

10. POWER

Figures presented in this section relate to installed plant capacity, generation, consumption in power station auxiliaries, per capita consumption and sales of electricity by public utility electric supply undertakings, whether owned by Government, local authorities, or companies. Ordnance factories and Railway power stations with the sole exception of Chola Power Station are excluded. Mumbai is inter-connected with the Tata Power System and the Renukoot Power House (U.P.) is inter-connected with U.P. Grid. Data given in this section are compiled by the DMLF Division of the Central Electricity Authority, (Ministry of Power) and are published in their annual publication, "All India Electricity Statistics-General Review".

Table 10.1

This table presents statewise figures of total installed capacity, electricity generated, electricity used in power station auxiliaries and per capita consumption of electricity. The figures for installed plant capacity and electricity generated do not include data relating to non-utilities such as self generating industries and railways. Figures of electricity generated in a State do not include the power purchased from other States. Data on electricity generated by the Damodar Valley Corporation (DVC) at the Central Government Projects have been shown separately.

Table 10.2

The statewise data on electricity sold to ultimate consumers by public electricity undertakings are presented in this table by categories of consumers viz. domestic, commercial, industrial power, public lighting, traction, agricultural, public water works sewage pumping and miscellaneous.

Table 10.3

In this table, data are presented for total number of towns/villages electrified along with the percentage electrified by States. The data are compiled by the DPED Division of the Central Electricity Authority. Agencies helping in compilations of data are State Electricity Boards and Electricity Departments of various States and Union Territories and Private Licenses.

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**Table 10.1-ELECTRICITY-INSTALLED CAPACITY, GENERATION AND CONSUMPTION
(Utilities Only)**

Year/State/ Union Territory	(Installed capacity:ooo kw)						(generation: Gwh)	
	Installed Capacity (1)						Electricity gener- ated (gross)	
	Hydro	Steam	Diesel and Wind	Gas	Nuclear	Total	Hydro	Steam
1	2	3	4	5	6	7	8	9
1990-91	18753	43004	212	2552	1565	66086	71641	178322
1996-97	21658	54154	1196	6562	2680	86250	68901	289379
1997-98	21905	55969	1342	7661	2225	89102	74476	300059
1998-99	22479	57955	1636	8999	2225	93294	82923	310014
1999-00	23857	59856	1895	9597	2680	97885	80755	333617
2000-01	25153	61011	2141	10462	2860	101626	74362	357178
2001-02	26269	62131	2763	11163	2720	105046	73580	370884
2002-03	26917	63801	2806	11633	2720	107877	64014	389550
2003-04	29507	64956	3661	11840	2720	112684	75243	407284
2004-05	30942	67791	4181	11910	2770	117594	84610	424244
2004-05								
State:								
Andhra Pradesh	3586	2953	138	1112	-	7789	5515	23360
Arunachal Pradesh	19	-	16	-	-	35	2	-
Assam	2	330	21	269	-	622	-	-
Bihar	45	554	-	-	-	599	54	153
Chhatisgarh	120	1280	-	-	-	1400	383	7925
Goa	-	-	-	48	-	48	-	-
Gujarat	617	4944	237	1864	-	7662	873	30122
Haryana	932	1603	4	-	-	2539	2990	6857
Himachal Pradesh	709	-	-	-	-	709	2754	-
Jammu & Kashmir	309	-	9	175	-	493	687	-
Jharkhand	130	1500	-	-	-	1630	149	4020
Karnataka	3318	1730	510	220	-	5778	8935	12698
Kerala	1808	-	258	174	-	2240	6082	-
Madhya Pradesh	1131	2158	28	-	-	3114	2434	13503
Maharashtra	3009	8075	411	1832	-	13327	5588	55544
Manipur	2	-	45	-	-	47	-	-
Meghalaya	186	-	2	-	-	188	638	-
Mizoram	4	-	52	-	-	56	5	-
Nagaland	26	-	2	-	-	28	3	-
Orissa	1900	420	-	-	-	2320	7143	3165
Punjab	2475	2130	-	-	-	4605	7293	14384
Rajasthan	1009	2420	263	114	-	3806	2624	17642
Sikkim	32	-	5	-	-	37	59	-
Tamil Nadu	1996	3220	2089	832	-	8136	4419	21359
Tripura	16	-	5	107	-	128	68	-
Uttaranchal	987	-	-	-	-	987	3113	-
Uttar Pradesh	519	4102	-	-	-	4621	1208	19704
West Bengal	162	4506	13	100	-	4781	530	24357
Union Territory:								
A. & N. Islands	5	-	60	-	-	65	7	-
Chandigarh	-	-	2	-	-	2	-	-
Dadar & Nagar Havi	-	-	-	-	-	-	-	-
Delhi	-	320	-	612	-	932	-	1385
Daman & Diu	-	-	-	-	-	-	-	-
Lakshadweep	-	-	10	-	-	10	-	-
Pondicherry	-	-	-	33	-	33	-	-
Other than States & U.Ts.								
D.V.C.	144	2848	-	90	-	3082	260	10585
Central Govt. Projec	5748	22700	-	4329	2720	35497	20795	157481

Note: 1. Installed capacity of jointly owned projects have been shown divided between the partner States as per their theoretical shares.

2. Includes the Capacity of Small Hydro Project.

3. Totals may not tally due to rounding off of figures.

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TABLE 10.1-ELECTRICITY-INSTALLED CAPACITY, GENERATION AND CONSUMPTION-Concl'd.
(Utilities Only)

Year/State/ Union Territory	Electricity generated(gross)-Concl'd.			Consumption in power station (net) auxiliaries (col.13-14)	Electricity generated (net) (col.13-14)	Consumption*	Per capita consumption (Kwh)			Total@	
	Diesel and Wind	Gas	Nuclear				Total	Utilites	Non Utilities		
1990-91	111	8113	6141	264329	19603	244726	190357.4	-	-	252.8	
1996-97	1554	26985	9071	395889	28805	367084	280206.2	-	-	334.3	
1997-98	-	36360	10003	420622	30621	390001	296748.9	-	-	349.1	
1998-99	2383	41303	11923	448544	31423	417121	309734.1	-	-	360.0	
1999-00	4356	49077	13249	481055	32889	448166	312841.2	-	-	364.5	
2000-01	4581	48182	16902	501204	34932	466272	316599.6	314.7	51.4	366.1	
2001-02	6402	47099	19475	72976	36606	36370	322459.3	310.7	50.3	361.0	
2002-03	7052	52687	19390	79129	38257	40872	339598.3	321.9	51.1	373.0	
2003-04	6867	57928	17780	565102	39801	525301	360937.2	336.5	53.5	390.0	
2004-05	6855	61525	17011	594245	41590	552655	386133.7	354.3	56.8	411.1	
2004-05											
State:											
Andhra Pradesh	161	8270	-	37306	2362	34944	38677.4	489.0	54.2	543.2	
Arunachal Pradesh	-	-	-	2	-	2	166.5	144.8	-	144.8	
Assam	-	903	-	903	44	859	1838.0	64.9	20.4	85.3	
Bihar	-	-	-	153	33	120	3952.0	44.6	-	44.6	
Chhatisgarh	-	-	-	8308	785	7523	8050.6	361.7	173.5	535.2	
Goa	-	336	-	336	7	329	1800.4	1224.8	93.6	1318.4	
Gujarat	350	12886	-	44231	3201	41030	36983.4	689.1	219.0	908.1	
Haryana	-	-	-	9847	772	9075	13807.1	613.4	44.6	658.0	
Himachal Pradesh	-	-	-	2754	8	2746	2954.2	466.7	17.4	484.1	
Jammu & Kashmir	-	24	-	711	11	700	3877.0	384.7	0.1	384.8	
Jharkhand\$	-	-	-	4169	711	3458	8380.5	293.4	108.7	402.1	
Karnataka	1045	661	-	24239	1232	23007	24781.6	448.9	55.8	504.7	
Kerala	315	119	-	6516	42	6474	9347.9	282.7	13.4	296.1	
Madhya Pradesh	39	-	-	15976	1339	14637	17201.9	264.7	43.7	308.4	
Maharashtra	495	5450	-	67077	4618	62459	55457.0	543.2	42.2	585.4	
Manipur	1	-	-	1	-	1	177.6	70.5	-	70.5	
Meghalaya	-	-	-	638	2	636	855.9	352.2	-	352.2	
Mizoram	1	-	-	6	-	6	125.7	133.7	-	133.7	
Nagaland	-	-	-	3	-	3	183.2	87.2	-	87.2	
Orissa	-	-	-	10308	358	9950	7814.5	203.5	191.4	394.9	
Punjab	-	-	-	21677	1409	20268	22526.1	882.3	25.0	907.3	
Rajasthan	332	354	-	20952	1705	19247	16682.6	274.4	53.7	328.1	
Sikkim	-	-	-	59	-	59	266.7	397.7	-	397.7	
Tamil Nadu	3971	2481	-	32230	2038	30192	41286.0	641.2	72.1	713.3	
Tripura	-	487	-	555	8	547	380.0	113.1	-	113.1	
Uttaranchal	-	-	-	3113	47	3066	3163.2	351.1	42.4	393.5	
Uttar Pradesh	-	-	-	20912	2045	18867	27939.3	156.2	45.8	202.0	
West Bengal@@	1	-	-	24888	2404	22484	19087.1	226.6	20.9	247.5	
Union Territory:											
A. & N. Islands	123	-	-	130	4	126	110.0	293.2	-	293.2	
Chandigarh	-	-	-	-	-	-	918.3	937.0	6.9	943.9	
D. & N. Haveli	-	-	-	-	-	-	1768.2	7524.3	62.2	7586.5	
Delhi	-	4091	-	5476	272	5204	12773.4	830.0	-	830.0	
Daman & Diu	-	-	-	-	-	-	1001.8	5927.9	-	5927.9	
Lakshadweep	23	-	-	23	-	23	20.0	312.2	-	312.2	
Pondicherry	-	275	-	275	16	259	1819.1	1783.4	93.1	1876.5	
Other than States & U.Ts.											
D.V.C.	-	-	-	10845	1388	9457	-	-	-	-	
Central Govt. Project	-	25187	17011	220474	14730	205744	-	-	-	-	

Source: Central Electricity Authority, Ministry of Power

(*) Relates to sales to ultimate consumers.

1. Includes the generation of Small Hydro Projects.

2. Totals may not tally due to rounding off of figures.

(@) Relates to utility and non-utility.

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Table 10.2-ELECTRICITY SOLD TO ULTIMATE CONSUMERS
(Utilities only)

Year/State/ Union Territory	Total sold to ultimate consumers	Domestic	Commercial	Industrial Power at low & medium voltage	(Gwh)
					Industrial Power at high voltage
1	2	3	4	5	6
1990-91	127372.36	31982.37	11180.99	17458.00	66751.00
1996-97	176950.57	55266.54	17519.38	21590.06	82574.59
1997-98	184639.69	60346.21	19367.51	22706.16	82219.81
1998-99	189852.39	64973.14	19798.83	22995.14	82085.28
1999-00	198409.13	70520.27	21160.85	27259.55	79468.46
2000-01	205795.20	75628.95	22544.66	28302.46	79319.13
2001-02	211129.76	79694.38	24139.78	28160.03	79135.57
2002-03	223751.09	83355.08	25437.25	30572.00	84386.76
2003-04	360937.24	89735.78	28201.49	32815.40	91757.68
2004-05	386133.66	95659.47	31381.23	32334.67	104354.58
2004-05					
State:					
Andhra Pradesh	38677.24	7879.17	1865.73	2494.00	9113.43
Arunachal Pradesh	166.50	65.00	13.50	4.50	(A)
Assam	1837.98	722.02	227.54	85.52	505.49
Bihar	3951.97	1209.30	301.14	140.06	679.04
Chhattisgarh	8050.58	1385.74	242.24	328.14	3985.31
Goa	1800.40	303.64	118.58	63.57	955.32
Gujarat	36983.39	5434.31	2035.87	5935.65	9931.60
Haryana	13807.14	2841.89	755.33	948.22	2531.32
Himachal Pradesh	2954.16	809.79	244.37	144.36	1347.49
Jammu & Kashmir	3877.00	1525.60	465.24	771.52	(A)
Jharkhand	8380.48	840.48\$	160.69\$	115.64\$	6274.92\$
Karnataka	24781.59	4923.79	1925.48	1448.51	5021.96
Kerala	9347.88	4292.16	1310.79	700.97	2307.67
Madhya Pradesh	17201.89	3832.24	815.43	689.08	4023.37
Maharashtra	55457.02	12662.35	5353.84	4817.72	17862.62
Manipur	177.59	113.42	12.30	7.11	0.93
Meghalaya	855.87	171.58	38.53	5.28	485.54
Mizoram	125.67	84.72	6.53	1.93	-
Nagaland	183.18	120.02	18.29	3.65	(A)
Orissa	7814.53	2663.18	534.80	270.85	3314.15
Punjab	22526.11	5063.26	1292.34	1878.79	6840.40
Rajasthan	16682.55	3375.96	1088.85	1484.54	3717.89
Sikkim	226.70	98.50	56.00	27.00	-
Tamil Nadu	41285.97	11083.00	3769.00	4512.00	9605.97
Tripura	380.01	148.47	32.74	50.17	(A)
Uttaranchal	3163.15	1010.39	573.17	92.91	795.91
Uttar Pradesh	27939.25	10327.12	2094.39	2385.71	4174.32
West Bengal	19087.13	5618.78\$	2089.46\$	1729.03\$	6871.21\$
Union Territory:					
A. & N. Islands	109.96	60.30	24.50	4.25	-
Chandigarh	918.29	356.83	224.95	115.60	128.72
D. & N.Haveli	1768.21	30.06	15.90	125.00	1580.50
Daman & Diu	1001.81	41.98	23.55	133.78	790.82
Delhi	12773.39	6263.81	3561.04	1616.59	321.16
Lakshadweep	19.98	14.12	4.35	0.40	-
Pondicherry	1819.09	286.46	84.77	102.62	1187.52

For footnotes please see next page.

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Table 10.2-ELECTRICITY SOLD TO ULTIMATE CONSUMERS-Concl.d.
(Utilities only)

Year/State/ Union Territory	(Gwh)				
	Public lighting	Traction	Agriculture	Public water works & sewage pumping	Miscella- neous
1	7	8	9	10	11
1990-91	1648.00	4112.38	50321.40	3643.00	8551.29
1996-97	2473.37	6594.21	84018.95	5569.17	4599.91
1997-98	2673.28	6944.28	91241.56	6083.51	5166.60
1998-99	2780.86	7306.89	97195.22	6560.91	6037.78
1999-00	3242.63	8088.44	90933.64	7108.98	5058.26
2000-01	3421.72	8213.46	84729.26	7043.52	7396.45
2001-02	3587.30	8105.65	81673.39	7369.79	10593.44
2002-03	3974.92	8796.91	84485.95	7898.70	10690.70
2003-04	4426.10	9210.11	87089.25	9218.95	8482.49
2004-05	4967.58	9495.33	88555.35	9618.49	8866.96
2004-05					
State:					
Andhra Pradesh	1398.64	1162.26	14160.72	(C)	603.29
Arunachal Pradesh	8.75	-	-	7.75	67.00
Assam	5.90	-	14.31	30.23	246.94
Bihar	29.24	334.74	1060.50	190.05	7.90
Chhattisgarh	47.08	586.21	1047.50	77.49	350.87
Goa	30.40	-	15.93	305.13	7.83
Gujarat	186.14	477.00	12055.46	790.45	136.91
Haryana	38.30	208.54	5682.49	315.60	485.45
Himachal Pradesh	10.87	-	25.26	270.51	101.51
Jammu & Kashmir	49.24	-	127.55	314.04	523.81
Jharkhand \$	56.35	754.03	60.65	73.94	43.78
Karnataka	582.64	34.95	9323.81	1403.68	116.77
Kerala	186.95	43.55	200.25	86.04	219.50
Madhya Pradesh	129.92	1337.84	5848.78	510.23	15.00
Maharashtra	632.36	1849.49	10733.31	1545.33	-
Manipur	3.17	-	0.22	8.58	31.86
Meghalaya	1.48	-	0.93	24.63	127.90
Mizoram	5.81	-	-	18.03	8.65
Nagaland	0.69	-	-	0.19	40.34
Orissa	47.26	334.07	183.11	141.63	325.48
Punjab	108.03	114.58	6468.31	285.06	475.34
Rajasthan	114.42	235.87	5322.13	942.68	400.21
Sikkim	45.20	-	-	-	-
Tamil Nadu	380.00	440.00	9766.00	723.00	1007.00
Tripura	7.32	-	70.98	55.52	14.81
Uttaranchal	46.38	-	487.96	155.59	0.84
Uttar Pradesh	328.13	627.09	4865.83	576.49	2560.17
West Bengal \$	214.92	829.95	833.48	426.00	474.30
Union Territory:					
A. & N. Islands	5.71	-	-	0.90	14.30
Chandigarh	14.98	-	1.76	(C)	75.45
D.& N. Haveli	8.00	-	5.50	3.25	-
Daman & Diu	3.48	-	2.61	1.13	4.46
Delhi	223.14	125.16	71.65	311.55	279.29
Lakshadweep	1.11	-	-	-	-
Pondicherry	15.57	-	118.36	23.79	-

Source: Central Electricity Authority, Ministry of Power

Note : \$ - Includes D.V.C.'s sales to ultimate consumers in Jharkhand & West Bengal areas.

(A) Included in Industrial (low and Medium voltage).

(C) Included under Industrial Category.

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TABLE 10.3-NUMBER OF TOWNS AND VILLAGES ELECTRIFIED IN INDIA

State/ Union Territory	Towns			Villages		
	Total(1)	Electrified(1)	Percentage	Total(1)	Electrified(2)	Percentage
1	2	3	4	5	6	7
State:						
Andhra Pradesh	210	210	100	26613	26565	99.8
Arunachal Pradesh	17	17	100	3863	1867	48.3
Assam	125	125	100	25124	19342	77.0
Bihar	130	130	100	39015\$	20006\$	51.3
Chattishgarh	97	97	100	19744	15119	76.6
Goa	44	44	100	347	347	100.0
Gujarat	242	242	100	18066	17823	98.7
Haryana	106	106	100	6764	6764	100.0
Himachal Pradesh	57	57	100	17495	11950	68.3
Jammu & Kashmir	75	75	100	6417 \$	6304 \$	98.2
Jharkhand	152	152	100	29354	9239	31.5
Karnataka	270	270	100	27481	26971	98.1
Kerala	159	159	100	1364	1364	100.0
Madhya Pradesh	394	394	100	52117	50213	96.3
Maharashtra	378	378	100	41095	35541	86.5
Manipur	33	33	100	2315	1903	82.2
Meghalaya	16	16	100	5782	3328	57.6
Mizoram	22	22	100	707	570	80.6
Nagaland	9	9	100	1278	855	66.9
Orissa	138	138	100	47529	26235	55.2
Punjab	157	157	100	12278	12278	100.0
Rajasthan	222	222	100	39753	25385	63.9
Sikkim	9	9	100	450	425	94.4
Tamil Nadu	832	832	100	15400	14621	94.9
Tripura	23	23	100	858	491	57.2
Uttaranchal	86	86	100	15761	14534	92.2
Uttar Pradesh	704	704	100	97942\$	56977\$	58.2
West Bengal	375	375	100	37945	32190	84.8
Union Territory:						
A. & N.Islands	3	3	100	501	219	43.7
Chandigarh	1	1	100	23	23	100.0
D. & N. Haveli	2	2	100	70	70	100.0
Daman & Diu	2	2	100	23	23	100.0
Delhi	62	62	100	158	158	100.0
Lakshadweep	3	3	100	8	8	100.0
Pondicherry	6	6	100	92	92	100.0
All India	5161	5161	100	593732	439800	74.1

Source: Central Electricity Authority, Ministry of Power

(1) As per 2001 Census.(2) As on 31.3.2005.

\$=Data are tentative.

TABLE NUMBER 10.1
ELECTRICITY – GENERATION CAPACITY

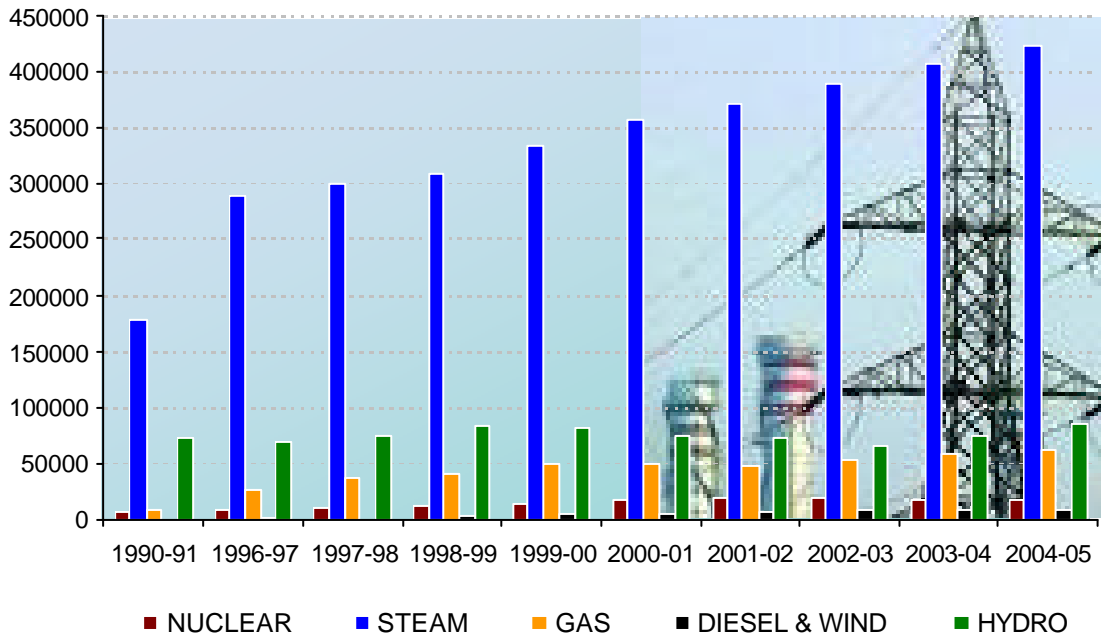


TABLE NUMBER 10.1
ELECTRICITY- INSTALLED CAPACITY

