the on-going SECC, 2011 which is a door to door census of rural and urban households in the country carried out by State Governments and Union Territory (UT) Administrations to collect information on a number of socio-economic indicators. The census is being carried out in coordination with Ministry of Housing and Urban Poverty Alleviation and Office of Registrar General and Census Commissioner, India.

Methodologies for identification of BPL households in rural and urban areas were decided on the basis of recommendations of Expert Groups constituted under the Chairmanship of Dr. N.C. Saxena and Dr. S.R. Hashim respectively. The recommendations of the Expert Group for identification of BPL households in rural areas were discussed with State Governments/UT Administrations, the concerned Central Ministries, the Planning Commission and other experts. On the basis of suggestions of experts, a pre-testing of methodology through a pilot study was conducted, results of which were discussed with experts and States/UTs to arrive at the methodology to be adopted.

(e) and (f) TPDS is operated under the joint responsibility of Central Government and State/UT Governments. The Central Government is responsible for procurement, allocation and transportation of foodgrains upto designated depots of Food Corporation of India. The operational responsibilities for lifting and distributing the allocated foodgrains within the States/UTs, identification of eligible Below Poverty Lines (BPL) families, issuance of ration cards to them and supervision over distribution of allocated foodgrains to eligible card holders through the fair price shops are that of the State/UT Governments. However, in order to improve functioning of TPDS, the Central Government has been regularly requesting State/UT Governments for continuous review of Below Poverty Line and Antyodaya Anna Yojana families, ensuring timely availability of foodgrains at fair price shops, ensuring greater transparency in functioning of TPDS, improved monitoring and vigilance at various levels, adoption of revised Model Citizen's charter, introduction of new technologies such as computerization of TPDS operations at various levels and improving the efficiency of fair price shop operations. Various aspects of implementation of TPDS are also reviewed during meetings/conferences with States/UTs and advisories are issued.

Demand of power

*360. SHRI P. BHATTACHARYA: Will the Minister of POWER be pleased to state:

(a)   whether the demand of power is constantly increasing leading to an acute shortage in the country;

(b)   if so, the details of demand and supply of power during the last three years and the current year, year-wise and State-wise;

(c)   the details of power generation from various sources during the last three years and the current year, year-wise and source wise; and

(d)   the details of structural reforms undertaken to improve power situation along with the success achieved as a result thereof?

THE MINISTER OF POWER (SHRI SUSHIL KUMAR SHINDE): (a) and (b) The demand for electricity in the country has registered an increasing trend. The details of requirement, availability and shortage of electricity in the country in terms of energy and peaking power during 2009-10, 2010-11 and 2011-12 are given below:

Year	Energy			
	Requirement	Availability		Deficit
	(MU)	(MU)	(MU)	(%)
2009-10	8,30,594	7,46,644	83,950	10.1
2010-11	8,61,591	7,88,355	73,236	8.5
2011-12	9,37,199	8,57,886	79,313	8.5

MU = Million Unit

Year	Peak			
	Demand	Met		Deficit
	(MW)	(MW)	(MW)	(%)
2009-10	1,19,166	1,04,009	15,157	12.7
2010-11	1,22,287	1,10,256	12,031	9.8
2011-12	1,30,006	1,16,191	13,815	10.6

MW = Mega Watt

The State-wise power supply position during the last three years is given at Statement (*See* below).

(c)   The gross electricity generation in the country from various conventional energy sources, namely thermal, hydro, nuclear and import of hydro power from Bhutan during 2009-10, 2010-11 and 2011-12 was 771.551 Billion Unit (BU), 811.143 BU and 876.44 BU respectively. The year-wise, source-wise details of gross electricity generation are given below :

Source		Gross Energy Generation (BU)		
		2009-10	2010-11	2011-12*
1	2	3	4	5
	Thermal	640.877	665.008	708.451

1	2	3	4	5
	Hydro	106.680	114.257	130.430
	Nuclear	18.636	26.266	32.270
	Bhutan Import	5.358	5.611	5.284
	Total	771.551	811.143	876.435

* Provisional

(d) The main structural reforms undertaken to improve power situation in the country include *inter-alia* de-licensing of generation, distribution sector reforms, adoption of super-critical technologies and liberalization of mega power policy etc. These measures have resulted in high capacity addition of 54,964 MW as well as addition of 36,967 MVA of transformation capacity along with, 70,286 ckm along with transmission line in the 11th Plan.

Statement

A. Power Supply Position for 2009-10 *(Revised)*

State /System / Region	Energy April, 2009–March, 2010				Peak April, 2009–March, 2010			
	Requirement	Availability	Surplus/Deficit (-)		Peak Demand	Peak Met	Surplus/Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	1,576	1,528	-48	-3	308	308	0	0
Delhi	24,277	24,094	-183	-0.8	4,502	4,408	-94	-2.1
Haryana	33,441	32,023	-1,418	-4.2	6,133	5,678	-455	-7.4
Himachal Pradesh	7,047	6,769	-278	-3.9	1,118	1,158	40	3.6
Jammu and Kashmir	13,200	9,933	-3,267	-24.8	2,247	1,487	-760	-33.8
Punjab	45,731	39,408	-6,323	-13.8	9,786	7,407	-2,379	-24.3
Rajasthan	44,109	43,062	-1,047	-2.4	6,859	6,859	0	0.0
Uttar Pradesh	75,930	59,508	-16,422	-21.6	10,856	8,563	-2,293	-21.1
Uttarakhand	8,921	8,338	-583	-6.5	1,397	1,313	-84	-6.0
Northern Region	**254,231**	**224,661**	**-29370**	**-11,6**	**37,159**	**31,439**	**-5,720**	**-15.4**
Chhattisgarh	11,009	10,739	-270	-2.5	2,819	2,703	-116	-4.1
Gujarat	70,369	67,220	-3,149	-4.5	10,406	9,515	-891	-8.6

Madhya Pradesh	43,179	34,973	-8,206	-19.0	7,490	6,415	-1,075	-14.4
Maharashtra	124,936	101,512	-23,424	-18.7	19,388	14,664	-4,724	-24.4
Daman and Diu	1,934	1,802	-132	-6.8	280	255	-25	-8.9
Dadar Nagar Haveli	4,007	3,853	-154	-3.8	529	494	-35	-6.6
Goa	3,092	3,026	-66	-2.1	485	453	-32	-6.6
Western Region	**258,528**	**223,127**	**-35,401**	**-13.7**	**39,609**	**32,586**	**-7,023**	**-17.7**
Andhra Pradesh	78,996	73,765	-5,231	-6.6	12,168	10,880	-1,288	-10.6
Karnataka	45,550	42,041	-3,509	-7.7	7,942	6,897	-1,045	-13.2
Kerala	17,619	17,196	-423	-2.4	3,109	2,982	-127	-4,1
Tamil Nadu	76,293	71,568	-4,725	-6.2	11,125	9,813	-1,312	-11.8
Puducherry	2,119	1,975	-144	-6.8	327	294	-33	-10.1
Lakshadweep	24	24	0	0	6	6	0	0
Southern Region	**220,576**	**206,544**	**-14,032**	**-6.4**	**32,178**	**29,049**	**-3,129**	**-9.7**
Bihar	11,587	9,914	-1,673	-14.4	2,249	1,509	-740	-32.9
DVC	15,199	14,577	-622	-4.1	1,938	1,910	-28	-1.4
Jharkhand	5,867	5,407	-460	-7.8	1,088	947	-141	-13.0
Orissa	21,136	20,955	-181	-0.9	3,188	3,120	-68	-2.1
West Bengal	33,750	32,819	-931	-2.8	6,094	5,963	-131	-2.1
Sikkim	388	345	-43	-11.1	96	94	-2	-2.1

1	2	3	4	5	6	7	8	9
Andaman-Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	**87,927**	**84,017**	**-3,910**	**-4.4**	**13,220**	**12,384**	**-836**	**-63**
Arunachal Pradesh	399	325	-74	-18.5	95	78	-17	-17.9
Assam	5,122	4,688	-434	-8.5	920	874	-46	-5.0
Manipur	524	430	-94	-17.9	111	99	-12	-10.8
Meghalaya	1,550	1,327	-223	-14.4	280	250	-30	-10.7
Mizoram	352	288	-64	-18.2	70	64	-6	-8.6
Nagaland	530	466	-64	-12.1	100	96	-4	-4.0
Tripura	855	771	-84	-9.8	176	173	-3	-1.7
North-Eastern Region	**9,332**	**8,296**	**-1,036**	**-11.1**	**1,760**	**1,445**	**-315**	**-17.9**
ALL INDIA	**830,594**	**746,644**	**-83,950**	**-10.1**	**119,166**	**104,009**	**-15,157**	**-12.7**

Lakshadweep and Andaman and Nicobar Islands are stand-alone systems, power supply position of these, does not form part of regional requirement and availability.

B. Power Supply Position for 2010-11 *(Revised)*

State/System/Region	Energy				Peak			
	April, 2010 -March, 2011				April, 2010 -March, 2011			
	Requirement	Availability	Surplus/Deficit (-)		Peak Demand	Peak Met	Surplus/Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	1,519	1,519	0	0	301	301	0	0
Delhi	25,625	25,559	-66	-0.3	4,810	4,739	-71	-1.5
Haryana	34,552	32,626	-1,926	-5.6	6,142	5,574	-568	-9.2
Himachal Pradesh	7,626	7,364	-262	-3.4	1,278	1,187	-91	-7.1
Jammu and Kashmir	13,571	10,181	-3,390	-25.0	2,369	1,571	-798	-33.7
Punjab	44,484	41,799	-2,685	-6.0	9,399	7,938	-1,461	-15.5
Rajasthan	45,261	44,836	-425	-0.9	7,729	7,442	-287	-3.7
Uttar Pradesh	76,292	64,846	-11,446	-15.0	11,082	10,672	-410	-3.7
Uttarakhand	9,850	9,255	-595	-6.0	1,520	1,520	0	0.0
Northern Region	**258,780**	**237,985**	**-20,795**	**-8.0**	**37,431**	**34,101**	**-3330**	**-8.9**
Chhattisgarh	10,340	10,165	-175	-1.7	3,148	2,838	-310	-9.8
Gujarat	71,651	67,534	-4,117	-5.7	10,786	9,947	-839	-7.8

1	2	3	4	5	6	7	8	9
Madhya Pradesh	48,437	38,644	-9,793	-20.2	8,864	8,093	-771	-8.7
Maharashtra	128,296	107,018	-21,278	-16.6	19,766	16,192	-3,574	-18.1
Daman and Diu	2,181	1,997	-184	-8.4	353	328	-25	-7.1
Dadar Nagar Haveli	4,429	4,424	-5	-0.1	594	594	0	0.0
Goa	3,154	3,089	-65	-2.1	544	467	-77	-14.2
Western Region	**268,488**	**232,871**	**-35,617**	**-13.3**	**40,798**	**34,319**	**-5,979**	**-14.7**
Andhra Pradesh	78,970	76,450	-2,520	-3.2	12,630	11,829	-801	-6.3
Karnataka	50,474	46,624	-3,850	-7.6	8,430	7,815	-615	-7.3
Kerala	18,023	17,767	-256	-1.4	3,295	3,103	-192	-5.8
Tamil Nadu	80,314	75,101	-5,213	-6.5	11,728	10,436	-1,292	-11.0
Puducherry	2,123	2,039	-84	-4.0	319	302	-17	-5.3
Lakshadweep	25	25	0	0	7	7	0	0
Southern Region	**229,904**	**217,981**	**-11,923**	**-5.2**	**33456**	**31,121**	**-2,135**	**-6.4**
Bihar	12,384	10,772	-1,612	-13.0	2,140	1,659	-481	-22.5
DVC	16,590	15,071	-1,519	-9.2	2,059	2,046	-13	-0.6
Jharkhand	6,195	5,985	-210	-3.4	1,108	1,052	-56	-5.1

Odisha	22,506	22,449	-57	-0.3	3,872	3,792	-80	-2.1
West Bengal	36,481	35,847	-634	-1.7	6,162	6,112	-50	-0.8
Sikkim	402	402	0	0.0	106	104	-2	-1.9
Andaman-Nicobar	240	180	-60	-25	40	32	-8	-20
Eastern Region	**94,558**	**90,526**	**-4,032**	**-4.3**	**13,767**	**13,085**	**-682**	**-5.0**
Arunachal Pradesh	511	436	-75	-14.7	101	85	-16	-15.8
Assam	5,403	5,063	-340	-6.3	971	937	-34	-3.5
Manipur	568	505	-63	-11.1	118	115	-3	-2.5
Meghalaya	1,545	1,352	-193	-12.5	294	284	-10	-3.4
Mizoram	369	315	-54	-14.6	76	70	-6	-7.9
Nagaland	583	520	-63	-10.8	118	110	-8	-6.8
Tripura	882	801	-81	-9.2	220	197	-23	-10.5
North-Eastern Region	**9,861**	**8,992**	**-869**	**-8.8**	**1,913**	**1,560**	**-353**	**-18.5**
ALL INDIA	**861,591**	**788,355**	**-73,236**	**-8.5**	**122,287**	**110,256**	**-12,031**	**-9.8**

Lakshadweep and Andaman and Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and availability.

Note : Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

C. Power Supply Position for 2011-12 *(Revised)*

State/System/Region	Energy				Peak			
	April. 2011–March, 2012				April, 2011–March, 2012			
	Requirement	Availability	Surplus/Deficit (-)		Peak Demand	Peak Met	Surplus/Deficit (-)	
	(MU)	(MU)	(MU)	(%)	(MW)	(MW)	(MW)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	1,568	1,564	-4	0	263	263	0	0
Delhi	26,751	26,674	-77	-0.3	5,031	5,028	-3	-0.1
Haryana	36,874	35,541	-1,333	-3.6	6,533	6,259	-274	-4.2
Himachal Pradesh	8,161	8,107	-54	-0.7	1,397	1,298	-99	-7.1
Jammu and Kashmir	14,250	10,889	-3,361	-23.6	2,385	1,789	-596	-25.0
Punjab	45,191	43,792	-1,399	-3.1	10,471	8,701	-1,770	-16.9
Rajasthan	51,474	49,491	-1,983	-3.9	8,188	7,605	-583	-7.1
Uttar Pradesh	81,339	72,116	-9,223	-11.3	12,038	11,767	-271	-2.3
Uttarakhand	10,513	10,208	-305	-2.9	1,612	1,600	-12	-0.7
Northern Region	**276,121**	**258,82**	**-17,739**	**-6.4**	**40,248**	**37,117**	**-3,131**	**-7.8**
Chhattisgarh	15,013	14,615	-398	-2.7	3,239	3,093	-146	-4.5
Gujarat	74,696	74,429	-267	-0.4	10,951	10,759	-192	-1.8

Madhya Pradesh	49,785	41,392	-8,393	-16.9	9,151	8,505	-646	-7.1
Maharashtra	141,382	117,722	-23,660	-16.7	21,069	16,417	-4,652	-22.1
Daman and Diu	2,141	1,915	-226	-10.6	301	276	-25	-8.3
Dadar Nagar Haveli	4,380	4,349	-31	-0.7	615	605	-10	-1.6
Goa	3,024	2,981	-43	-1.4	527	471	-56	-10.6
Western Region	**290,421**	**257,403**	**-33,018**	**-11.4**	**42,352**	**36,509**	**-5,843**	**-13.8**
Andhra Pradesh	91,730	85,149	-6,581	-7.2	14,054	11,972	-2,082	-14.8
Karnataka	60,830	54,023	-6,807	-11.2	10,545	8,549	-1,996	-18.9
Kerala	19,890	19,467	-423	-2.1	3,516	3,337	-179	-5.1
Tamil Nadu	85,685	76,705	-8,980	-10.5	12,813	10,566	-2,247	-17.5
Puducherry	2,167	2,136	-31	-1.4	335	320	-15	-4.5
Lakshadweep	37	37	0	0	8	8	0	0
Southern Region	**260,302**	**237,480**	**-22,822**	**-8.8**	**37,599**	**32,188**	**-5,411**	**-14.4**
Bihar	14,311	11,260	-3,051	-21.3	2,031	1,738	-293	-14.4
DVC	16,648	16,009	-639	-3.8	2,318	2,074	-244	-10.5
Jharkhand	6,280	6,030	-250	-4.0	1,030	868	-162	-15.7
Odisha	23,036	22,693	-343	-1.5	3,589	3,526	-63	-1.8
West Bengal	38,679	38,281	-398	-1.0	6,592	6,532	-60	-0.9

1	2	3	4	5	6	7	8	9
Sikkim	390	384	-6	-1.5	100	95	-5	-5.0
Andaman-Nicobar	244	204	-40	-16	48	48	0	0
Eastern Region	**99,344**	**94,657**	**-4,687**	**-4.7**	**14,707**	**13,999**	**-708**	**-4.8**
Arunachal Pradesh	600	553	-47	-7.8	121	118	-3	-2.5
Assam	6,034	5,696	-338	-5.6	1,112	1,053	-59	-5.3
Manipur	544	499	-45	-8.3	116	115	-1	-0.9
Meghalaya	1,927	1,450	-477	-24.8	319	267	-52	-16.3
Mizoram	397	355	-42	-10.6	82	78	-4	-4.9
Nagaland	560	511	-49	-8.8	111	105	-6	-5.4
Tripura	949	900	-49	-5.2	215	214	-1	-0.5
North-Eastern Region	**11,011**	**9,964**	**-1,047**	**-9.5**	**1,920**	**1,782**	**-138**	**-7.2**
ALL INDIA	**937,199**	**857,886**	**-79,313**	**-8.5**	**130,006**	**116,191**	**-13,815**	**-10.6**

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Note : Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.