	D/C	PGCIL	352	APR-14
4	LILO of 2nd Ckt of Lucknow - Bareilly line (PG) at Shahjahanpur	D/C	PGCIL	25	JUN-14
5	LILO of Neyveli - Trichy at Nagapattnam Pooling station	S/C	PGCIL	46	JUN-14
6	Thiruvalem - Sholinganallur line	D/C	PGCIL	228	JUL-14
7	Anuppur (Moser Baer) - Jabalpur Pooling Station	D/C	PGCIL	492	AUG-14
8	Dadr-Loni (Harsh Vihar)	S/C	NTPC Ltd.	108	SEP-14
9	Koderma - Gaya (Balance part)	D/C	PGCIL	152	SEP-14
10	Maithon -Gaya line (Balance part)	D/C	PGCIL	130	SEP-14
11	Balipara - Bongaigaon	D/C	PGCIL	609	OCT-14
12	LILO of Both Ckt Jamshedpur - Rourkela line at Chaibasa	D/C	PGCIL	56	OCT-14
13	LILO of Nathpa Jhakri - Nalagarh at Rampur (2nd Ckt balance)	D/C	PGCIL	2	OCT-14
14	LILO of Teesta-V Siliguri line at Rangpo (2nd ckt balance)	D/C	PGCIL	5	OCT-14
15	LILO of Navsai - Boisar at Magarwada	D/C	PGCIL	16	NOV-14
16	Bokaro TPS Extn.- Koderma TPS	D/C	PGCIL	200	DEC-14
17	Sagardighi - Baharampur	D/C	PGCIL	52	DEC-14
18	Bachou - Varsana line	D/C	PGCIL	20	JAN-15

19	LILO of both ckts of Tuticorin JV - Maduri at Tuticorin Pooling station	D/C	PGCIL	9	JAN-15
20	Sikar - Ratnagarh line	D/C	PGCIL	156	JAN-15
21	LILO of Parli - Pune at Pune	D/C	PGCIL	39	FEB-15
22	LILO of Dehar - Panipat at Panchkula	D/C	PGCIL	18	MAR-15
23	Silchar - Imphal (New) line (to be charged at 132KV)	D/C	PGCIL	334	MAR-15
Total of 400 kV CENTRAL Sector				3174	
220 kV					
1	Gola - Ramgarh	D/C	DVC	74	MAY-14
2	LILO of Ckt-II Jullandhur - Hamirpur at Hamirpur (PG)	D/C	PGCIL	19	FEB-15
Total of 220 kV CENTRAL Sector				93	
Total Central Sector				9179	
STATE SECTOR					
Northern Region					
765 kV					
1	Anpara C - Anpara D	S/C	UPPTCL	3	JUN-14
Total of 765 kV State Sector				3	
400 kV					
1	Moga- Nakodar	D/C	PSTCL	128	APR-14
2	Nakodar - Makhu line	D/C	PSTCL	105	MAY-14
3	Rajpura Thermal - Nakodar	D/C	PSTCL	279	MAY-14
4	Mukatsar -Makhu	D/C	PSTCL	191	JUL-14
5	Talwandi Sabo-Mukatsar	D/C	PSTCL	201	SEP-14
6	LILO of Muzaffarnagar -Vishnuprayag at Srinagar	D/C	UPPTCL	7	NOV-14
7	Chhabra TPS - Anta (Baran)	D/C	RVPNL	179	JAN-15
8	LILO of Panki - Muradnagar at Aligarh	D/C	UPPTCL	66	JAN-15
9	Bara - Meza line	D/C	UPPTCL	65	MAR-15
10	LILO of Panki - Obra at Rewa Road	D/C	UPPTCL	1	MAR-15
11	Rewa Road - Meza line	D/C	UPPTCL	68	MAR-15
Total of 400 kV State Sector				1290	
220 kV					
1	LILO of Moga - Ferozepur at Talwandi Bhai	D/C	PSTCL	4	APR-14
2	LILO of Debari - Banswara at Madri (Udaipur)	D/C	RVPNL	34	APR-14
3	LILO of Muradnagar - Modipuram at Faridnagar	S/C	UPPTCL	31	APR-14
4	Dhuri (Bhalwan) - Dhanaula	D/C	PSTCL	75	MAY-14
5	LILO of Dhuri - Bangan at Chhajali (Loop out)	S/C	PSTCL	27	MAY-14
6	Nakodar - Nurmehal	D/C	PSTCL	30	MAY-14
7	Ajari - Bhadla line	D/C	RVPNL	48	MAY-14
8	Bap-Ajari line	D/C	RVPNL	57	MAY-14
9	LILO of Ratangarh -Bikaner at Bandnu	D/C	RVPNL	42	MAY-14
10	Makhu - Dharam kot	D/C	PSTCL	42	JUN-14
11	Patti - Algon (2nd Ckt)	S/C	PSTCL	20	JUN-14
12	LILO of Khodri - Rishikesh at Dehradun	D/C	PTCUL	5	JUN-14
13	Lalitpur TPS - Jhansi	D/C	UPPTCL	185	JUN-14
14	Terminating tower point - HSR Layout (Cable work)	UG Cable	KPTCL	3	JUL-14
15	LILO of Baja khana - Mukatsar at Kotkapura	D/C	PSTCL	3	JUL-14
16	Kashipur - Mahuakheraganj	D/C	PTCUL	34	JUL-14
17	Shalimar bagh - Wazirpur, U/G,1000 mm, 200 MW	D/C	DTL	8	AUG-14
18	LILO of Dausa -Alwar at Alwar	D/C	RVPNL	9	AUG-14
19	LILO of Mandawar-Alwar (MIA) at Alwar	D/C	RVPNL	1	AUG-14
20	LILO of Harduagani - Hathras at Khair	D/C	UPPTCL	75	AUG-14
21	LILO of Rewan Road - Fatehpur at Sirathu	S/C	UPPTCL	6	AUG-14
22	LILO of Bawana-Najafgarh at Kanjhawla	D/C	DTL	6	SEP-14
23	Maharani Bagh- Gazipur (0.5kM cable on Maharani Bagh side & 8.5kM OH line)	D/C	DTL	19	SEP-14
24	Bhawad - Bhopalgarh	D/C	RVPNL	93	SEP-14
25	Ghazipur - Rasra	S/C	UPPTCL	59	SEP-14
26	LILO of Obra - Allahabad II Ckt at Mizrapur	D/C	UPPTCL	8	SEP-14
27	LILO of Moradabad - CB Ganj at Rampur	D/C	UPPTCL	24	OCT-14
28	LILO of Muzaffarngr - Nara -II ckt at Jansath	D/C	UPPTCL	20	OCT-14

29	Puricha - Jhansi	D/C	UPPTCL	14	OCT-14
30	LILO of one ckt of Badshahpur - Bhiwadi at HSIIDC Bawal	D/C	HVPNL	36	NOV-14
31	Aau-Baithwasia	D/C	RVPNL	93	NOV-14
32	Bhawad-Baithwasia	D/C	RVPNL	66	NOV-14
33	Jaipur (South -PG) - Vatika line	D/C	RVPNL	56	NOV-14
34	LILO of Ajmer -Beawer line at Ajmer	D/C	RVPNL	38	NOV-14
35	LILO of Bhilwara -Bali at Bamantukda	D/C	RVPNL	26	NOV-14
36	LILO of Duni - SEZ(220 KV GSS) line at Jaipur (south)(PG)	D/C	RVPNL	55	NOV-14
37	Ramgarh (GTPP) - Chandan	D/C	RVPNL	194	NOV-14
38	Harduaganj - Jahangirabad	D/C	UPPTCL	99	NOV-14
39	LILO of Tanda - Sultanpur at Tanda(New)	D/C	UPPTCL	8	NOV-14
40	LILO of 2nd Ckt of Patiala - Patran at Rajla	D/C	PSTCL	12	DEC-14
41	Sarna - Sujanpur line	D/C	PSTCL	9	DEC-14
42	Chandan - Dechu	D/C	RVPNL	202	DEC-14
43	Gurgaon Sector-72- Gurgaon Sector-20	D/C	HVPNL	24	JAN-15
44	Gonda - Basti	S/C	UPPTCL	105	JAN-15
45	Gurgaon Sector-72- Gurgaon Sector-20 (2nd Ckt)	D/C	HVPNL	24	FEB-15
46	LILO of Ras - Merta line at Jethana	D/C	RVPNL	39	FEB-15
47	LILO of Monga - Jagron at Himatpura	D/C	PSTCL	56	MAR-15
48	Mukatsar - Ghubaya	D/C	PSTCL	81	MAR-15
49	Nakodar - Kartarpur	D/C	PSTCL	55	MAR-15
50	Barmer - M/s Carins	S/C	RVPNL	23	MAR-15
51	Heerapura -Nala Power House (Upgradation)	D/C	RVPNL	9	MAR-15
52	LILO of one ckt of Bapp - Bhadla at Badisid	D/C	RVPNL	29	MAR-15
53	Sujargarh - Tehendesar (GSS)	S/C	RVPNL	53	MAR-15
54	LILO of Lucknow - Sitapur at BKT	D/C	UPPTCL	3	MAR-15
55	Lalitpur TPS - Lalitpur TPS S/S (Ckt-I)	D/C	UPPTCL	19	MAR-15
Total of 220 kV State Sector				2396	
Total NR				3689	
Western Region					
400 kV					
1	LILO of Waluj - Bhusawal at Thaptitanda	D/C	MSETCL	154	MAY-14
2	Thaptitanda (Aurangabad -II) - Ektuni	D/C	MSETCL	9	MAY-14
3	Babhaleshwar - Aurangabad II	D/C	MSETCL	254	JUL-14
4	Kosamba-Chorania line	D/C	GETCO	460	AUG-14
5	Chhegaon - Julwania	D/C	MPPTCL	225	NOV-14
6	LILO of Mundra - Chorania at Halvad S/S	D/C	GETCO	4	FEB-15
7	Mundra - Zerda line (Terminated at Varsana)	D/C	GETCO	161	MAR-15
Total of 400 kV State Sector				1267	
220 kV					
1	Korba -Vishrampur	S/C	CSPTCL	153	AUG-14
2	LILO of Raigarh - Jindal (Tamnar) at Girwani	D/C	CSPTCL	15	AUG-14
3	LILO of GAVASAD - SLPP at Karjan	D/C	GETCO	23	AUG-14
4	LILO of Karamsad-Vartej at Dhuvaran CCPP-III	D/C	GETCO	78	AUG-14
5	Khaperkheda - Butibori -I	D/C	MSETCL	126	SEP-14
6	Purti - Butibori - III	D/C	MSETCL	78	SEP-14
7	Daloda - Mandsaur	D/C	MPPTCL	14	NOV-14
8	LILO of Jabalpur (Sukha) - Birsinghpur / Amarkantak at Panagar	D/C	MPPTCL	7	NOV-14
9	LILO of Jeur - Karkambh at Shinde SKS	D/C	MSETCL	5	NOV-14
10	LILO of Morbi - Lalpar at Sartanpar	D/C on M/C	GETCO	17	DEC-14
11	LILO of Tappar - Nani Khakhar at Mokha	D/C	GETCO	21	DEC-14
12	220 kV Apta - Kalwa line at Loc. No 647& 652 & 220 kV Kalwa - Taloja at Loc. No. 652 to 654 for Metra Rail Depot	S/C	MSETCL	4	DEC-14
13	Khadaki (VSNL - Dighi) - Theur-II line from Lonikand -I to Lonikand-II S/S	S/C	MSETCL	1	DEC-14
14	LILO of Hinjewadi - Infosys line at Pegasus	D/C	MSETCL	6	DEC-14
15	LILO of Kolhapur II - Mumewadi at Ghorpade	D/C	MSETCL	7	DEC-14

16	Shifting & height raising of 220 kV Kalwa - Taloja & 220 kV Kalwa - Apta line Loc. 652-653-654 for Metro rail Depot and Loc. No 647 to 652 metro rail at Panchananda	S/C	MSETCL	4	DEC-14
17	Tap on 220 kV Bhigwan-Kurkumbh at 220 kV Shirsuphal	S/C	MSETCL	5	DEC-14
18	Tarapur - Boisar line	S/C	MSETCL	1	DEC-14
19	Tarapur - Borivali line	S/C	MSETCL	1	DEC-14
20	LILO of Both ckt Viramgam - Bhat at Sanand	D/C	GETCO	22	JAN-15
21	LILO of Badod - Kota line & Badod - Modak line at Bhanpura	D/C	MPPTCL	4	JAN-15
22	LILO of Bina - Bhopal line at Ganjbasoda	D/C	MPPTCL	11	JAN-15
23	LILO of Narsinghpur - Itarsi at Pipariya	D/C	MPPTCL	9	JAN-15
24	LILO of Botad - Vartej at Vallabhipur	D/C	GETCO	2	FEB-15
25	Ashta - Berchha (2nd Ckt)	D/C	MPPTCL	45	FEB-15
26	Ashta - Indore - II (Jetpura)	S/C on D/C	MPPTCL	199	FEB-15
27	Berchha - Shajapur -I	D/C	MPPTCL	20	FEB-15
28	LILO of Pandharpur - Malinagar at karkambh	D/C	MSETCL	3	FEB-15
29	LILO of Dhanki - Veramgam at Dhanki	D/C	GETCO	1	MAR-15
30	LILO of Halvad - Bhimasar at Chardava	D/C	GETCO	2	MAR-15
31	LILO of Kadana - Dhansura at Modasa	2xD/C	GETCO	22	MAR-15
32	LILO of Navsari -Bhilad at Atul S/s	D/C	GETCO	9	MAR-15
33	LILO of one ckt Kosamba-Mobha line at Suva	D/C	GETCO	115	MAR-15
34	Berchha - Shajapur -II	D/C	MPPTCL	20	MAR-15
35	Gwalior (PGCIL) - Gwalior-II	D/C	MPPTCL	3	MAR-15
36	Amravati - Badnera line (2 Ckt)	S/C	MSETCL	30	MAR-15
37	LILO of Gangapur - Malegaon (Satana) at Sakri (Shivajinagar)	D/C	MSETCL	55	MAR-15
Total of 220 kV State Sector				1138	
Total WR				2405	
Southern Region					
400 kV					
1	Karaikudi - Kayathar	D/C	TANTRANSCO	390	JUL-14
2	Pugalur - Ottiyambakkam - Kalivanthapattu (Melakottaiyur)	D/C	TANTRANSCO	727	JUL-14
3	MTPS Stage-III - Thiruvallam	D/C	TANTRANSCO	204	JAN-15
4	Bonapally - Chittoor (Quad)	D/C	APTRANSCO	196	FEB-15
5	a) Jujjuru - Sattenapalli (b) LILO of VTS - Srisailam line at Sattenapalli	D/C	APTRANSCO	134	MAR-15
Total of 400 kV State Sector				1651	
220 kV					
1	LILO of Arasur-Ingur at Karamadai S/S	D/C	TANTRANSCO	5	APR-14
2	Narasaraopet - Parchur	D/C	APTRANSCO	106	JUN-14
3	Terminating tower point - HSR Layout (Cable work)	UG Cable	KPTCL	3	JUL-14
4	LILO of Kayathar - Anuppankulam at Kayathar	D/C	TANTRANSCO	4	JUL-14
5	LILO of Kayathar - Pasmalai at Kayathar	D/C	TANTRANSCO	4	JUL-14
6	LILO of Thudiyalur - Othakalmandapam at Coimbatore	D/C	TANTRANSCO	10	JUL-14
7	LILO of Thiruvallam - Kanchipuram SP Koil at Thiruvallam	D/C	TANTRANSCO	10	AUG-14
8	LILO of Budidampad - Bhongiri at Weddekothapally	D/C	APTRANSCO	14	SEP-14
9	LILO of New Pallom- Kayamkulam at Punnappa	D/C	KSEB	36	SEP-14
10	LILO of Thiruvallam - Singarapet at Thiruvallam	D/C	TANTRANSCO	20	OCT-14
11	Manubolu - Sullurpeta	D/C	APTRANSCO	136	NOV-14
12	Kadaperi - Kalivanthapattu line	S/C	TANTRANSCO	38	JAN-15
13	LILO of K.R.Thoppur-Deviakurichi at Singapuram	D/C	TANTRANSCO	14	JAN-15
14	CBE - Mandapam	D/C	TANTRANSCO	10	FEB-15
15	LILO of Kundha PH III - PUSHEP at Karamadai	D/C	TANTRANSCO	1	FEB-15

16	Hiriyur - Gowribidanur	D/C	KPTCL	241	MAR-15
Total of 220 kV State Sector				652	
Total SR				2303	
Eastern Region					
220 kV					
1	Hura - Raghunathpur	D/C	WBSETCL	67	AUG-14
2	Kanti - Darbhanga (2nd Ckt)	S/C	BSEB	68	SEP-14
3	Mendhasal-Bidanasi	D/C	OPTCL	62	DEC-14
Total of 220 kV State Sector				197	
Total ER				197	
North Eastern Region					
400 kV					
1	LILO of Palatana - Bongaigaon at Azara S/S	D/C	AEGCL	7	JAN-15
Total of 400 kV State Sector				7	
220 kV					
1	BTPS-Agia-Sarusajai (2nd Circuit, Balance portion)	S/C	AEGCL	65	SEP-14
Total of 220 kV State Sector				65	
Total NER				72	
Total State Sector				8666	
PRIVATE SECTOR					
765 kV					
1	Raichur - Sholapur line	S/C	RSTCL	208	JUN-14
2	Akola - Aurangabad line ckt-I	S/C	APL	219	AUG-14
3	Aurangabad - Dhule (BDTCL)	S/C	SGL	192	OCT-14
4	Bhopal - Indore (BDTCL)	S/C	SGL	176	OCT-14
5	Dhule - Vadodara (BDTCL)	S/C	SGL	263	FEB-15
6	Tiroda - Koradi - Akola - Aurangabad line ckt-II	S/C	APL	575	MAR-15
Total of 765 kV PVT Sector				1633	
400 kV					
JOINT SECTOR					
1	Koldam - Ludhinana (JV Portion)	D/C	PKTCL	301	SEP-14
2	Parbati -II- Koldam line -II	S/C	PKTCL	76	SEP-14
3	Parbati- II - Koldam line-I	S/C	PKTCL	81	OCT-14
Total of 400 kV JOINT Sector				458	
1	LILO of ACBIL-Baraari (Bilaspur) PS at Bandakhar (Maruti Clean Coal)	D/C	MCCPL	6	JUN-14
2	Byrnihat - Azara (2nd Ckt) (Part of Silchar - Azara)	S/C	NETC	42	JUL-14
3	Bhopal - Bhopal (BDTCL)	D/C	SGL	17	JUL-14
4	DB Power (Baradarha) - Raigarh (Kotra) Pooling Station	D/C	DBPCL	36	AUG-14
5	LILO of one ckt of Bhadravati (PG) - Parli at Dhariwal	D/C	DIPL	31	AUG-14
6	Derang - Angul Pooling Station	MC+D/C	JPL	154	AUG-14
7	Dhule (IPTC) - Dhule (MSETCL) (BDTCL)	D/C	SGL	35	SEP-14
8	Bongaigoan - Siliguri Line (ENICL)	D/C	SGL	443	NOV-14
9	Kamalanga (GMR) - Angul pooling station	D/C	GMR ENER	60	DEC-14
10	Haldia - Subhasgram line	D/C	CESC	178	JAN-15
11	Dhariwal TPS -Channdrapur II (2nd Ckt)	S/C	DIPL	10	JAN-15
12	Tamnar TPP - Raigarh (Tamnar) Pooling Station	2xD/C	JPL	44	JAN-15
13	Bina TPS - Suitable location (along Bina (PG) - Bina (MPPTCL))	D/C	JV(PG&JP)	40	JAN-15
14	Termination of Ckt of above at Bina (PG) & otuer ckt at Bina (MPTCL)	D/C	JV(PG&JP)		JAN-15
15	Azara - Bongaigaon (2nd Ckt)	D/C	NETC	159	JAN-15
16	Amravati - Akola (Bableshwar) - I	D/C	IBPL	207	MAR-15
17	Satpura - Ashta	D/C	KPTL	482	MAR-15
18	Azara - Bongaigaon	D/C	NETC	201	MAR-15
Total of 400 kV PVT Sector				2145	
220 kV					
1	GEPL -MIDC S/S	D/C	GEPL	20	SEP-14
Total of 220 kV PVT Sector				20	
Total Private Sector				4256	

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 799 ANSWERED IN THE LOK SABHA ON 28.04.2016.

Transmission Lines Completed During 2015-2016

As on 31-MAR-2016

Sl. No.	Name of Transmission Lines	Circuit Type	Executing Agency	Line Length (cKM)	Month of Completion
1	2	3	4	5	6
CENTRAL SECTOR					
±800 kV					
1	+/- 800KV HVDC Biswanath Chariyali - Agra Bi-pole line	BIPOLE	PGCIL	3506	SEP-15
Total of ±800 kV				3506	
765 kV					
1	Sasan - Vindhyachal (PS)	S/C	PGCIL	6	APR-15
2	Meerut - Moga line	S/C	PGCIL	337	MAY-15
3	Raigarh Pooling Station (Near Kotra) - Champa Pooling Station line	S/C	PGCIL	96	MAY-15
4	Gwalior - Jaipur (Ckt 1)	S/C	PGCIL	305	AUG-15
5	Gwalior - Jaipur line (Ckt 2)	S/C	PGCIL	311	AUG-15
6	Jaipur - Bhiwani line	S/C	PGCIL	272	AUG-15
7	Rihand - Vindhyachal Pooling Station (2nd Ckt)	D/C	PGCIL	31	AUG-15
8	Vindhyachal Pooling Station - Satna Ckt-II	S/C	PGCIL	271	AUG-15
9	Aurangabad - Solapur line	D/C	PGCIL	556	SEP-15
10	Dharamjaygarh - Jabalpur Pooling Station line	D/C	PGCIL	848	SEP-15
11	Narendra (New, Kudgi) - Kolhapur (new)	D/C	PGCIL	374	NOV-15
12	Kurnool (New) - Raichur line	D/C	PGCIL	120	DEC-15
13	Ranchi (New) - Dharamjaygarh /Near Korba	S/C	PGCIL	341	DEC-15
14	Angul Pooling Station - Jharsuguda Pooling Station line-II	S/C	PGCIL	284	JAN-16
15	Balia - Varanasi	S/C	PGCIL	165	MAR-16
16	LILO of Gaya - Fatehpur at Varanasi line	S/C	PGCIL	7	MAR-16
Total of 765 Kv Central Sector				4324	
400 kV					
1	400 kV D/C trans. Line for swapping of Kahalgaon #1 bay with Sasaram# 1 bay at Biharshariff S/Stn.	D/C	PGCIL	20	APR-15
2	Bareilly - Kashipur line (Quad)	D/C	PGCIL	202	APR-15
3	Sholapur STPP - Sholapur line-I	D/C	PGCIL	22	APR-15
4	Barh-II - Gorakhpur	D/C	PGCIL	698	MAY-15
5	LILO of Moga - Bhiwani at Hissar line	D/C	PGCIL	4	JUN-15
6	LILO of One Ckt of Baripada - Mendhasal line at Dubri (OPTCL)	D/C	PGCIL	32	JUL-15
7	LILO of Dehar - Bhiwani at Rajpura (PSTCL)	S/C	PGCIL	29	JUL-15
8	Silchar - Purba Kanchan Bari line (charged at 132KV)	D/C	PGCIL	254	JUL-15
9	Vijayawada - Nellore line	D/C	PGCIL	661	JUL-15
10	LILO of 2nd ckt of Neyveli - Trichy at Nagapattnam	D/C	PGCIL	46	AUG-15
11	Salem Pooling Station - Salem	D/C	PGCIL	120	AUG-15
12	Balipara - Biswanath Chariyali	D/C	PGCIL	114	SEP-15
13	Mysore - Kozhikode	D/C	PGCIL	420	SEP-15
14	Bhiwani - Hissar line	D/C	PGCIL	113	OCT-15

15	LILO of Ranganadi - Balipara 400KV D/C line at Biswanath Chariyali (Pooling Point)	D/C	PGCIL	114	OCT-15
16	Gooty - Madhugiri	D/C	PGCIL	418	NOV-15
17	Kurukshetra - Jalandhar (Ckt-I)	D/C	PGCIL	266	NOV-15
18	LILO of Abdullapur - Sonapat at Kurukshetra (Tripal)	D/C	PGCIL	30	NOV-15
19	LILO of both ckt of Kolhapur - Mapusa at Kolhapur (new)	D/C	PGCIL	90	NOV-15
20	Narendra (New, Kudgi) - Narendra (Existing)	D/C	PGCIL	354	NOV-15
21	Kashipur - Roorkee line	S/C	PGCIL	302	DEC-15
22	Khamam - Nagarjunasagar line (By Vizag Transmission Ltd.)	D/C	PGCIL	290	JAN-16
23	Kurukshetra - Jalandhar (Ckt-II)	D/C	PGCIL	265	JAN-16
24	Surjamaninagar (Tripura) - Indo-Bangladesh Border line (operated at 132 kV)	D/C	PGCIL	35	JAN-16
25	Ext. of one ckt Biharshariff - Sasaram at Varanasi (Q)	D/C	PGCIL	251	MAR-16
26	Kishanganj - Patna line (Quad)	D/C	PGCIL	692	MAR-16
27	LILO of Meerut - Kaithal at Bagpat (Ckt-I)	D/C	PGCIL	61	MAR-16
28	LILO of Sasaram - Allahabad at Varanasi (Q)	D/C	PGCIL	24	MAR-16
29	LILO of Siliguri (Existing) - Purnea at Kishanganj	D/C	PGCIL	16	MAR-16
30	NCC gen Sw Yd. - Nellore PS line (Q)	D/C	PGCIL	66	MAR-16
Total of 400 KV CENTRAL Sector				6009	
220 kV					
1	Rangpo - New Melli line (Twin Moose) (20.5 D/C & 1.5 M/C)	MC+D/C	PGCIL	54	MAY-15
2	Mariani (New) - Mokikchung (PG)	D/C	PGCIL	97	JUN-15
3	Kodarma-Giridih	D/C	DVC	212	AUG-15
4	LILO of Siliguri - Dalkhola line at New Pooling Station Kishanganj	D/C	PGCIL	36	MAR-16
Total of 220 KV CENTRAL Sector				399	
TOTAL CENTRAL SECTOR				14238	
STATE SECTOR					
Northern Region					
400 kV					
1	LILO of Moga-Hisar line at RGTPS Khedar	D/C	HVPNL	2	AUG-15
2	Bikaner- Merta	S/C	RVPNL	172	NOV-15
3	LILO of Bhiwani - Bahadurgarh (PGCIL) at Kaboolpur S/S	D/C	HVPNL	13	DEC-15
4	Anpara B-Anpara D (Ckt-I)	D/C	UPPTCL	5	MAR-16
Total of 400 kV				192	
220 kV					
1	Mundka -Peeragarhi U/G 200 mm, 250 MW	D/C	DTL	26	APR-15
2	Gurgaon Sector 72 (PGCIL) - Gurgaon Sector 72 (HVPNL)	D/C	HVPNL	1	APR-15
3	Gurgaon Sector 72 (PGCIL) - Gurgaon Sector 33 (HVPNL)	D/C	HVPNL	7	APR-15
4	LILO of Badshahpur - Bhiwadi - Mau line at Panchgaon	D/C	HVPNL	3	APR-15
5	LILO of Both Ckt Malerkotla - Barnala at Sandhaur	D/C	PSTCL	12	APR-15
6	LILO of Both Ckt Malerkotla - Pakhowal at Sandhaur	D/C	PSTCL	13	APR-15
7	Sanganer- Sitapura (Upgradation) Ckt-II	D/C	RVPNL	11	APR-15
8	LILO of Muzaffarnagar - Nara II at Jansath Ckt-II	D/C	UPPTCL	20	APR-15
9	Lalitpur - Lalitpur TPS (Ckt-II)	D/C	UPPTCL	19	APR-15
10	Muzaffarnagar - Nara Ckt-II	D/C	UPPTCL	12	APR-15
11	Masudpur-Samain line	D/C	HVPNL	91	MAY-15
12	Bhatinda - Mukatsar (2nd CKt)	D/C	PSTCL	23	MAY-15

13	LILO of one ckt Kotputli -Manoharpur at Kotputli (PG)	D/C	RVPNL	12	MAY-15
14	LILO of one ckt Neemrana -Kotputli at Behror	D/C	RVPNL	31	MAY-15
15	Talwandi - Dharamkot	D/C	PSTCL	63	JUN-15
16	LILO of Ajmer -Kishangarh line at Ajmer	D/C	RVPNL	11	JUN-15
17	LILO of Khetri - Heerapura line at Babai	D/C	RVPNL	5	JUN-15
18	LILO of Kuchamancity -Dhod at Deedwana	D/C	RVPNL	88	JUN-15
19	LILO of Kanjhawala - Najafgarh at Mundka 400 kV S/S	D/C	DTL	11	JUL-15
20	LILO of AD Hydro-Nalagarh at Fozal	D/C	HPPTCL	13	JUL-15
21	Mau - Balwal	D/C	HVPNL	37	JUL-15
22	LILO of Dhuri - Bangan at Chhajali (Loop in)	D/C	PSTCL	29	JUL-15
23	LILO of Mandawar -Nadbai- Bharatpur at Chonkarwada	D/C	RVPNL	5	JUL-15
24	Mukatsar - Abohar	D/C	PSTCL	87	AUG-15
25	Kotputli (PG) - Bansur	D/C	RVPNL	84	AUG-15
26	LILO of KTPS - Sanganer line at Vatika	D/C	RVPNL	11	AUG-15
27	Gurgaon Sector 72 - Nuh - Rangla Raipur (Ckt-I & II)	D/C	HVPNL	146	SEP-15
28	Debari - Salumber (2nd Ckt)	D/C	RVPNL	64	SEP-15
29	220 kV LOC 49 of Roza-Hardoi to 220 Shahjehanpur	D/C	UPPTCL	20	SEP-15
30	LILO of Harduaganj- Khair (Aligarh) line at Boner	D/C	UPPTCL	6	SEP-15
31	LILO of khurja-NAPP-I line at Debai	D/C	UPPTCL	1	SEP-15
32	Jalore - Sayla	S/C	RVPNL	54	OCT-15
33	Neemrana-(PG)-Behror	D/C	RVPNL	54	OCT-15
34	Tehandesar(proposed)-Badnu	S/C	RVPNL	32	OCT-15
35	Hindaun -Chonkarwada	D/C	RVPNL	72	NOV-15
36	LILO of Alwar -Kotputli at Bansur	D/C	RVPNL	2	NOV-15
37	Sanganer-Chaksu (Upgradation)	D/C	RVPNL	66	NOV-15
38	Badaun - Sambhal	S/C	UPPTCL	86	NOV-15
39	A5(Faridabad) - A4(Faridabad) (Ckt-II)	D/C	HVPNL	8	DEC-15
40	LILO of one ckt Badshahpur - Mau - Bhiwadi at HSIIDC Bawal	D/C	HVPNL	39	DEC-15
41	Goindwal Sahib - Chola Sahib	D/C	PSTCL	55	DEC-15
42	LILO of Nagaur -Merta at Kuchera	D/C	RVPNL	17	DEC-15
43	LILO of 220 kV of Shamshabad - Firozabad at Agra (400 kV)	D/C	UPPTCL	6	DEC-15
44	LILO of Sarnath (400) - Azamgarh at Harhua	S/C	UPPTCL	42	DEC-15
45	LILO of Sultanpur - Phoolpur at Pratapgarh	D/C	UPPTCL	46	JAN-16
46	Peeragarhi-Wazirpur U/G 1000 mm, 200 MW	D/C	DTL	17	FEB-16
47	Balchak - Naraingarh	D/C	PSTCL	33	MAR-16
48	LILO of Heerapura - Babai at Niwana	D/C	RVPNL	1	MAR-16
49	Renwal -Danta Ramgarh	S/C	RVPNL	33	MAR-16
50	Gajokhar-Jaunpur	S/C on D/C	UPPTCL	37	MAR-16
51	LILO of Harduagani - Hathras at Aligarh	D/C	UPPTCL	43	MAR-16
52	Shahjahanpur - Nighasan	S/C	UPPTCL	155	MAR-16
Total of 220 kV				1860	
Total NR				2052	
Western Region					
400 kV					
1	LILO of One ckt of Korba (W) - Khedamara at Marwa	D/C	CSPTCL	116	MAY-15
2	Aurangabad (Ektuni - III) - Aurangabad -II (Thaptitanda) Ckt-II	S/C	MSETCL	5	MAY-15
3	LILO point of IEPL to LILO point of Warora-Wardha line	D/C	MSETCL	97	MAY-15
4	LILO of Koradi II- Wardh(PG) at Bela TPP	D/C	MSETCL	49	DEC-15
5	Koradi TPS - Wardha	D/C	MSETCL	144	JAN-16

6	Mundra (Adani) - Zerda line 2	D/C	GETCO	671	FEB-16
7	LILO of Chandrapur - Parli ckt-II at Kumbhargaoon (Nanded) S/S	D/C	MSETCL	88	FEB-16
Total of 400 kV				1170	
220 kV					
1	LILO of Korba - Vishrampur at Churri	D/C	CSPTCL	30	APR-15
2	LILO of Asoj - Karamsad at Mogar S/S	D/C	GETCO	15	APR-15
3	LILO of Shivilakha - Deodhar line at PS-2	D/C	GETCO	56	APR-15
4	LILO of Bina - Gwalior at Datia	D/C	MPPTCL	2	APR-15
5	Ahmednagar - Jeur (Kaudgaon)	S/C	MSETCL	53	APR-15
6	Babhaleshwar - Jeur (Kaudgaon)	S/C	MSETCL	87	APR-15
7	LILO of Waluj Bahaleshwar - Deogaon Rangari S/S	D/C	MSETCL	26	APR-15
8	Tapping on Lonand Kandalgaoon for Lonand MIDC	S/C	MSETCL	1	APR-15
9	Charanka - Jangral	D/C	GETCO	193	JUN-15
10	SSNNL PS-I - PS-2 (ACSR Zebra conductor)	D/C	GETCO	22	JUN-15
11	Damoh - Tikamgarh (2nd Ckt)	D/C	MPPTCL	158	JUN-15
12	LILO of Rewa - Ton at Sirmour	D/C	MPPTCL	10	JUN-15
13	Chinchwad - Apta	M/C	MSETCL	30	JUN-15
14	LILO (Tapping) of Dhule - Malegaon at Sayne	S/C	MSETCL	5	JUN-15
15	Shedyal - Jath line	D/C	MSETCL	37	JUN-15
16	Shivajinagar - Malegaon	S/C	MSETCL	114	JUN-15
17	Shivajinagar - Satana	S/C	MSETCL	96	JUN-15
18	LILO of Kandalgaoon - Lonand at Lonand MIDC	D/C	MSETCL	8	JUL-15
19	LILO of Raigarh - Budipadar line at Raigarh (PG)	D/C	CSPTCL	18	AUG-15
20	LILO of Kangasiyali - Nyara at Hadala	D/C	GETCO	33	AUG-15
21	LILO of one ckt Halvad - Morbi line to Bhimsar (PG) at Charadava S/S	D/C	GETCO	2	AUG-15
22	Sikka - Moti Paneli line	D/C	GETCO	157	AUG-15
23	LILO of Chinchwad - Phursungi at Kondhwa	D/C	MSETCL	1	AUG-15
24	LILO of Mhaisal - Jath at Mendhegiri S/S (Ckt-I)	D/C	MSETCL	20	AUG-15
25	Nanded - Waghala	D/C	MSETCL	30	AUG-15
26	Sawangi - Bhokardhan	D/C	MSETCL	134	SEP-15
27	Amreli - Sukhpar line	D/C	GETCO	80	OCT-15
28	Chharodi - Ford line	D/C	GETCO	38	OCT-15
29	LILO on one ckt of Jamanwada - Varsana line at UKheda S/s	D/C	GETCO	10	OCT-15
30	Varsana - Jamanwada line	D/C	GETCO	348	OCT-15
31	Ghatodi - Hingoli line	S/C	MSETCL	86	OCT-15
32	Khanapur length tap to Vita - Lamboti line	D/C	MSETCL	47	OCT-15
33	Chhuri - Mopka (Bilaspur)	D/C	CSPTCL	189	NOV-15
34	Bhadreshwar - Varsana line	D/C	GETCO	104	NOV-15
35	Varsana - Mokha	D/C	GETCO	109	NOV-15
36	LILO of Sawangi - Bhokardan at Phulambri	D/C	MSETCL	11	NOV-15
37	New Bhusawal - Chalisgaon	D/C	MSETCL	258	NOV-15
38	Hinjewadi -II (400 kV) - Hinjewadi-II (220 kV) S/S	D/C	MSETCL	8	DEC-15
39	LILO of Amravati - Badnera line at Nandgaon Peth.	D/C	MSETCL	62	DEC-15
40	Kasor - Herang line	D/C	GETCO	39	JAN-16
41	LILO of 220 kV Lonikand - Kathapur line at Lonikand-II	D/C	MSETCL	2	JAN-16
42	LILO of One ckt of Bina - Guna at Ashoknagar	S/C	MPPTCL	8	MAR-16
43	Bhigwan - Walchandnagar	D/C	MSETCL	54	MAR-16
44	Bridgestone-II - Chakan-II	D/C	MSETCL	10	MAR-16
45	Diversion of Bhusawal - Chalisgaon along with existing Bhusawal - Chalisgaon line	D/C	MSETCL	1	MAR-16
46	Koradi TPS-New Khaparhkeda	D/C	MSETCL	28	MAR-16
47	Kumbhargaoon - Waghala	D/C	MSETCL	31	MAR-16

48	LILO of Beed - Patoda at Manjarsumbha	D/C	MSETCL	9	MAR-16
49	LILO of Chitegaon - Shendra at Chitepimpalgaon (PG)	D/C	MSETCL	2	MAR-16
50	LILO of Kanhan - Bhandara at M/s Ultratech cement	D/C	MSETCL	1	MAR-16
51	LILO of One Ckt of Kolhapur - Sawantwadi at Mudhaltitta (Bidri)	D/C	MSETCL	13	MAR-16
52	LILO of Vita - Pandharpur at Bhalwani	D/C	MSETCL	26	MAR-16
53	Lamboti - Tuljapur	D/C	MSETCL	77	MAR-16
54	Lonikand-I - Lonikand -II	D/C	MSETCL	3	MAR-16
55	Nanded - Bhokar	D/C	MSETCL	74	MAR-16
Total of 220 kV				3066	
Total WR				4236	
Southern Region					
400 kV					
1	MTPS Stage-III - Thiruvalem (Ckt-II) (Balance)	D/C	TANTRANSCO	338	MAY-15
2	LILO of RTPS - Btps at YTPS	D/C	KPTCL	33	JUN-15
3	Karaikudi-Pugalur	D/C	TANTRANSCO	320	JUN-15
4	Krishnapatnam TPS- Chittoor(Balance)	D/C	APTRANSCO	180	JUL-15
5	Vizag TPP - Kalpaka	D/C	APTRANSCO	14	JUL-15
6	Thiruvalem - Almathy	D/C	TANTRANSCO	143	AUG-15
7	Purushottapatnam (Nunna) - Jujjuru	D/C	APTRANSCO	112	OCT-15
8	Yemmiganur - Uravakonda	D/C	APTRANSCO	205	OCT-15
9	LILO of Kalpaka - Khammam at Asupaka	D/C	TSTRANSCO	34	OCT-15
10	LILO of Srisailam - Hyderabad (Ckt-I) at Yeddumailaram (Shankarapally)	D/C	TSTRANSCO	158	NOV-15
11	Singareni TPS (Jaipur TPP) - Gajwel	D/C	TSTRANSCO	325	NOV-15
12	Jammalamadugu - Narnur (Kurnool)	D/C	APTRANSCO	202	DEC-15
13	LILO of VTS - Malkaram (Ckt-I) at Suryapet	D/C	TSTRANSCO	7	MAR-16
Total of 400 kV				2071	
220 kV					
1	Kadapperi - Guindy (UG Cable)	S/C	TANTRANSCO	14	APR-15
2	LILO of 1st ckt of Shapur Nagar - Gachibowly line at Miyapur	D/C	TSTRANSCO	2	APR-15
3	Mamidipally - Fab city	D/C	TSTRANSCO	6	APR-15
4	LILO of Shapur Nagar - Gachilbowly feeder at GIS Erragadda SS	DC UG cable	TSTRANSCO	19	MAY-15
5	Arasur 400 kV S/S - Karamadai 230 kV S/S	S/C	TANTRANSCO	39	JUN-15
6	LILO of Alamathy - Koyembedut Thiruverkkadu	D/C	TANTRANSCO	2	JUL-15
7	LILO of Kalivanthapattu - Veerapuram at OMEGA	D/C	TANTRANSCO	39	JUL-15
8	LILO of Neyveli Zero unit - Neyveli - TS-II at Ulundurpet	S/C	TANTRANSCO	52	JUL-15
9	LILO of Shoolagiri - Singarapet at Gurabarapally	D/C	TANTRANSCO	2	JUL-15
10	LILO of Ulundurpet - STCMS at Ulundurpet	D/C	TANTRANSCO	68	JUL-15
11	LILO of both ckt Dindi - Chandrayangutta at Bonguloor	D/C	TSTRANSCO	2	JUL-15
12	LILO of Korattur - Koyambedu at Alamathy	D/C	TANTRANSCO	6	AUG-15
13	LILO of Manali - Basin Bridge (BBGTP) at Vyasarpadi	D/C	TANTRANSCO	1	AUG-15
14	Thimmapuram- Yellanur	D/C	APTRANSCO	8	SEP-15
15	LILO of Korattur - Koyambedu at Alamathy (Balance Portion)	D/C	TANTRANSCO	23	SEP-15
16	LILO of Alamathy - CMRL Koyembedu at Thiruverkkadu	D/C	TANTRANSCO	9	OCT-15
17	Appannadorapalem - Bobbili (Ckt-I)	D/C	APTRANSCO	84	NOV-15
18	LILO of existing Kalikiri - C.K.Palli at Thimmapuram S/S	D/C	APTRANSCO	2	DEC-15
19	Bagalkot - Gadag	D/C	KPTCL	193	DEC-15

20	LILO of Arasikere -Kanthenahalli at Arasikere S/S	D/C	KPTCL	8	DEC-15
21	LILO of Hubli - Lingapur 2nd Ckt at Gadag	D/C on M/C	KPTCL	15	DEC-15
22	LILO of Peenya - Hoody at Chikkabettahalli	M/C	KPTCL	11	DEC-15
23	MTPS Stage-III - Thingalur	S/C	TANTRANSCO	92	DEC-15
24	Chikkodi-Kudachi	D/C	KPTCL	70	JAN-16
25	Kapnoor - Humnabad line	D/C	KPTCL	106	JAN-16
26	LILO of RSS - Warangal at Manthani	D/C	TSTRANSCO	60	JAN-16
27	Pulivendula-Hindupur	D/C	APTRANSCO	250	FEB-16
28	Varahi -Khemar- Kavoor in the existing 110 kV corridor(balance portion)	D/C on M/C	KPTCL	245	MAR-16
29	Avadi-Ayappakkam line	S/C	TANTRANSCO	3	MAR-16
30	LILO of Arasur (PG) - Karamadai at Karuvalur	D/C	TANTRANSCO	1	MAR-16
31	LILO of K.R. Thoppur - Ingur at Thingalur	D/C	TANTRANSCO	44	MAR-16
Total of 220 kV				1476	
Total SR				3547	
Eastern Region					
400 kV					
STATE SECTOR					
1	Meramundali-Duburi (1st Ckt)	D/C	OPTCL	192	AUG-15
2	Ib-Meramundali (Loc No. 122/0 to Meramundali)	D/C	OPTCL	418	DEC-15
Total of 400 kV				610	
220 kV					
1	Dumka - Rupnarayanpur	D/C	JSEB	147	JUN-15
2	Atri - Pandiabil	D/C	OPTCL	45	JUN-15
3	Puri (Samangra) - Pandiabil	D/C	OPTCL	92	JUL-15
4	LILO of Pusouli (PG) - Ara (PG) at Pusouli (New)	D/C	BSEB	5	AUG-15
5	Kharapur - Vidyasagar Park	D/C	WBSETCL	92	OCT-15
6	Gokarna - Krishnanagar	D/C	WBSETCL	210	NOV-15
7	LILO of Narendrapur - Mendhasal at Attri (Old Karadagadia)	D/C	OPTCL	5	FEB-16
8	Teesta LDP - IV - New Jalpaiguri (NJP)	D/C	WBSETCL	145	FEB-16
9	Kanti - Gopalganj (2nd Ckt.)	S/C	BSEB	101	MAR-16
10	Chaibasa - Chaibasa line	D/C	JSEB	1	MAR-16
11	LILO of one ckt of Jeerat - Rishra at Dharampur	S/C	WBSETCL	4	MAR-16
12	Subhasgram- Saintala	D/C	WBSETCL	25	MAR-16
Total of 220 kV				872	
Total ER				1482	
North Eastern Region					
400 kV					
STATE SECTOR					
1	LILO of one ckt Palatana - Bongaigaon at Byrnihat line	D/C	MeECL	4	MAY-15
Total of 400 kV				4	
220 kV					
1	LILO of One Ckt Langpi - Sarusajai at Sonapur	D/C	AEGCL	2	AUG-15
2	LILO of both ckt of Balipara (PG) Samaguri at Sonabil	2xD/C	AEGCL	6	JAN-16
3	Namrup - Mariani	S/C	AEGCL	145	JAN-16
Total of 220 kV				153	
Total NER				157	
Total State Sector				11474	
PRIVATE SECTOR					
765 kV					
1	Jabalpur - Bhopal (BDTCL)	S/C	SGL	274	JUN-15
2	Jabalpur - Bina (JTCL)	S/C	SGL	245	JUN-15

3	Dhramjaygarh - Jabalpur (JTCL)	D/C	SGL	758	SEP-15
Total of 765 kV PS				1277	
400 kV					
1	LILO of both ckt, of Raigarh - Raipur at Akaltara TPP	2xD/C	KSK LTD.	71	APR-15
2	Jhabua Power TPS - Jabalpur Pooling Station.	D/C	JHAPL	131	MAY-15
3	Binjkote - Raigarh (Kotra) Pooling Station	D/C	SKS	55	MAY-15
4	KSK Mahanadi (Warda Power) - Champa Pooling Station	2xD/C	KSK LTD.	105	JUN-15
5	Raikheda (GMR) - Raipur Pooling Station	D/C	GMR ENERG	131	JUL-15
6	Rosa - Shahjehanpur (PG)	D/C	RPTL	16	JUL-15
7	Nasik - Bobleshwar (2nd Ckt)	D/C	IBPL	57	AUG-15
8	Kudgi STPS - Narendra	2xD/C	KTCL	36	AUG-15
9	LILO of one ckt Karcham wangto - Abdullapur at Sorang HEP	D/C	HSPPL	7	OCT-15
10	Rajgarh (PG) - Karamsad (GETCO)	D/C	RPTL	486	DEC-15
11	TRN (TPP) - Raigarh PS (Tamnar)	D/C	TRNE	30	JAN-16
Total of 400 kV PS				1125	
Total PS				2402	

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.805
ANSWERED ON 28.04.2016**

POLLUTION BY POWER PLANTS

805. SHRI M.B. RAJESH:

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

- (a) whether there is any proposal to implement the amended pollution control rules in all the central sector power plants and if so, the details thereof;**
- (b) the estimated cost of implementation of these pollution control rules for Central and State sector power plants;**
- (c) the details of funds allocated/to be allocated to the power plants of Central and State sector towards implementation of the amended pollution control rules; and**
- (d) the steps taken/proposed to be taken to monitor the implementation of the pollution rules?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : Ministry of Environment, Forest & Climate Change (MoEF &CC) have notified Environment (Protection) Amendment Rules, 2015 on 7th December 2015 related to water consumption and emission of Particulate Matter, SO_x, NO_x & Mercury from thermal power plants. All the thermal power plants are required to install requisite pollution control equipment to meet these norms.

(b) : As per assessment made by the Central Electricity Authority, the estimated cost of implementation of these pollution control rules for coal based thermal power plants shall be around Rs. 1 Cr-1.5 Cr/MW. As on 31/3/2016, the installed coal based capacity is around 185 GW and capacity of 72 GW is under construction. It is difficult to put cost implications as it may depend upon the plant vintage, technology used and design and would vary from plant to plant. However, a substantial amount is expected to be required for investment both in construction and under construction plants.

(c) : Funds for implementation of amended pollution control rules will be arranged by the respective utilities.

(d) : The concerned State Pollution Control Boards have been mandated to monitor the program of implementation of amended rules through management system.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.824
ANSWERED ON 28.04.2016**

UDAY BOND

824. SHRI OM BIRLA:

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

- (a) the details of UDAY Bonds distributed by the State Government since inception, State-wise;**
- (b) the details of the institutions that have purchased these bonds since UDAY scheme was launched, State-wise; and**
- (c) the State-wise, details of the funds allocated including Rajasthan under the Integrated Power Development Scheme?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b): The details of UDAY Bonds floated by the State Governments participating under the scheme and the details of the institutions that have subscribed these bonds, State-wise are given at Annexure-I.

(c): The State-wise, details of the funds allocated including Rajasthan under the Integrated Power Development Scheme are given at Annexure-II.

ANNEXURE-I

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 824 ANSWERED IN THE LOK SABHA ON 28.04.2016.

(Rs. in crores)

S.No.	State	UDAY Bonds issued by State for FY 2015-16	Banks	EPFO	LIC	Others	Taken over by State
1	RAJASTHAN	37350	37349				
2	UTTAR PRADESH	24332	14269	10063			
3	CHHATISGARH	870				870	
4	JHARKHAND	6136		1785	2400	1368	583
5	PUNJAB	9860	6713		500	2647	
6	BIHAR	1553			900	654	
7	JAMMU & KASHMIR	2140	220		500	1420	
8	HARYANA	17300	17300				
TOTAL		99541	75851	11848	4300	6959	583

**ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 824
ANSWERED IN THE LOK SABHA ON 28.04.2016.**

**State-wise details of the funds sanctioned
under the Integrated Power Development Scheme**

(Rs.in crores)

State	SANCTIONED AMOUNT
Haryana	390.59
HP	111.15
J&K	446.72
Punjab	325.61
Chandigarh	NIL
Rajasthan	1309.73
UP	4721.50
Uttrakhand	191.63
Delhi	318.24
MP	1508.77
Gujarat	1127.44
Chattisgarh	491.51
Maharashtra	2416.93
Goa	32.23
Daman & Diu	NIL
AP	653.95
Telangana	653.56
Karnataka	1144.45
Kerala	NIL
Tamil Nadu	1569.10
Puducherry	21.74
Bihar	2111.00
Jharkhand	735.39
West Bengal	2939.64
Odisha	521.09
Assam	584.91
Arunachal Pradesh	150.85
Nagaland	NIL
Manipur	174.22
Meghalaya	62.34
Mizoram	49.41
Sikkim	NIL
Tripura	74.24
Grand Total	24,838.00

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.852
ANSWERED ON 28.04.2016**

LOSSES OF SEBs

†852. SHRI SADASHIV LOKHANDE:

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

- (a) the details of annual losses incurred by Electricity Boards in the country including Maharashtra and other States as on date;**
- (b) the details of present consumption of electricity in Maharashtra and the electricity generated by them with their own resources; and**
- (c) the contribution made by the Central Generating Units towards the power demand of the State?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : The aggregate losses incurred by State utilities on subsidy received basis including those in Maharashtra for the year 2013-14 as per the audited accounts were Rs.64,060 crore. Details are given at Annex-I.

(b) : The details of the electricity consumption in Maharashtra during 2014-15 are given at Annex-II. The electricity generation in State Sector was 47,183.57 MU in 2015-16.

(c) : The contribution of Central Generating Units towards Maharashtra is 13,497.56 MU

**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 852
ANSWERED IN THE LOK SABHA ON 28.04.2016.**

Profit/(Loss) for Utilities Selling directly to Consumers

Region	State	Utility	Profit/ (Loss) on Subsidy Recd. Basis	
Eastern	Bihar	NBPDCL	-74	
		SBPDCL	-269	
	Bihar Total		-343	
	Jharkhand	JSEB	-1,511	
		Jharkhand Total		-1,511
	Odisha	CESU	-199	
		NESCO	-45	
		SESCO	-11	
		WESCO	-87	
	Odisha Total		-342	
	Sikkim	Sikkim PD	33	
		Sikkim Total		33
	West Bengal	WBSEDCL	19	
		West Bengal Total		19
	Eastern Total			-2,143
	North Eastern	Arunachal Pradesh	Arunachal PD	-428
		Arunachal Pradesh Total		-428
		Assam	APDCL	-693
			Assam Total	
Manipur		Manipur PD	-194	
		Manipur Total		-194
Meghalaya		MePDCL	-26	
		Meghalaya Total		-26
Mizoram		Mizoram PD	-192	
		Mizoram Total		-192
Nagaland		Nagaland PD	-191	
		Nagaland Total		-191
Tripura		TSECL	-70	
		Tripura Total		-70
North Eastern Total			-1,795	
Northern	Delhi	BSES Rajdhani	8	
		BSES Yamuna	11	
		TPDDL	334	
	Delhi Total		353	
	Haryana	DHBVNL	-1,648	
		UHBVNL	-1,465	
	Haryana Total		-3,113	
	Himachal Pradesh	HPSEB Ltd.	-75	
		Himachal Pradesh Total		-75
	Jammu & Kashmir	J&K PDD	-2,387	
		Jammu & Kashmir Total		-2,387
	Punjab	PSPCL	256	
		Punjab Total		256
	Rajasthan	AVVNL	-4,843	
		JDVVNL	-5,299	
JVVNL		-5,503		
Rajasthan Total		-15,645		

	Uttar Pradesh	DVVN	-5,521
		KESCO	-674
		MVVN	-3,263
		Pash VVN	-3,172
		Poorv VVN	-4,095
	Uttar Pradesh Total		-16,724
	Uttarakhand	Ut PCL	323
	Uttarakhand Total		323
Northern Total			-37,012
Southern	Andhra Pradesh	APCPDCL	-811
		APEPDCL	-136
		APNPDCL	-31
		APSPDCL	-401
	Andhra Pradesh Total		-1,379
	Karnataka	BESCOM	76
		CHESCOM	-72
		GESCOM	38
		HESCOM	-576
		MESCOM	0
	Karnataka Total		-534
	Kerala	KSEB	140
		KSEBL	-29
	Kerala Total		111
	Puducherry	Puducherry PD	-60
	Puducherry Total		-60
	Tamil Nadu	TANGEDCO	-14,052
	Tamil Nadu Total		-14,052
Southern Total			-15,914
Western	Chhattisgarh	CSPDCL	-630
	Chhattisgarh Total		-630
	Goa	Goa PD	-4
	Goa Total		-4
	Gujarat	DGVCL	52
		MGVCL	19
		PGVCL	10
		UGVCL	14
	Gujarat Total		95
	Madhya Pradesh	MP Madhya Kshetra VVCL	-2,672
		MP Paschim Kshetra VVCL	-1,811
		MP Purv Kshetra VVCL	-1,893
	Madhya Pradesh Total		-6,376
	Maharashtra	MSEDCL	-280
	Maharashtra Total		-280
Western Total			-7,196
Grand Total			-64,060

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 852 ANSWERED IN THE LOK SABHA ON 28.04.2016.

Data for electricity consumption in Maharashtra for 2014-15

Sl. No.	Consumer Category	Consumption (GWh)
1.	Domestic	25207.30
2.	Commercial	12948.41
3.	Industrial LV	8988.97
4.	Industrial HV	26834.84
5.	Public Lighting	1582.76
6.	Traction	2442.19
7.	Agriculture	26632.69
8.	Public Water Works	2349.76
9.	Miscellaneous	1509.16
	Total	108496.08

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.869
ANSWERED ON 28.04.2016**

UNDERGROUND CABLES-IPDS

**†869. DR. BHARATIBEN D. SHYAL:
DR. RAVINDRA KUMAR RAY:**

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

- (a) whether the Government has undertaken the laying of underground cables under the Integrated Power Development Scheme (IPDS) in the country including Gujarat;**
- (b) if so, the locations where underground cables have been laid since the inception of the scheme till date;**
- (c) the locations in Jharkhand where power cables are planned to be laid under the said scheme; and**
- (d) if so, the details thereof ?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : Under the Integrated Power Development Scheme (IPDS), funds are provided for distribution system strengthening and upgradation including underground cabling. Under the scheme, underground cabling has been sanctioned in 22 States/UTs including Gujarat. The laying of underground cable works under IPDS has started in Varanasi, Baroda City, Anand, Godhra and Nadiad.

(c) & (d) : The work of laying underground cables in Jharkhand has been sanctioned in 11 circles namely Ranchi, Sahebganj, Daltonganj, Deoghar, Dumka, Giridih, Dhanbad, Chas, Chaibasa, Jamshedpur and Gumla.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.870
ANSWERED ON 28.04.2016**

USE OF LED BULBS

**870. SHRI BHAGWANTH KHUBA:
DR. RAVINDRA KUMAR RAY:
SHRI PRAHLAD SINGH PATEL:
SHRIMATI RANJANBEN BHATT:
SHRI SHER SINGH GHUBAYA:**

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

(a) whether the Government have issued any guidelines for the use of LEDs which are more energy efficient than the commercial bulbs and if so, the salient features thereof;

(b) whether the Government has issued any direction to the State Governments to promote the use of LEDs and make it available at subsidized rates to the consumers and if so, the details thereof;

(c) whether Government have taken any steps to encourage domestic consumers to replace the existing bulbs with energy efficient LED bulbs in the country and if so, the estimated number of households switched to LEDs, State/UT-wise; and

(d) whether Government is providing any support to the companies engaged in manufacture of LED bulbs under Make in India initiatives in the country, if so, the details thereof and the number of companies set up production plants in the country, State/UT-wise?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : For promotion of LED lamps, Bureau of Energy Efficiency (BEE), Ministry of Power has initiated star labeling of Omni Directional LED lamps. Under this programme, energy efficiency labels will be issued to 9W and 7W LED lamps. The salient features of LED Star rating Programme are as follows:

- The LED lamps shall conform to safety, harmonics and power factor requirements as per the relevant Indian Standards to qualify as a BEE star labeled product.**

- The minimum luminous efficacy of the LED lamp should be 79 lumen/Watt i.e. Star 2 as per the current star-rating plan to qualify for Star Rating Programme.
- In order to educate and motivate the general consumer, the manufacturers shall provide the information in a tabular form about the LED lamp wattage equivalent to incandescent lamp wattage on the packing.

(b) & (c) : The Hon'ble Prime Minister inaugurated the National LED Domestic and Street Lighting Programme on 5th January 2015. Both of these programme are voluntary in nature and are based on a sustainable business model where the cost of efficient lighting is repaid by consumer/urban local bodies from savings in energy and maintenance expenditure. The entire upfront investment is done by Energy Efficiency Services Ltd (EESL), a joint venture company under Ministry of Power, without any Government budget allocation. In order to encourage States/UTs join the voluntary programme, Secretary, Ministry of Power, Government of India has written to all the Chief Secretaries of the States/UTs on 14 January 2015 subsequent to the launch of the National Programme, requesting them to identify cities and participate in this voluntary initiative. So far, over 10 crore LED bulbs have been distributed by EESL.

There is no element of subsidy in the scheme and the aggregation of demand has enabled reduction of prices of LED bulbs from Rs. 310/- (February, 2014) to Rs. 54.90 (March, 2016), a reduction of over 83%, which is passed on to the consumer.

The estimated number of households that have switched over to LEDs are:

S. No	State Name	No. of Households As on 20 April 2016 (In Lakh)
1	Delhi	20.76
3	Haryana	0.44
4	HP	19.61
5	Uttarakhand	9.33
6	Rajasthan	35.10
7	UP	33.60
8	Bihar	5.39
10	Jharkhand	19.36
11	Chhattisgarh	3.77
13	Maharashtra	50.78
14	AP	63.10
18	Karnataka	27.64
20	Kerala	22.17
21	Puducherry	2.03
22	Institutional Supply (Railways/PSUs)	8.58
	TOTAL	321.66

(d) : Central Power Research Institute (CPRI), a Government of India Society under Ministry of Power, has taken R&D initiatives under Research Schemes for indigenous development of components of LEDs such as drivers etc.

CPRI also provides testing and certification services to manufacturers for LED lighting systems. The testing services include certification as well as testing for product development/improvement.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.874
ANSWERED ON 28.04.2016**

SHORTAGE OF FUEL

**874. SHRI BHARTRUHARI MAHTAB:
SHRI SANJAY DHOTRE:**

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

- (a) whether the shortage/non-availability of fuel for power generation plants/stations and its adverse impact on power generation of various States is still persist in the country despite several measures taken by the Government in this regard;
- (b) if so, the details thereof along with the fuel supplied to power plants/stations across the country during the last three years and the current year, plant-wise;
- (c) whether there are a number of power plants/stations which are on the verge of closure due to high cost of fuel in the country, if so, the details thereof, Statewise;
- (d) whether the Government proposes to provide cheap fuel or financial assistance to such plants/stations for their survival in the country, if so, the details thereof; and
- (e) the other steps taken/being taken by the Government to ensure timely uninterrupted fuel supply at affordable rates to the power generation plants/ stations across the country?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (e) : No, Madam.

At present, there is no shortage of coal in the country. None of the Coal based power generation plants across the country have reported any loss of generation due to shortage of coal during 2015-16.

At present, as on 21st April, 2016, coal stock at power plants has been reported to be more than 37 Million Tonne (MT) by power utilities which is sufficient for operation of power plants for about 25 days. Further, none of the power plants have reported critical / super critical coal stock position.

At present, there is some deficit in availability of domestic gas. Due to Government initiative, the scheme of utilisation of RLNG (Regassified Liquefied Natural Gas) helped in improving the generation from gas based power stations. During 2015-16, the growth of generation from gas based power station was 14.6% over the same period last year. Enhanced availability of domestic coal has offset shortage of gas and has resulted in growth in overall thermal generation from coal & gas based power plants to 7.4 % during the year 2015-16 as well as reduction of 10.6 MT import of coal by power sector.

The steps being taken by the Government to ensure uninterrupted supply of fuel to the thermal power plants, inter-alia, are:

- 1) Multi-dimensional efforts are underway by Coal India Ltd. (CIL) to enhance production of domestic coal. A road map has been prepared by CIL to substantially enhance coal production level to one Billion Tonne by the year 2019-20 to meet the coal requirement.**
- 2) Coal blocks have been allotted to central/ state power utilities to improve domestic coal availability.**
- 3) The availability of coal is being regularly monitored closely at the highest level in the Government so that generation of power plants is not affected due to shortage of coal.**
- 4) Government of India has sanctioned a scheme for utilization of gas based power generation capacity for the years 2015-16 and 2016-17. The scheme envisages supply of imported spot RLNG (Regassified Liquefied Natural Gas) to the stranded gas based plants as well as plants receiving domestic gas at subsidized rates, selected through a reverse e-bidding process.**

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.884
ANSWERED ON 28.04.2016**

NATIONAL ELECTRICITY FUND

†884. SHRI BHARAT SINGH:

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

- (a) the details of the funds sanctioned from National Electricity Fund (NEF) to the various State power utilities for improving the power distribution network during the last three years; and**
- (b) the details of the achievements made by the companies in the power distribution since the implementation of NEF?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : The Utilities participating under NEF have to achieve certain parameters like reduction in AT&C losses, reduction in ACS-ARR Gap, return on equity allowed by the Regulator in tariff and Multi Year Tariff (MYT) notification etc. to become eligible for availing the interest-subsidy under the scheme. Based on the evaluation, the Utilities are awarded points/marks on achieving the above performance parameters. The Utilities/Power Distribution Companies, that have achieved the parameters envisaged in the NEF guidelines were sanctioned interest - subsidy amount as per details Annexed.

ANNEX

ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 884 ANSWERED IN THE LOK SABHA ON 28.04.2016.

Details of Funds sanctioned & parameters achieved by Discom

Sl. No.	Name of Discoms	Interest Subsidy Sanctioned under NEF (Rs. in Lakh) till 31.03.16	Year in which Subsidy Sanctioned	Reduction in AT&C Loss	Reduction in ACS-ARR Gap	Return on Equity allowed	Multi Year Tariff Notification issued or not
1	UPCL (Uttarakhand)	Rs. 3.82	FY 2014-15	13%	51%	NA	NA
2	MPMKVVCL (Madhya Pradesh)	Rs. 3.33	FY 2014-15	29%	16%	yes	yes
3	UHBVNL (Haryana)	Rs. 0.32	FY 2014-15	--	46%	No	yes
4	MPPoKVVCL (Madhya Pradesh)	Rs.74.81	FY 2014-15	27%	--	yes	yes
5	JdVVNL (Rajasthan)	Rs.227.18	FY 2014-15	9%	--	No	yes
6	UPCL (Uttarakhand)	Rs. 263.27	FY 2014-15	17%	Improving ACS-ARR GAP into positive	NA	NA
7	UHBVNL (Haryana)	Rs. 178.59	FY 2014-15	15%	40%	No	yes
8	APSPDCL (Andhra Pradesh)	Rs.843.49	FY 2015-16	--	92%	yes	yes
9	TSSPDCL (Telangana)	Rs.97.88	FY 2015-16		57%	yes	yes
	TOTAL	1692.69					

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.886
ANSWERED ON 28.04.2016**

FINANCIAL CONDITION OF DISTRIBUTION COMPANIES

886. SHRI RAMSINH RATHWA:

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

- (a) whether the Government has taken any initiatives to make State distribution companies financially viable and much better without stressing the consumers and business houses;
- (b) if so, the details in this regard;
- (c) whether Tamil Nadu Generation and Distribution Corporation Ltd. (TNGDC) has a burden of more than Rs. 80,000 crores and has deficiencies in financial management implementation of power projects and its operation and is not releasing payments to vendors for procurement of energy meter, if so, the details therefor; and
- (d) the steps taken/proposed to be taken by the Government in this regard to ensure that all commitments of payment are fulfilled?

A N S W E R

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

(SHRI PIYUSH GOYAL)

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

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

(c) : The total outstanding debt, as informed by Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO), is Rs 81,782 Crores. Interest payments accounting for more than 60% of the losses in the year 2014-15 indicates the financial stress in TANGEDCO. Complaints have been received regarding non payment of Energy meters supplied by Capitol Power Systems Limited, NOIDA to TANGEDCO. The same has been forwarded to TANGEDCO for necessary action.

(d) : UDAY has been launched by the Government of India to reduce the financial liabilities of DISCOMS. The State Government of Tamil Nadu has not joined UDAY despite a high amount of debt liabilities.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.887
ANSWERED ON 28.04.2016**

FOREGO SOPS GAS BASED POWER PROJECTS

887. SHRIMATI KOTHAPALLI GEETHA:

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

- (a) whether the gas-based power projects have to forego sops in the country; and**
- (b) if so, the details thereof and reasons therefor?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) & (b) : Government of India has sanctioned a scheme for importing spot RLNG in 2015-16 and 2016-17 for the stranded gas based power plants as well as for plants receiving domestic gas upto the target PLF selected through a reverse e-biding process. The scheme provides for financial support from PSDF (Power System Development Fund). The Scheme envisages sacrifices to be made collectively by all stakeholders, including the Central and State Governments by way of exemptions from applicable taxes and levies / duties on the incremental RLNG being imported for the purposes. The waivers provided under the scheme are as under:

- (i) Customs duty waiver on imported LNG;**
- (ii) Waiver of Value Added Tax, Central Sales Tax, Octroi and Entry Tax;**
- (iii) Reduction in pipeline tariff charges, regasification charges and marketing margin;**
- (iv) Exemption from transmission charges and losses for stranded gas based power projects.**

The Scheme is under implementation w.e.f. 1st June, 2015 and three rounds of auction have been completed.

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.890
ANSWERED ON 28.04.2016**

OFFICIAL VISIT FOR ELECTRIFICATION OF VILLAGES

890. SHRI S. SELVAKUMARA CHINNAYAN:

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

- (a) it is true that some un-electrified villages were included and counted as electrified villages in rural electrification data published by the Union Government recently;**
- (b) if so, the details thereof;**
- (c) whether the Government has directed the officials to visit villages so as to verify the facts;**
- (d) if so, the details thereof; and**
- (e) the actual total number of rural villages which were electrified during the last one year, State-wise?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) to (d) : The data regarding electrification of un-electrified villages are reported by the respective State Governments/DISCOMs. Rural Electrification Corporation (REC) being the Nodal Agency for operationalization of Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), has appointed Gram Vidyut Abhiyantas (GVAs) who visit villages and report the situation. In case of discrepancy after field verification, the States/DISCOMs are advised by REC to rectify the status.

(e) : A total of 7,108 villages have been electrified during the last one year 2015-16. The State-wise details are given at Annex.

ANNEX

**ANNEX REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 890
ANSWERED IN THE LOK SABHA ON 28.04.2016.**

State-wise no. of villages electrified during the last year

Sr. No.	States	2015-16
1	Arunachal Pradesh	174
2	Assam	942
3	Bihar	1754
4	Chhattisgarh	405
5	Himachal Pradesh	1
6	Jammu & Kashmir	27
7	Jharkhand	750
8	Madhya Pradesh	214
9	Manipur	75
10	Meghalaya	1
11	Mizoram	16
12	Odisha	1264
13	Rajasthan	163
14	Tripura	9
15	Uttar Pradesh	1305
16	West Bengal	8
	Total	7108

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.903
ANSWERED ON 28.04.2016**

POWER GENERATION CAPACITY- CONSUMPTION PATTERN

903. SHRI J.J.T. NATTERJEE:

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

- (a) the total installed capacity of electricity generation in the country;**
- (b) whether this is enough for the growing population in the country and if so, the details thereof;**
- (c) whether there is difference between States in consumption pattern of power and if so, the details thereof;**
- (d) the details of installed capacity of Renewable Power Plants and Non-Renewable Power Plants in the country; and**
- (e) whether the Government is shifting from Renewable Power to Non-Renewable Power, if so, the details thereof?**

A N S W E R

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

(SHRI PIYUSH GOYAL)

- (a) : The total installed capacity of electricity generation in the country, including Renewable Energy Sources (RES), as on 31.03.2016 is 3,01,965 MW.**
- (b) : Yes, Madam. During the 12th Five Year Plan, a capacity addition of 88,537 MW was planned from conventional sources which was sufficient to meet the demand of electricity by the terminal year of 12th Five Year Plan as per 18th Electric Power Survey. With Government initiative, about 85,000 MW i.e. 96% of the target has already been commissioned in 4 years of the 12th Five Year Plan period which would meet the growing demand of electricity.**
- (c) : State-wise power consumption for the years 2012-13, 2013-14 & 2014-15 is given at Annex-I.**
- (d) : The details of installed capacity of Renewable power and Non-Renewable power plants in the country is given at Annex-II.**
- (e) : No, Madam. Government has rather an aggressive programme to add Renewable power capacity of 1,75,000 MW by the year 2021-22.**

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 903 ANSWERED IN THE LOK SABHA ON 28.04.2016.

Statement Showing State-wise Total Electricity Consumption (GWh) (Utilities+Non Utilities)

State / UTs	2012-13	2013-14	2014-15*
NORTHERN REGION			
Chandigarh	1,366.70	1,420.92	1,473.34
Delhi	23,144.85	23,981.90	24,776.35
Haryana	27,075.15	29,960.27	33,093.53
Himachal Pradesh	7,471.03	7,780.37	7,989.59
Jammu & Kashmir	5,166.49	4,977.36	5,511.60
Punjab	36,991.86	39,039.25	41,392.15
Rajasthan	49,348.40	50,985.27	57,864.32
Uttar Pradesh	65,984.23	69,540.50	74,898.45
Uttarakhand	9,531.93	10,539.43	10,952.15
Sub-Total (NR)	2,26,084.11	2,39,005.67	2,58,815.38
WESTERN REGION			
Chhattisgarh	26,562.36	27,753.19	34,817.00
Gujarat	85,046.94	88,707.28	96,842.35
Madhya Pradesh	36,854.87	40,882.85	46,149.50
Maharashtra	1,04,913.16	1,06,068.69	1,13,639.49
Daman & Diu	1,815.59	1,819.20	1,595.76
D & N Haveli	4,597.08	5,191.84	5,165.91
Goa	3,081.02	3,156.84	3,222.11
Sub-Total (WR)	2,62,871.02	2,73,579.89	3,01,432.12
SOUTHERN REGION			
Andhra Pradesh	74,845.84	79,333.25	45,378.64
Karnataka	57,904.77	61,095.50	67,585.11
Kerala	17,412.66	18,611.65	19,662.61
Telangana			39,638.88
Tamil Nadu	68,678.70	80,057.96	86,914.87
Puducherry	2,616.62	2,635.03	2,554.25
Lakshadweep	37.90	41.03	44.63
Sub-Total (SR)	2,21,496.49	2,41,774.41	2,63,700.26
EASTERN REGION			
Bihar	7,060.83	8,340.94	10,147.37
Jharkhand	22,737.74	23,845.47	22,150.97
Orissa	36,097.17	38,283.16	39,589.34
West Bengal	38,459.72	38,881.37	41,312.82
Sikkim	385.44	404.71	404.71
A & N Islands	206.35	215.77	229.46
Sub-Total (ER)	1,04,947.25	1,09,971.42	1,13,834.67
NORTH EASTERN REGION			
Arunachal Pradesh	470.93	480.52	542.65
Assam	5,323.85	5,986.24	6,702.80
Manipur	379.01	397.96	465.10
Meghalaya	1,396.35	1,592.88	1,386.15
Mizoram	286.60	302.79	327.22
Nagaland	327.64	394.50	529.34
Tripura	721.39	722.28	786.13
Sub-Total (NER)	8,905.77	9,877.17	10,739.39
Total(All India)	8,24,301.17	8,74,208.57	9,48,521.82
* Provisional			

**ANNEX REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 903
ANSWERED IN THE LOK SABHA ON 28.04.2016.**

**Details of installed capacity of Renewable power and
Non-Renewable power plants in the country**

Sl. No.	Category	Installed Capacity (MW)
	Renewable :	
1.	Wind Power	26,744
2.	Solar Power	6,763
3.	Small Hydro Power	4,274
4.	Biomass and Bagasse	4,831
5.	Waste to Power	115
	Sub Total (Renewable)	42,727
	Non-Renewable :	
1.	Thermal	2,10,675
2.	Nuclear	5,780
3.	Hydro	42,783
	Sub Total (Non-Renewable)	2,59,238
	Grant Total	3,01,965
