GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.4281
TO BE ANSWERED ON 11.08.2016

POWER REFORMS

4281. SHRI P. KARUNAKARAN:
DR. RAVINDRA KUMAR RAY:

Will the Minister of POWER be pleased to state:

(a) whether DISCOMS in various States are continuously incurring losses year by year; if so, the details thereof and the factors responsible thereto;

(b) the names of the States which have been effectively implementing power reforms in the country;

(c) the details of transmission and distribution losses in those States;

(d) whether it is a fact that in spite of reforms T&D losses have not come down; and

(e) if so, the details thereof and the steps being taken/proposed to be taken to reduce T&D losses?

A N S W E R

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

(SHRI PIYUSH GOYAL)

(a) : As per 'Report on Performance of State Power Utilities', made by Power Finance Corporation (PFC) Ltd., the aggregate losses of utilities selling directly to consumers for the years 2012-13 to 2014-15 is furnished below:

	2012-13	2013-14	2014-15
Profit/(Loss) on accrual basis (Rs. in crore)	(70,835)	(67,041)	(56,206)
Profit/(Loss) on subsidy received basis (Rs. in crore)	(71,621)	(67,336)	(58,275)

.....2.

The state-wise and utility-wise details are given at Annex-I.

Losses are mainly due to Technical and Commercial reasons. The technical losses are due to energy dissipated in the conductors and equipment used for transmission, transformation and distribution of power. Commercial losses are on account of energy consumed but revenue not realized which is mainly due to pilferage by hooking of lines, bypassing the meters, defective meters, errors in meter reading and billing, estimating un-metered supply of electricity and non-recovery of the billed amount etc.

(b) : Names of the States which have implemented power reforms in the country after the Electricity Act, 2003 are given in Annex-II.

Further, as on 09.08.2016, the States of Jharkhand, Chhattisgarh, Rajasthan, Uttar Pradesh, Gujarat, Bihar, Punjab, J&K, Haryana, Uttarakhand, Goa, Karnataka, Andhra Pradesh and Manipur have signed Memorandum of Understanding (MOU) under the Ujwal DISCOM Assurance Yojana (UDAY) with an objective of operational and financial turnaround of DISCOMs.

(c) to (e) : The overall Aggregate Technical & Commercial (AT&C) losses for utilities selling directly to consumers for the years 2012-13 to 2014-15 including Transmission & Distribution losses is as given below:

	2012-13	2013-14	2014-15
AT&C Loss (%)	25.48	22.58	24.62

The state-wise and utility-wise details are given at Annex-III.

The responsibility of reduction of AT&C losses in the Distribution network is primarily with the Discoms and power departments/utilities. However, to facilitate the reduction of AT&C losses and to improve power distribution system, the Government has launched various programmes/schemes such as Integrated Power Development Scheme (IPDS), Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), National Electricity Fund (NEF) and Ujwal DISCOM Assurance Yojana (UDAY).

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ANNEX-I

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 4281 TO BE ANSWERED IN THE LOK SABHA ON 11.08.2016.

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Details of State-wise and Utility-wise loss incurred in crores.								
			2012-13		2013-14		2014-15	
Region	State	Utility	Profit/ (Loss) after tax on accrual basis	Profit/ (Loss) on subsidy received basis	Profit/ (Loss) after tax on accrual basis	Profit/ (Loss) on subsidy receive d basis	Profit/ (Loss) after tax on accrual basis	Profit/ (Loss) on subsidy received basis
Eastern	Bihar	BSEB	-1,088	-1,088		0		0
		NBPDCL	-56	-56	-74	-74	-297	-491
		SBPDCL	-84	-84	-269	-269	-748	-748
	Bihar Total		-1,227	-1,227	-343	-343	-1,044	-1,239
	Jharkhand	JSEB	-2,668	-2,668	-3,950	-3,950		0
		JBVNL		0	-71	-71	-37	-37
	Jharkhand Total		-2,668	-2,668	-4,021	-4,021	-37	-37
	Odisha	CESU	-316	-316	-199	-199	-202	-202
		NESCO	-77	-77	-45	-45	-123	-123
		SESCO	-34	-34	-11	-11	-379	-379
		WESCO	-132	-132	-87	-87	-224	-224
	Odisha Total		-559	-559	-342	-342	-929	-929
	Sikkim	Sikkim PD	39	39	33	33	-126	-126
	Sikkim Total		39	39	33	33	-126	-126
	West Bengal	WBSEDCL	82	82	19	19	20	20
	West Bengal Total		82	82	19	19	20	20
Eastern Total			-4,332	-4,332	-4,654	-4,654	-2,116	-2,310
North Eastern	Arunachal Pradesh	Arunachal PD	-255	-255	-428	-428	-257	-257
	Arunachal Pradesh Total		-255	-255	-428	-428	-257	-257
	Assam	APDCL	-418	-568	-528	-693	-578	-578
	Assam Total		-418	-568	-528	-693	-578	-578
	Manipur	Manipur PD	-315	-315	-194	-194		0
		MSPDCL		0		0	0	0
	Manipur Total		-315	-315	-194	-194	0	0
	Meghalaya	MePDCL	-221	-221	-295	-295	-202	-202
	Meghalaya Total		-221	-221	-295	-295	-202	-202
	Mizoram	Mizoram PD	-200	-200	-192	-192	-192	-192
	Mizoram Total		-200	-200	-192	-192	-192	-192
	Nagaland	Nagaland PD	-212	-212	-191	-191	-315	-315
	Nagaland Total		-212	-212	-191	-191	-315	-315
	Tripura	TSECL	-107	-107	-62	-62	-60	-82
	Tripura Total		-107	-107	-62	-62	-60	-82
North Eastern Total			-1,730	-1,880	-1,891	-2,056	-1,603	-1,625
Northern	Delhi	BSES Rajdhani	21	21	8	8	63	63
		BSES Yamuna	25	25	11	11	19	19
		TPDDL	310	310	334	334	336	336
	Delhi Total		356	356	353	353	418	418
	Haryana	DHBVNL	-1,352	-1,352	-2,089	-2,089	-636	-636
		UHBVNL	-2,297	-2,297	-1,465	-1,465	-1,481	-1,481
	Haryana Total		-3,649	-3,649	-3,554	-3,554	-2,117	-2,117
	Himachal Pradesh	HPSEB Ltd.	-340	-340	-137	-137	-125	-125
	Himachal Pradesh Total		-340	-340	-137	-137	-125	-125
	Jammu & Kashmir	J&K PDD	-3,129	-3,129	-2,387	-2,387	-3,913	-3,913
	Jammu & Kashmir Total		-3,129	-3,129	-2,387	-2,387	-3,913	-3,913
	Punjab	PSPCL	261	94	249	249	133	-1,100
	Punjab Total		261	94	249	249	133	-1,100
	Rajasthan	AVVNL	-3,905	-3,905	-4,843	-4,843	-3,593	-3,593
		JDVVNL	-4,285	-4,285	-5,299	-5,299	-4,146	-4,146
		JVVNL	-4,161	-4,161	-5,503	-5,503	-4,735	-4,735
	Rajasthan Total		-12,351	-12,351	-15,645	-15,645	-12,474	-12,474

	Uttar Pradesh	DVVN	-3,364	-3,364	-5,521	-5,521	-2,936	-2,936
		KESCO	-545	-545	-674	-674	-168	-168
		MVVN	-2,033	-2,033	-3,263	-3,263	-1,994	-1,994
		Pash VVN	-1,303	-1,303	-3,172	-3,172	-1,577	-1,577
		Poorv VVN	-2,533	-2,533	-4,095	-4,095	-2,000	-2,000
	Uttar Pradesh Total		-9,778	-9,778	-16,724	-16,724	-8,675	-8,675
	Uttarakhand	Ut PCL	-16	-16	323	323	-260	-260
	Uttarakhand Total		-16	-16	323	323	-260	-260
Northern Total			-28,647	-28,814	-37,521	-37,521	-27,012	-28,245
Southern	Andhra Pradesh	APCPDCL	-7,718	-7,718	-811	-811		0
		APEPDCL	-1,681	-1,681	-136	-136	-722	-722
		APNPDCL	-3,436	-3,445	-31	-31		0
		APSPDCL	-4,673	-4,678	-401	-401	-1,675	-1,827
	Andhra Pradesh Total		-17,508	-17,522	-1,379	-1,379	-2,397	-2,549
	Karnataka	BESCOM	-433	-433	76	76	113	113
		CHESCOM	-270	-337	-16	-72	40	37
		GESCOM	-189	-189	38	38	-110	-110
		HESCOM	41	41	-576	-576	30	30
		MESCOM	13	13	0	0	14	14
	Karnataka Total		-838	-905	-478	-534	88	85
	Kerala	KSEB	241	241	140	140		0
		KSEBL		0	-24	-24	-1,273	-1,273
	Kerala Total		241	241	116	116	-1,273	-1,273
	Puducherry	Puducherry PD	-308	-308	-60	-60	157	157
	Puducherry Total		-308	-308	-60	-60	157	157
	Tamil Nadu	TANGEDCO	-11,679	-12,064	-13,985	-14,052	-12,757	-12,757
	Tamil Nadu Total		-11,679	-12,064	-13,985	-14,052	-12,757	-12,757
	Telangana	TSNPDCL		0		0	-1,343	-1,741
		TSSPDCL		0		0	-1,171	-1,171
	Telangana Total			0		0	-2,513	-2,912
Southern Total			-30,092	-30,559	-15,786	-15,909	-18,695	-19,249
Western	Chhattisgarh	CSPDCL	-498	-498	-630	-630	-1,554	-1,569
	Chhattisgarh Total		-498	-498	-630	-630	-1,554	-1,569
	Goa	Goa PD	-285	-285	-4	-4	-17	-17
	Goa Total		-285	-285	-4	-4	-17	-17
	Gujarat	DGVCL	25	25	52	52	51	51
		MGVCL	21	21	19	19	29	29
		PGVCL	11	11	10	10	11	11
		UGVCL	14	14	14	14	17	17
	Gujarat Total		71	71	95	95	108	108
	Madhya Pradesh	MP Madhya Kshetra VVCL	-1,593	-1,595	-2,672	-2,672	-2,728	-2,765
		MP Paschim Kshetra VVCL	-1,425	-1,425	-1,811	-1,811	-1,061	-1,061
		MP Purv Kshetra VVCL	-1,432	-1,432	-1,887	-1,893	-1,162	-1,175
	Madhya Pradesh Total		-4,450	-4,452	-6,370	-6,376	-4,950	-5,001
	Maharashtra	MSEDCL	-871	-871	-280	-280	-366	-366
	Maharashtra Total		-871	-871	-280	-280	-366	-366
Western Total			-6,034	-6,036	-7,190	-7,196	-6,780	-6,845
Grand Total			-70,835	-71,621	-67,041	-67,336	-56,206	-58,275

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ANNEX-II

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 4281 TO BE ANSWERED IN THE LOK SABHA ON 11.08.2016.

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STATES WHICH HAVE IMPLEMENTED POWER REFORMS IN THE COUNTRY

Sl. No	SEBs re-organized	Other States/UTs which have Electricity Departments and not SEBs
1	Delhi	Nagaland
2	Haryana	Mizoram
3	Rajasthan	Manipur
4	Uttar Pradesh	Goa,
5	Uttaranchal	J&K**
6	Andhra Pradesh	Arunachal Pradesh
7	Karnataka	Tripura *
8	Assam	Pondicherry
9	Orissa	Chandigarh
10	West Bengal	Daman & Diu
11	Gujarat	Dadra & Nagar Haveli
12	Maharashtra	Andaman & Nicobar
13	Madhya Pradesh	Lakshadweep
14	Chhattisgarh	Sikkim
15	Tamil Nadu	
16	Punjab	
17	Meghalaya	
18	Himachal Pradesh	
19	Bihar	
20	Jharkhand	
21	Kerala	
Total	21	14

***Tripura has corporatized its Electricity Department.**

**** For Jammu & Kashmir: Electricity Act 2003 is not applicable**

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ANNEX-III

ANNEX REFERRED TO IN REPLY TO PARTS (c) to (e) OF UNSTARRED QUESTION NO. 4281 TO BE ANSWERED IN THE LOK SABHA ON 11.08.2016.

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Details of state-wise and Utility-wise AT&C losses for 2012-13 to 2014-15					
Region	State	Utility	2012-13	2013-14	2014-15
Eastern	Bihar	BSEB	59.40		
		NBPDCL	50.85	41.93	41.76
		SBPDCL	45.77	48.70	45.28
	Bihar Total		54.64	46.33	43.99
	Jharkhand	JSEB	47.49	26.30	
		JBVNL			47.01
	Jharkhand Total		47.49	26.30	47.01
	Sikkim	Sikkim PD	53.51	71.23	42.37
	Sikkim Total		53.51	71.23	42.37
	West Bengal	WBSEDCL	34.43	32.05	35.35
	West Bengal Total		34.43	32.05	35.35
	Odisha	NESCO	39.61	36.47	38.36
		SESCO	49.36	41.18	42.57
		WESCO	41.87	41.24	41.03
		CESU	43.43	38.48	37.08
	Odisha Total		42.88	39.19	39.28
Eastern Total			42.04	36.24	39.64
North Eastern	Arunachal Pradesh	Arunachal PD	60.26	68.20	67.83
	Arunachal Pradesh Total		60.26	68.20	67.83
	Assam	APDCL	31.85	30.25	26.00
	Assam Total		31.85	30.25	26.00
	Manipur	Manipur PD	85.49	43.55	
		MSPDCL			49.62
	Manipur Total		85.49	43.55	49.62
	Meghalaya	MePDCL	41.71	39.77	34.69
	Meghalaya Total		41.71	39.77	34.69
	Mizoram	Mizoram PD	27.55	32.53	33.51
	Mizoram Total		27.55	32.53	33.51
	Nagaland	Nagaland PD	75.30	38.37	78.48
	Nagaland Total		75.30	38.37	78.48
	Tripura	TSECL	34.45	41.81	38.02
	Tripura Total		34.45	41.81	38.02
North Eastern Total			39.97	35.92	35.29
Northern	Delhi	BSES Rajdhani	15.16	16.19	10.76
		BSES Yamuna	17.94	15.51	19.68
		TPDDL	13.12	9.75	10.31
	Delhi Total		15.22	14.09	12.90
	Haryana	DHBVNL	28.31	30.89	30.71
		UHBVNL	36.97	38.61	34.83
	Haryana Total		32.55	34.33	32.52
	Himachal Pradesh	HPSEB Ltd.	11.90	14.82	15.21
	Himachal Pradesh Total		11.90	14.82	15.21
	Jammu & Kashmir	J&K PDD	60.87	49.14	59.04
	Jammu & Kashmir Total		60.87	49.14	59.04
	Punjab	PSPCL	17.52	17.87	17.56
	Punjab Total		17.52	17.87	17.56
	Rajasthan	AVVNL	19.90	22.06	28.13
		JDVVNL	18.97	25.71	26.99
		JVVNL	20.91	31.08	32.00
	Rajasthan Total		20.00	26.77	29.28

	Uttar Pradesh	DVVN	45.69	36.47	40.18
		KESCO	37.61	34.29	32.02
		MVVN	45.83	14.43	35.18
		Pash VVN	33.39	23.49	22.19
		Poorv VVN	52.37	20.09	42.91
	Uttar Pradesh Total		42.85	24.67	33.82
	Uttarakhand	Ut PCL	23.18	19.01	18.82
	Uttarakhand Total		23.18	19.01	18.82
Northern Total			28.89	24.86	28.06
Southern	Andhra Pradesh	APCPDCL	15.64	17.54	
		APEPDCL	10.15	6.57	7.67
		APNPDCL	13.09	20.80	
		APSPDCL	12.74	11.77	12.01
	Andhra Pradesh Total		13.70	14.77	10.55
	Karnataka	BESCOM	20.45	18.93	17.59
		CHESCOM	30.42	33.92	21.64
		GESCOM	18.28	30.45	21.25
		HESCOM	20.44	20.42	19.49
		MESCOM	14.57	14.83	15.72
	Karnataka Total		20.78	22.02	18.71
	Kerala	KSEB	12.32	11.45	
		KSEBL		22.99	17.64
	Kerala Total		12.32	16.48	17.64
	Puducherry	Puducherry PD	9.13	16.18	16.64
	Puducherry Total		9.13	16.18	16.64
	Tamil Nadu	TANGEDCO	20.71	22.35	24.74
	Tamil Nadu Total		20.71	22.35	24.74
	Telangana	TSNPDCL			16.49
		TSSPDCL			11.91
	Telangana Total				13.23
Southern Total			17.40	19.08	18.22
Western	Chhattisgarh	CSPDCL	25.12	23.17	27.84
	Chhattisgarh Total		25.12	23.17	27.84
	Goa	Goa PD	14.14	10.72	13.31
	Goa Total		14.14	10.72	13.31
	Gujarat	DGVCL	10.40	10.83	10.81
		MGVCL	14.94	14.77	11.47
		PGVCL	30.41	24.12	25.18
		UGVCL	14.37	9.10	10.21
	Gujarat Total		19.87	15.93	16.06
	Madhya Pradesh	MP Madhya Kshetra VVCL	29.97	29.60	32.47
		MP Paschim Kshetra VVCL	28.16	21.15	30.79
		MP Purv Kshetra VVCL	36.40	34.83	27.09
	Madhya Pradesh Total		31.15	28.03	30.26
	Maharashtra	MSEDCL	21.95	14.39	19.75
	Maharashtra Total		21.95	14.39	19.75
Western Total			23.36	18.37	21.59
Grand Total			25.48	22.58	24.62

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