

CHAPTER – 5

**ELECTRIC POWER SUPPLY AND
SYSTEM LOSSES**



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REVIEW:

During the year 2004-05 gross electricity generation was 594456.20 GWh, out of which 41590.21 GWh representing 7.00% of gross generation was consumed in power station auxiliaries. Thus net generation available at the bus-bar was 552865.99 GWh. Electricity purchased by Public Utilities from captive plants was 7107.74 GWh and electricity imported from Nepal & Bhutan was 1735.05 GWh. Thus the total electricity available for supply during the year was 561708.78 GWh as compared to 535030.44 GWh during the year 2003-04 representing a growth of 5%.

Electricity sold to various classes of consumers during the year 2004-05 was 386133.66 GWh and electricity exported outside the country i.e. to Nepal and Bhutan was 40.16 GWh. The electricity lost in transformation, transmission and distribution system and electricity unaccounted worked out to 175534.96 GWh representing 31.25% of the total available electricity. Amongst all the regions maximum percentage system losses were in North-Eastern Region i.e. 50.74%, followed by Northern Region with 36.19%, Western Region with 32.75%, Eastern Region with 32.29% and Southern Region with 22.63% losses. The percentage losses has been in transmission & distribution network corresponding to ultimate consumption within the State/UT based on net Import / Export.

The various tables in this Section represent the Region-wise, State-wise and Board-wise, Transmission & Distribution losses, transfer of electricity between different systems and electricity consumed in power auxiliaries.



Table No. 5.1
ELECTRICAL ENERGY GENERATED, PURCHASED, SOLD AND
LOST (ALL INDIA UTILITIES) DURING 2004-05

Sl. No.	Item	Energy (GWh)	% age of Item 1
1.	Energy generated (gross) (Utilities)	594456.20	100.00
2.	Energy used in power station auxiliaries	41590.21	7.00
3.	Energy generated (Net) at bus-bar i.e. (1) -(2)	552865.99	93.00
			% age of item 6
4.	Energy purchased from Non-Utilities	7107.74	1.27
5.	Energy imported from other countries (Nepal & Bhutan)	1735.05	0.31
6.	Energy available for supply i.e. (3)+(4)+(5)	561708.78	100.00
7.	Energy sold to ultimate consumers	386133.66	68.74
8.	Energy sold to other countries (Nepal & Bhutan)	40.16	0.01
9.	Total energy sold i.e. (7)+(8)	386173.82	68.75
10.	Energy lost in transformation, transmission and distribution and unaccounted for i.e. (10/6-8)	175534.96	31.25



Table No.5.2
ELECTRICAL ENERGY LOST IN TRANSMISSION AND DISTRIBUTION
SYSTEM REGIONWISE- DURING 2004-05

		<i>(GWh)</i>				
		<i>Northern Region</i>	<i>Western Region</i>	<i>Southern Region</i>	<i>Eastern Region</i>	<i>North Eastern Region</i>
I.	ENERGY GENERATED (NET)	158835.99	171027.10	137025.18	78163.79	7813.93
II.	ENERGY PURCHASED					
	a) From Non-Utilities	1053.30	1634.37	3815.56	604.51	0.00
	b) From other Regions	4481.51	9517.52	10291.38	145.19	120.36
	c) From other countries	0.00	0.00	0.00	1735.05	0.00
	Sub-Total	5534.81	11151.89	14106.94	2484.75	120.36
III.	Total Energy available (I+II)	164370.80	182178.99	151132.12	80648.54	7934.29
IV.	ENERGY SALES					
	a) To Ultimate consumers	104641.04	122263.30	115931.75	39570.77	3726.80
	b) To other Regions	308.39	376.15	1293.06	22209.17	369.19
	c) To other Countries	40.16	0.00	0.00	0.00	0.00
	Sub-Total IV	104989.59	122639.45	117224.81	61779.94	4095.99
V.	ENERGY LOSS IN TRANSMISSION & DISTRIBUTION & UNACCOUNTED FOR	59381.21	59539.54	33907.31	18868.60	3838.30
VI.	PERCENTAGE ENERGY LOSS (V/III-IV(b))	36.19	32.75	22.63	32.29	50.74

NOTE:- (1) Net generation of jointly owned projects have been shown divided the partner States as per their theoretical shares.

(2) In the case of projects, jointly owned by States of different regions, excess/less drawal of energy than theoretical shares have been treated as inter-regional purchase/sales respectively

(3) % age losses (Col. VI) in Transmission & Distribution net work corresponding to ultimate consumption within the Region based on net Import/Export.



**Table No.5.3
STATEWISE SYSTEM LOSSES DURING 2004-05**

(GWh)

State/U.T.	Net Generation in own Power Houses (Other than jointly owned projects & Central Sector Projects)	ENERGY RECEIVED FROM			Energy Avail- able in the State (2+3+4+5)
		Jointly owned & Central Govt. projects except BBMB & DVC	Self Generating including Industries	From other States including BBMB& DVC including from outside the country	
1	2	3	4	5	6
Haryana	6183.69	9921.50	92.71	4205.03	20402.93
Himachal Pradesh	2745.94	2224.09	0.00	768.34	5738.37
Jammu & Kashmir	699.94	5637.32	0.00	359.20	6696.46
Punjab	16231.90	8688.97	113.81	5529.79	30564.47
Rajasthan	16174.98	11400.51	369.91	2213.15	30158.55
Uttar Pradesh	18866.83	23345.22	476.87	303.53	42992.45
Uttaranchal	3066.46	2245.56	0.00	191.67	5503.69
Chandigarh	0.00	791.94	0.00	526.94	1318.88
Delhi	4803.02	17553.17	0.00	1169.39	23525.58
B.B.M.B.	8568.00	0.00	0.00	0.00	8568.00
Gujarat	40988.35	11056.29	386.00	980.04	53410.68
Madhya Pradesh	12687.70	15251.19	12.00	1369.94	29320.83
Chhattisgarh	7522.46	2685.69	1036.37	525.64	11770.16
Maharashtra	62314.23	16899.07	200.00	2662.03	82075.33
Goa	329.16	2547.79	0.00	0.00	2876.95
D. & N.Haveli	0.00	1839.90	0.00	265.00	2104.90
Daman & Diu	0.00	1186.36	0.00	0.00	1186.36
Andhra Pradesh	34196.40	16976.01	65.84	70.87	51309.12
Karnataka	22253.71	8753.65	2234.92	281.64	33523.92
Kerala	6473.17	5740.79	70.80	0.00	12284.76
Tamil Nadu	30191.76	19624.37	1444.00	226.55	51486.68
Lakshadweep	22.25	0.00	0.00	0.00	22.25
Pondicherry	259.86	1596.91	0.00	365.61	2222.38
Bihar	174.20	5582.03	0.00	737.35	6493.58
Jharkhand	3457.31	1043.12	0.00	6653.67	11154.10
Orissa	9680.96	7539.03	604.51	658.72	18483.22
West Bengal	22484.03	3778.72	0.00	4611.70	30874.45
D.V.C.	9456.84	617.67	0.00	822.30	10896.81
A. & N. Islands	125.86	0.00	0.00	0.00	125.86
Sikkim	58.57	437.93	0.00	31.92	528.42
Assam	859.40	2870.96	0.00	131.66	3862.02
Manipur	1.29	602.96	0.00	0.00	604.25
Meghalaya	635.34	585.46	0.00	69.69	1290.49
Nagaland	3.24	350.79	0.00	0.00	354.03
Tripura	546.78	581.50	0.00	0.75	1129.03
Arunachal Pradesh	2.00	404.31	0.00	0.00	406.31
Mizoram	5.64	378.25	0.00	1.64	385.53

BBMB - Bhakra Beas Management Board.

D.V.C.=Damoder Valley Corporation

Note: System loss means electrical energy loss during transformation, transmission and distribution of electrical energy for ultimate consumption within the system of State/UT including component of electrical energy unaccounted for plus T&D losses corresponding to inter system transfer.



**Table No.5.3 (Contd.)
STATEWISE SYSTEM LOSSES DURING 2004-05**

(GWh)

State/U.Ts.	ENERGY SENT OUT TO/SOLD TO				
	Ultimate consumers within the State	Other States/ DVC including outside the country	Total (7+8)	Transformation Transmission & Distribution Losses & Energy unaccounted for	
				Quantum (GWh) (6-9)	%age \$ (10/6-8)
	7	8	9	10	11
Haryana	13807.14	65.87	13873.01	6529.92	32.11
Himachal Pradesh	2954.16	1583.34	4537.50	1200.87	28.90
Jammu & Kashmir	3877.00	116.50	3993.50	2702.96	41.08
Punjab	22526.11	359.90	22886.01	7678.46	25.42
Rajasthan	16682.55	0.00	16682.55	13476.00	44.68
Uttar Pradesh	27939.25	411.86	28351.11	14641.34	34.39
Uttaranchal	3163.15	292.66	3455.81	2047.88	39.30
Chandigarh	918.29	0.00	918.29	400.59	30.37
Delhi	12773.39	133.00	12906.39	10619.19	45.40
B.B.M.B.	0.00	8484.00	8484.00	84.00	0.98
Northern Region				59381.21	36.19
Gujarat	36983.39	247.79	37231.18	16179.50	30.43
Madhya Pradesh	17201.89	17.87	17219.76	12101.07	41.30
Chhattisgarh	8050.58	579.10	8629.68	3140.48	28.06
Maharashtra	55457.02	32.32	55489.34	26585.99	32.40
Goa	1800.40	65.29	1865.69	1011.26	35.97
D. & N.Haveli	1768.21	0.00	1768.21	336.69	16.00
Daman & Diu	1001.81	0.00	1001.81	184.55	15.56
Western Region				59539.54	32.75
Andhra Pradesh	38677.24	442.91	39120.15	12188.97	23.96
Karnataka	24781.59	0.59	24782.18	8741.74	26.08
Kerala	9347.88	226.55	9574.43	2710.33	22.48
Tamil Nadu	41285.97	340.00	41625.97	9860.71	19.28
Lakshadweep	19.98	0.00	19.98	2.27	10.20
Pondicherry	1819.09	0.00	1819.09	403.29	18.15
Southern Region				33907.31	22.63
Bihar	3951.97	28.10	3980.07	2513.51	38.88
Jharkhand	8380.48	727.88	9108.36	2045.74	19.62
Orissa	7814.53	4524.38	12338.91	6144.31	44.02
West Bengal	19087.13	4162.36	23249.49	7624.96	28.54
D.V.C.	0.00	10603.81	10603.81	293.00	2.69
A. & N. Islands	109.96	0.00	109.96	15.90	12.63
Sikkim	226.70	70.54	297.24	231.18	50.49
Eastern Region				18868.60	32.29
Assam	1837.98	51.79	1889.77	1972.25	51.76
Manipur	177.59	0.00	177.59	426.66	70.61
Meghalaya	855.57	96.45	952.02	338.47	28.35
Nagaland	183.18	0.00	183.18	170.85	48.26
Tripura	380.01	189.79	569.80	559.23	59.54
Arunachal Pradesh	166.50	114.43	280.93	125.38	42.96
Mizoram	125.67	14.40	140.07	245.46	66.14
North -Eastern Region				3838.30	50.74
All India				175534.96	31.25

\$-% losses (Col. 11) in Transmission & Distribution net work corresponding to ultimate consumption within the State/UT. based on net Import/Export.



TABLE NO.5.4
SYSTEM LOSSES BY STATE ELECTRICITY BOARDS,
D.V.C. & B.B.M.B. DURING 2004-05

(GWh)

Board/ Undertaking	Net Generation in own Power Houses(other than jointly owned and Central Sector Projects)	ENERGY RECEIVED FROM			Energy available for supply (including sales out- side the States) (2+3+4+5)
		Utilities within State/jointly owned /Central Sector Projects except DVC & BBMB	Energy received from self generating Industries	Other Board/ Electric Undertakings (including DVC & BBMB/ Other countries)	
1	2	3	4	5	6
Himachal Pradesh	1291.11	3463.76	0.00	768.34	5523.21
Punjab	16231.91	8688.97	113.81	5450.79	30485.48
B.B.M.B	8568.00	0.00	0.00	0.00	8568.00
Gujarat	19875.00	25858.94	386.00	980.04	47099.98
Madhya Pradesh	12835.51	15289.95	12.00	1369.94	29507.40
Chhattisgarh	7522.46	2685.69	1036.37	525.64	11770.16
Maharashtra	47169.43	17794.43	200.00	2662.03	67825.89
Kerala	6344.00	5867.77	70.80	0.00	12282.57
Tamil Nadu	24472.00	24065.07	1444.00	226.55	50207.62
Bihar	122.70	5633.53	0.00	737.35	6493.58
Jharkhand	820.90	1848.46	0.00	3084.87	5754.23
West Bengal	528.07	17796.57	0.00	1927.88	20252.52
D.V.C.	9456.84	617.67	0.00	822.30	10896.81
Assam	720.94	3009.42	0.00	131.66	3862.02
Meghalaya	635.34	585.46	0.00	69.69	1290.49

B.B.M.B. -Bhakra Beas Management Board

D.V.C.- Damodar Valley Corporation.



**TABLE NO.5.4 (Contd.)
SYSTEM LOSSES BY STATE ELECTRICITY BOARDS,
D.V.C. & B.B.M.B. DURING 2004-05**

Board/ Undertaking	ENERGY SOLD TO					(GWh)	
	Ultimate consumers	Licensees within the State	Other Boards/ Undertakings D.V.C./other countries	Total sold (7+8+9)	Transformation, Trans- mission & Distribution losses and energy unaccounted for	(GWh) (6-10)	% age \$ (11/6-9)
	7	8	9	10	11	12	
Himachal Pradesh	2954.16	0.00	1583.34	4537.50	985.71	25.02	
Punjab	22414.11	0.00	359.90	22774.01	7711.47	25.60	
B.B.M.B	0.00	0.00	8484.00	8484.00	84.00	0.98	
Gujarat	29258.00	3604.00	247.79	33109.79	13990.19	29.86	
Madhya Pradesh	16818.39	490.12	17.87	17326.38	12181.02	41.31	
Chhattisgarh	8050.58	0.00	579.10	8629.68	3140.48	28.06	
Maharashtra	42943.37	550.00	32.32	43525.69	24300.20	35.84	
Kerala	9247.31	125.37	226.55	9599.23	2683.34	22.26	
Tamil Nadu	40298.00	0.00	340.00	40638.00	9569.62	19.19	
Bihar	3951.97	0.00	28.10	3980.07	2513.51	38.88	
Jharkhand	3053.72	0.00	727.88	3781.60	1972.63	39.25	
West Bengal	9506.18	868.64	4319.30	14694.12	5558.40	34.89	
D.V.C.	0.00	0.00	10603.81	10603.81	293.00	2.69	
Assam	1837.98	0.00	51.79	1889.77	1972.25	51.76	
Meghalaya	855.57	0.00	96.45	952.02	338.47	28.35	

\$ -% losses (Col. 12) in Transmission & Distribution net work corresponding to ultimate consumption within the State/UT. based on net Import/Export.



Table No.5.5
AUXILIARY CONSUMPTION (UTILITIES ONLY)PRIMEOVERWISE
REGIONWISE/STATEWISE DURING 2004-05

<i>Name of the State/U.Ts.</i>	<i>Total Gross Generation (GWh)</i>	<i>Net Generation (GWh)</i>	<i>Total Auxiliary Consumption (GWh)</i>	<i>% of Gross Generation</i>
Haryana	9847.31	9075.58	771.73	7.84
Himachal Pradesh	2754.36	2745.94	8.42	0.31
Jammu & Kashmir	710.72	699.94	10.78	1.52
Punjab	21677.55	20268.76	1408.79	6.50
Rajasthan	20985.80	19281.14	1704.66	8.12
Uttar Pradesh	20911.42	18866.83	2044.59	9.78
Uttaranchal	3113.13	3066.46	46.67	1.50
Chandigarh	0.00	0.00	0.00	0.00
Delhi	5476.41	5204.69	271.72	4.96
Central Sector	84667.00	79626.65	5040.35	5.95
Sub-Total(NR)	170143.70	158835.99	11307.71	6.65
Gujarat	44230.80	41029.84	3200.96	7.24
Madhya Pradesh	15975.24	14636.41	1338.83	8.38
Chhattisgarh	8307.60	7522.46	785.14	9.45
Maharashtra	67078.27	62459.97	4618.30	6.88
Goa	336.16	329.16	7.00	0.00
D. & N. Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Central Sector	48156.34	45049.26	3107.08	6.45
Sub-Total(WR)	184084.41	171027.10	13057.31	7.09
Andhra Pradesh	37305.14	34943.38	2361.76	6.33
Karnataka	23515.43	22283.24	1232.19	5.24
Kerala	6514.95	6473.17	41.78	0.64
Tamil Nadu	32229.72	30191.76	2037.96	6.32
Lakshadweep	22.61	22.25	0.36	1.59
Pondicherry	275.41	259.86	15.55	5.65
Central Sector	46623.64	42851.52	3772.12	8.09
Sub-Total(SR)	146486.90	137025.18	9461.72	6.46
Bihar	206.99	174.20	32.79	15.84
Jharkhand	4168.29	3457.31	710.98	17.06
Orissa	10307.96	9950.46	357.50	3.47
West Bengal	24888.26	22484.03	2404.23	9.66
D.V.C.	10845.28	9456.84	1388.44	12.80
A. & N. Islands	129.60	125.86	3.74	2.89
Sikkim	58.83	58.57	0.26	0.44
Central Sector	35203.03	32456.52	2746.51	7.80
Sub-Total(ER)	85808.24	78163.79	7644.45	8.91
Assam	903.24	859.40	43.84	4.85
Manipur	1.32	1.29	0.03	0.00
Meghalaya	637.65	635.34	2.31	0.36
Nagaland	3.50	3.24	0.26	7.43
Tripura	554.76	546.78	7.98	1.44
Arunachal Pradesh	2.00	2.00	0.00	0.00
Mizoram	5.81	5.64	0.17	2.93
Central Sector	5824.67	5760.24	64.43	1.11
Sub-Total(NER)	7932.95	7813.93	119.02	1.50
Total (All India)	594456.20	552865.99	41590.21	7.00

Note: Gross generation of a State includes generation from own power houses within the State under State & Private Sectors and theoretical shares from jointly owned power projects & BBMB.



**Table No.5.5 (Contd.)
AUXILIARY CONSUMPTION (UTILITIES ONLY)PRIMEOVERWISE
REGIONWISE/STATEWISE DURING 2004-05**

Name of the State/U.Ts.	Hydro Gross Generation (GWh)	Net Generation (GWh)	Auxiliary Consumption (GWh)	% of Gross Generation
Haryana	2990.43	2979.01	11.42	0.38
Himachal Pradesh	2754.36	2745.94	8.42	0.31
Jammu & Kashmir	686.98	676.67	10.31	1.50
Punjab	7293.15	7223.77	69.38	0.95
Rajasthan	2623.96	2615.62	8.34	0.32
Uttar Pradesh	1207.62	1203.35	4.27	0.35
Uttaranchal	3113.13	3066.46	46.67	1.50
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Central Sector	15457.90	15361.49	96.41	0.62
Sub-Total(NR)	36127.53	35872.31	255.22	0.71
Gujarat	872.75	865.46	7.29	0.84
Madhya Pradesh	2433.88	2428.77	5.11	0.21
Chhattisgarh	382.61	380.21	2.40	0.63
Maharashtra	5588.48	5547.38	41.10	0.74
Goa	0.00	0.00	0.00	0.00
D. & N. Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Central Sector	1331.85	1324.70	7.15	0.54
Sub-Total(WR)	10609.57	10546.52	63.05	0.59
Andhra Pradesh	5514.76	5489.70	25.06	0.45
Karnataka	8935.47	8818.87	116.60	1.30
Kerala	6081.50	6057.34	24.16	0.40
Tamil Nadu	4419.31	4399.91	19.40	0.44
Lakshadweep	0.00	0.00	0.00	0.00
Pondicherry	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(SR)	24951.04	24765.82	185.22	0.74
Bihar	53.50	51.50	2.00	3.74
Jharkhand	148.74	148.50	0.24	0.16
Orissa	7142.54	7112.26	30.28	0.42
West Bengal	530.39	527.46	2.93	0.55
D.V.C.	259.91	256.90	3.01	1.16
A. & N. Islands	6.80	6.46	0.34	5.00
Sikkim	58.67	58.42	0.25	0.43
Central Sector	369.73	368.99	0.74	0.20
Sub-Total(ER)	8570.28	8530.49	39.79	0.46
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	637.65	635.34	2.31	0.36
Nagaland	3.40	3.16	0.24	7.06
Tripura	68.11	67.43	0.68	1.00
Arunachal Pradesh	2.00	2.00	0.00	0.00
Mizoram	5.13	4.96	0.17	3.31
Central Sector	3635.67	3620.56	15.11	0.42
Sub-Total(NER)	4351.96	4333.45	18.51	0.43
Total (All India)	84610.38	84048.59	561.79	0.66



**Table No.5.5 (Contd.)
AUXILIARY CONSUMPTION (UTILITIES ONLY)PRIMEOVERWISE
REGIONWISE/STATEWISE DURING 2004-05**

Name of the State/U.Ts.	Steam Gross Generation (GWh)	Net Generation (GWh)	Auxiliary Consumption (GWh)	% of Gross Generation
Haryana	6856.88	6096.57	760.31	11.09
Himachal Pradesh	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.00	0.00	0.00	0.00
Punjab	14384.40	13044.99	1339.41	9.31
Rajasthan	17641.59	15970.77	1670.82	9.47
Uttar Pradesh	19703.80	17663.48	2040.32	10.35
Uttaranchal	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00
Delhi	1385.21	1209.17	176.04	12.71
Central Sector	46183.90	42419.45	3764.45	8.15
Sub-Total(NR)	106155.78	96404.43	9751.35	9.19
Gujarat	30122.16	27142.46	2979.70	9.89
Madhya Pradesh	13502.60	12168.88	1333.72	9.88
Chhattisgarh	7924.99	7142.25	782.74	9.88
Maharashtra	55544.24	51092.13	4452.11	8.02
Goa	0.00	0.00	0.00	0.00
D. & N. Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Central Sector	34870.38	32491.74	2378.64	6.82
Sub-Total(WR)	141964.37	130037.46	11926.91	8.40
Andhra Pradesh	23359.70	21235.74	2123.96	9.09
Karnataka	12697.68	11627.92	1069.76	8.42
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	21358.71	19515.44	1843.27	8.63
Lakshadweep	0.00	0.00	0.00	0.00
Pondichery	0.00	0.00	0.00	0.00
Central Sector	41593.90	38347.02	3246.88	7.81
Sub-Total (SR)	99009.99	90726.12	8283.87	8.37
Bihar	153.49	122.70	30.79	20.06
Jharkhand	4019.55	3308.81	710.74	17.68
Orissa	3165.42	2838.20	327.22	10.34
West Bengal	24356.79	21955.51	2401.28	9.86
D.V.C.	10585.37	9199.94	1385.43	13.09
A. & N. Islands	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
Central Sector	34833.30	32087.53	2745.77	7.88
Sub-Total(ER)	77113.92	69512.69	7601.23	9.86
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00
Arunachal Pradesh	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(NER)	0.00	0.00	0.00	0.00
Total (All India)	424244.06	386680.70	37563.36	8.85



**Table No.5.5 (Contd.)
AUXILIARY CONSUMPTION (UTILITIES ONLY)PRIMEOVERWISE
REGIONWISE/STATEWISE DURING 2004-05**

Name of the State/U.Ts.	Diesel Gross Generation (GWh)	Net Generation (GWh)	Auxiliary Consumption (GWh)	% of Gross Generation
Haryana	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.00	0.00	0.00	0.00
Punjab	0.00	0.00	0.00	0.00
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttaranchal	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(NR)	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	0.00
Madhya Pradesh	0.00	0.00	0.00	0.00
Chhattisgarh	0.00	0.00	0.00	0.00
Maharashtra	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
D. & N. Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(WR)	0.00	0.00	0.00	0.00
Andhra Pradesh	0.00	0.00	0.00	0.00
Karnataka	554.96	540.26	14.70	2.65
Kerala	312.06	300.64	11.42	3.66
Tamil Nadu	1544.30	1500.04	44.26	2.87
Lakshadweep	22.61	22.25	0.36	1.59
Pondicherry	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(SR)	2433.93	2363.19	70.74	2.91
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00
West Bengal	0.63	0.61	0.02	3.17
D.V.C.	0.00	0.00	0.00	0.00
A. & N. Islands	122.80	119.40	3.40	2.77
Sikkim	0.16	0.15	0.01	6.25
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(ER)	123.59	120.16	3.43	2.78
Assam	0.00	0.00	0.00	0.00
Manipur	1.32	1.29	0.03	2.27
Meghalaya	0.00	0.00	0.00	0.00
Nagaland	0.10	0.08	0.02	20.00
Tripura	0.00	0.00	0.00	0.00
Arunachal Pradesh	0.00	0.00	0.00	0.00
Mizoram	0.68	0.68	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(NER)	2.10	2.05	0.05	2.38
Total (All India)	2559.62	2485.40	74.22	2.90



**Table No.5.5 (Contd.)
AUXILIARY CONSUMPTION (UTILITIES ONLY)PRIMEOVERWISE
REGIONWISE/STATEWISE DURING 2004-05**

Name of the State/U.Ts.	Gas Gross Generation (GWh)	Net Generation (GWh)	Auxiliary Consumption (GWh)	% of Gross Generation
Haryana	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
Jammu & Kashmir	23.74	23.27	0.47	1.98
Punjab	0.00	0.00	0.00	0.00
Rajasthan	353.85	328.35	25.50	7.21
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttaranchal	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00
Delhi	4091.20	3995.52	95.68	2.34
Central Sector	15522.20	15168.71	353.49	2.28
Sub-Total(NR)	19990.99	19515.85	475.14	2.38
Gujarat	12885.89	12671.92	213.97	1.66
Madhya Pradesh	0.00	0.00	0.00	0.00
Chhattisgarh	0.00	0.00	0.00	0.00
Maharashtra	5450.19	5325.10	125.09	2.30
Goa	336.16	329.16	7.00	2.08
D. & N. Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Central Sector	6854.11	6702.82	151.29	2.21
Sub-Total(WR)	25526.35	25029.00	497.35	1.95
Andhra Pradesh	8269.89	8057.15	212.74	2.57
Karnataka	661.40	630.27	31.13	4.71
Kerala	118.89	112.69	6.20	5.21
Tamil Nadu	2481.10	2350.07	131.03	5.28
Lakshadweep	0.00	0.00	0.00	0.00
Pondicherry	275.41	259.86	15.55	5.65
Central Sector	621.74	596.50	25.24	4.06
Sub-Total(SR)	12428.43	12006.54	421.89	3.39
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
D.V.C.	0.00	0.00	0.00	0.00
A. & N. Islands	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(ER)	0.00	0.00	0.00	0.00
Assam	903.24	859.40	43.84	4.85
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	486.65	479.35	7.30	1.50
Arunachal Pradesh	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Central Sector	2189.00	2139.68	49.32	2.25
Sub-Total(NER)	3578.89	3478.43	100.46	2.81
Total (All India)	61524.66	60029.82	1494.84	2.43



**Table No.5.5 (Contd.)
AUXILIARY CONSUMPTION (UTILITIES ONLY)PRIMEOVERWISE
REGIONWISE/STATEWISE DURING 2004-05**

Name of the State/U.Ts.	Nuclear Gross Generation (GWh)	Net Generation (GWh)	Auxiliary Consumption (GWh)	% of Gross Generation
Haryana	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.00	0.00	0.00	0.00
Punjab	0.00	0.00	0.00	0.00
Rajasthan	0.00	0.00	0.00	0.00
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttaranchal	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Central Sector	7503.00	6677.00	826.00	11.01
Sub-Total(NR)	7503.00	6677.00	826.00	11.01
Gujarat	0.00	0.00	0.00	0.00
Madhya Pradesh	0.00	0.00	0.00	0.00
Chhattisgarh	0.00	0.00	0.00	0.00
Maharashtra	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
D. & N. Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Central Sector	5100.00	4530.00	570.00	11.18
Sub-Total(WR)	5100.00	4530.00	570.00	11.18
Andhra Pradesh	0.00	0.00	0.00	0.00
Karnataka	0.00	0.00	0.00	0.00
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00
Pondicherry	0.00	0.00	0.00	0.00
Central Sector	4408.00	3908.00	500.00	11.34
Sub-Total(SR)	4408.00	3908.00	500.00	11.34
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
D.V.C.	0.00	0.00	0.00	0.00
A. & N. Islands	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(ER)	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00
Arunachal Pradesh	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(NER)	0.00	0.00	0.00	0.00
Total (All India)	17011.00	15115.00	1896.00	11.15



**Table No.5.5 (Contd.)
AUXILIARY CONSUMPTION (UTILITIES ONLY) PRIMEMOVERWISE
REGIONWISE/STATEWISE DURING 2004-05**

<i>Name of the State/U.Ts.</i>	<i>Renewable Energy Sources Gross Generation (GWh)</i>	<i>Net Generation (GWh)</i>	<i>Auxiliary Consumption (GWh)</i>	<i>% of Gross Generation</i>
Haryana	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.00	0.00	0.00	0.00
Punjab	0.00	0.00	0.00	0.00
Rajasthan	366.40	366.40	0.00	0.00
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttaranchal	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(NR)	366.40	366.40	0.00	0.00
Gujarat	350.00	350.00	0.00	0.00
Madhya Pradesh	38.76	38.76	0.00	0.00
Chhattisgarh	0.00	0.00	0.00	0.00
Maharashtra	495.36	495.36	0.00	0.00
Goa	0.00	0.00	0.00	0.00
D. & N. Haveli	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(WR)	884.12	884.12	0.00	0.00
Andhra Pradesh	160.79	160.79	0.00	0.00
Karnataka	665.92	665.92	0.00	0.00
Kerala	2.50	2.50	0.00	0.00
Tamil Nadu	2426.30	2426.30	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00
Pondichery	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(SR)	3255.51	3255.51	0.00	0.00
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Orissa	0.00	0.00	0.00	0.00
West Bengal	0.45	0.45	0.00	0.00
D.V.C.	0.00	0.00	0.00	0.00
A.& N. Islands	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(ER)	0.45	0.45	0.00	0.00
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00
Arunachal Pradesh	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(NER)	0.00	0.00	0.00	0.00
Total (All India)	4506.48	4506.48	0.00	0.00



Table No. 5.6
ENERGY OFFTAKES BY STATES IN JOINTLY OWNED POWER STATIONS DURING 2004-05

<i>Name of the Power Station</i>	<i>Energy Generated</i>		<i>Energy offtake by States*</i>	
	<i>Gross</i>	<i>Net</i>		
Bhakra Nangal Complex (Hydro)	4550.00	4539.00	Haryana	2386.00
			Punjab SEB	3425.00
Dehar (hydro)	3152.00	3137.00	Rajasthan	1875.00
			Jammu & Kashmir	0.00
			Himachal Pradesh	204.00
Pong (Hydro)	894.00	892.00	Chandigarh	515.00
			Irrigation Wing	43.00
Total (BBMB)	8596.00	8568.00	N.F.L	36.00
			BBMB(system Losses)	84.00
			Total (BBMB)	8568.00
INDRAPRASTHA EXTN.				
(Steam) (2,3,4)	687.89	602.48	Delhi	401.67
			Haryana	200.81
CHAMBAL PROJECTS				
Gandhi Sagar (Hydro)	343.02	342.12		
Jawahar Sagar(Hydro)	280.28	279.94		
Rana Pratap Sagar(Hydro)	377.28	376.74	Madhya Pradesh	1649.45
Total Chambal Projects	1000.58	998.80	Rajasthan	1266.10
Satpura(Steam)	2121.37	1916.75		
Machkund(Hydro)	900.64	898.36	Andhra Pradesh	506.97
			Orissa	391.39
Tungabhadra Dam & Hampi(Hydro)	148.32	147.66	Andhra Pradesh	120.64
			Karnataka	27.02
Pench(Hydro)	227.60	227.17	Madhya Pradesh	151.45
			Maharashtra	75.72
Sardar Sarovar	260.70	259.32	Gujarat	56.85
			Madhya Pradesh	145.62
			Maharashtra	56.85

* Including losses & excluding BBMB System.
BBMB: Bhakra Beas Management Board.
NFF: National Fertilizer Factory, Nangal Dam.



Table No.5.7
ENERGY OFFTAKES BY STATES FROM CENTRAL
SECTOR PLANTS, DVC & STATE GOVT. PLANTS DURING 2004-05

<i>Name of the Power Station</i>	<i>Installed capacity (MW)</i>	<i>Energy generated (GWh)</i>		<i>Energy Offtake by States including losses (GWh)</i>	
		<i>Gross</i>	<i>Net</i>		
Dadri(gas)	817.00	5456.65	5319.02	Haryana	320.86
				Himachal Pradesh	166.90
				Jammu & Kashmir	483.16
				Punjab	771.27
				Rajasthan	543.07
				Uttar Pradesh	1865.54
				Chandigarh	55.31
				Delhi	562.55
				Uttaranchal	132.39
				N.Railway	417.97
Tanakpur (Hydro)	120.00	495.17	492.02	Haryana	28.12
				Jammu & Kashmir	35.45
				Punjab	79.91
				Rajasthan	52.38
				Uttar Pradesh	101.52
				Delhi	57.72
				Himachal Pradesh	17.10
				Chandigarh	5.15
				Uttaranchal	74.51
				Nepal	40.16
Chamera H.E.P	840.00	3452.29	3441.19	Haryana	358.64
				Himachal Pradesh	491.34
				Jammu & Kashmir	116.96
				Punjab	612.24
				Rajasthan	677.41
				Uttar Pradesh	534.85
				Delhi	473.10
				Chandigarh	102.46
				Uttaranchal	74.19
				Uri HEPS	480.00
Himachal Pradesh	59.44				
Jammu & Kashmir	746.04				
Punjab	301.41				
Rajasthan	196.56				
Uttar Pradesh	439.30				
Delhi	242.92				
Chandigarh	12.82				
Uttaranchal	76.93				



**Table No.5.7 (Contd.)
ENERGY OFFTAKES BY STATES FROM CENTRAL
SECTOR PLANTS, DVC & STATE GOVT. PLANTS DURING 2004-05**

Name of the Power Station	Installed capacity (MW)	Energy generated (GWh)		Energy Offtake by States including losses (GWh)	
		Gross	Net		
Satluj Jal Vidyut (Nathpa Jhakri)	1500.00	5170.83	5108.78	Haryana	957.59
				Himachal Pradesh	482.64
				Jammu & Kashmir	109.43
				Punjab	657.43
				Rajasthan	758.23
				Uttar Pradesh	837.28
				Delhi	1273.61
				Chandigarh	32.57
National Capital TPP	840.00	6831.29	6329.20	Rajasthan	187.55
				Uttar Pradesh	843.15
				Delhi	5298.50
Badarpur TPS	720.00	5462.59	4916.43	Delhi	4916.43
Baira Siul(Hydro)	180.00	689.68	687.21	Delhi	76.52
				Himachal Pradesh	84.02
				Haryana	208.69
				Punjab	317.98
Singrauli (STPS)	2000.00	15803.29	14703.97	Jammu & Kashmir	317.00
				Haryana	1954.97
				Rajasthan	2630.27
				Delhi	1257.22
				Uttar Pradesh	5897.37
				Himachal Pradesh	84.30
				Chandigarh	111.16
				Punjab	1702.87
				Uttaranchal	748.81
Salal (Hydro (St.I+II)	690.00	3443.28	3437.98	Himachal Pradesh	33.71
				Punjab	914.33
				Haryana	516.06
				Delhi	398.51
				Jammu & Kashmir	1185.07
				Rajasthan	100.58
				Uttar Pradesh	238.91
				Chandigarh	8.50
Uttaranchal	42.31				



Table No.5.7 (Contd.)
ENERGY OFFTAKES BY STATES FROM CENTRAL
SECTOR PLANTS, DVC & STATE GOVT. PLANTS DURING 2004-05

<i>Name of the Power Station</i>	<i>Installed capacity (MW)</i>	<i>Energy generated (GWh)</i>		<i>Energy Offtake by States including losses (GWh)</i>	
		<i>Gross</i>	<i>Net</i>		
Rihand (STPS)	1000.00	7988.11	7350.95	Haryana	720.35
				Himachal Pradesh	299.16
				Jammu & Kashmir	672.53
				Punjab	919.32
				Rajasthan	911.45
				Uttar Pradesh	2573.98
				Delhi	815.24
				Chandigarh	129.52
				Uttaranchal	309.40
R.A.P.P.(Nuclear)	740.00	4743.00	4237.00	Haryana	270.00
				Himachal Pradesh	0.00
				Jammu & Kashmir	514.00
				Punjab	470.00
				Rajasthan	2209.00
				Uttar Pradesh	282.00
				Delhi	218.00
				Chandigarh	19.00
				Uttaranchal	0.00
Unchahar (Steam)	840.00	6781.09	6199.39	MPSEB(WR)	255.00
				Haryana	386.67
				Himachal Pradesh	161.48
				Jammu & Kashmir	416.38
				Punjab	769.13
				Rajasthan	548.04
				Uttar Pradesh	2890.97
				Delhi	567.68
				Chandigarh	69.07
Uttaranchal	389.97				
Anta (Gas)	413.00	2785.30	2710.17	Haryana	234.40
				Himachal Pradesh	107.14
				Jammu & Kashmir	276.65
				Punjab	339.71
				Rajasthan	587.40
				Uttar Pradesh	715.07
				Delhi	291.10
				Chandigarh	55.29
				Uttaranchal	103.41



**Table No.5.7 (Contd.)
ENERGY OFFTAKES BY STATES FROM CENTRAL
SECTOR PLANTS, DVC & STATE GOVT. PLANTS DURING 2004-05**

Name of the Power Station	Installed capacity (MW)	Energy generated (GWh)		Energy Offtake by States including losses (GWh)	
		Gross	Net		
Auraiya (Gas)	652.00	4118.50	4039.98	Haryana	311.94
				Himachal Pradesh	143.84
				Jammu & Kashmir	367.98
				Punjab	518.36
				Rajasthan	420.47
				Uttar Pradesh	1470.08
				Delhi	414.41
				Chandigarh	53.96
				Uttaranchal	155.48
				Bihar	0.00
				Madhya Pradesh	0.00
				N.Railway	183.46
				N.A.P.P.(Nuclear)	440.00
Himachal Pradesh	93.00				
Jammu & Kashmir	236.00				
Punjab	315.00				
Rajasthan	312.00				
Uttar Pradesh	818.00				
Delhi	288.00				
Chandigarh	46.00				
Uttaranchal	98.00				
T.A.P.P.(Nuclear)	420.00	2587.00	2352.00	Gujarat	1152.00
				Maharashtra	1152.00
				HWP	48.00
Kakrapar(Nuclear)	340.00	2513.00	2178.00	Gujarat	681.00
				Chhattisgarh	72.00
				Maharashtra	1067.00
				Daman & Diu	43.00
				Dadra & Nagar	77.00
				Madhya Pradesh	238.00
Gandhar(CCGT&CCST)	648.00	4031.71	3949.69	Gujarat	1558.60
				Madhya Pradesh	827.12
				Maharashtra	1340.58
				D & Nagar Haveli	136.26
				Daman & Diu	71.98
				Chhattisgarh	15.15



**Table No.5.7 (Contd.)
ENERGY OFFTAKES BY STATES FROM CENTRAL
SECTOR PLANTS, DVC & STATE GOVT. PLANTS DURING 2004-05**

<i>Name of the Power Station</i>	<i>Installed capacity (MW)</i>	<i>Energy generated (GWh)</i>		<i>Energy Offtake by States including losses (GWh)</i>	
		<i>Gross</i>	<i>Net</i>		
Kayamkulam	350.00	621.74	596.50	Kerala	54.26
				Tamil Nadu	542.24
Tanda	440.00	3317.58	2919.56	Uttar Pradesh	2919.56
Faridabad(CCGT)	430.00	3161.73	3099.49	Haryana	3099.49
Kaiga APP	440.00	2926.00	2608.00	Karnataka	779.00
				Kerala	341.00
				Tamil Nadu	1418.00
				Pondicherry	70.00
Korba STPS	2100.00	17049.53	15925.27	Madhya Pradesh	3077.31
				Maharashtra	5124.72
				Gujarat	3065.10
				Chhattisgarh	2074.38
				Goa	1599.31
				D. & N Haveli	482.17
				Daman & Diu	502.28
Vindhyachal STPS	2260.00	17820.85	16566.47	Gujarat	3934.33
				Madhya Pradesh	5079.01
				Chhattisgarh	398.10
				Maharashtra	5919.50
				Goa	348.75
				Daman & Diu	306.84
				Dadra & Nagar Haveli	579.94
Kawas	644.00	2822.40	2753.13	Gujarat	176.19
				Madhya Pradesh	757.32
				Chhattisgarh	22.83
				Maharashtra	1420.45
				Goa	0.00
				Daman & Diu	77.72
				Dadra & Nagar Haveli	298.62
Indira Sagar(NHDC)	1000.00	1331.85	1324.70	Madhya Pradesh	1324.70
Ramagundam S.T.P.S.	2100.00	16725.78	15621.84	Andhra Pradesh	5106.39
				Karnataka	3086.18
				Kerala	2290.15
				Tamil Nadu	3901.66
				Goa (WR)	599.72
				Pondicherry	500.58
				Daman & Diu	27.30
				Dadra & Nagar Haveli	109.86



**Table No.5.7 (Contd.)
ENERGY OFFTAKES BY STATES FROM CENTRAL
SECTOR PLANTS, DVC & STATE GOVT. PLANTS DURING 2004-05**

Name of the Power Station	Installed capacity (MW)	Energy generated (GWh)		Energy Offtake by States including losses (GWh)	
		Gross	Net		
Neyveli-I (Steam)	600.00	4259.05	3772.88	Tamil Nadu	3772.88
Neyveli-II(Steam)	1470.00	9248.44	8343.73	Andhra Pradesh	1557.47
				Karnataka	1925.47
				Kerala	994.83
				Tamil Nadu	3344.05
				Pondicherry	521.91
Kalpakkam (Nuclear)	340.00	1482.00	1300.00	Andhra Pradesh	113.00
				Karnataka	92.00
				Kerala	76.00
				Tamil Nadu	1002.00
				Pondicherry	17.00
A.P.Gas Power Corpn.	99.00	1992.37	1940.40	Andhra Pradesh	1940.40
Neyveli TPS Expn.-1	210.00	3237.92	2944.83	Kerala	468.68
				Tamil Nadu	1606.47
				Karnataka	755.00
				Pondicherry	114.68
Sone East&West Canal	9.90	26.50	25.60	Bihar	25.60
E.Gandak Canal	15.00	25.00	24.00	Bihar	24.00
Tenughat(Jharkhand)	420.00	1325.50	1206.20	Jharkhand	1206.20
I.B.Valley(OPGC)	420.00	3165.42	2838.20	Orissa	2838.20
NTPC's Stations in Eastern Region	4910.00	34833.30	32087.53	Bihar	5479.27
				Orissa	6987.50
				West Bengal	3649.65
				Kerala	1515.87
				D.V.C	781.86
				Gujarat	432.24
				Andhra Pradesh	1907.80
				Assam	13.99
				Madhya Pradesh	1746.20
				Maharashtra	694.25
				Karnataka	2088.98
				Uttar Pradesh	316.14
				Tamil Nadu	4037.07
				Pondicherry	372.74
				Jammu & Kashmir	160.67
				Chandigarh	91.14
				Jharkhand	1022.67
				Sikkim	372.96
				D N & H	156.05
				Daman & Diu	157.24
				Chhattisgarh	103.24



**Table No.5.7 (Contd.)
ENERGY OFFTAKES BY STATES FROM CENTRAL
SECTOR PLANTS, DVC & STATE GOVT. PLANTS DURING 2004-05**

<i>Name of the Power Station</i>	<i>Installed capacity (MW)</i>	<i>Energy generated</i>		<i>Energy Offtake by States including losses (GWh)</i>	
		<i>(GWh) Gross</i>	<i>Net</i>		
Karaikal(PPCL)	32.50	275.41	259.86	Poncicherry	259.86
Simhadri STPS	1000.00	8122.71	7663.74	Andhra Pradesh	7663.74
Durgapur Projects Ltd.	395.00	2028.80	1836.06	West Bengal	1836.06
WBPDC	2910.00	15050.76	13486.40	West Bengal	13486.40
D.V.C.	2871.50	10845.28	9456.84(A)	Orissa	416.00
				Jharkhand	6443.36
				West Bengal	3423.46
				N.T.P.C./PGCIL	464.03
				Haryana	37.46
				Punjab	64.40
				Rajasthan	91.70
				Chandigarh	10.67
				Gujarat	115.38
				Madhya Pradesh	217.72
				Chhattisgarh	40.16
				Maharashtra	173.00
				Andhra Pradesh	41.79
				Karnataka	12.30
Rangit	60.00	369.73	368.99	Bihar	102.76
				WBSEB	129.07
				Sikkim	64.97
				D.V.C.	51.74
				Jharkhand	20.45
N E E P C O	1105.00	5195.00	5133.04	Assam	2695.37
				Manipur	455.31
				Meghalaya	522.34
				Nagaland	310.33
				Tripura	494.72
				Mizoram	337.44
				Arunachal Pradesh	317.53
Loktak (Hydro)	105.00	629.67	627.20	Assam.	161.60
				Manipur	206.96
				Nagaland	40.46
				Tripura	86.78
				Arunachal Pradesh	27.47
				Mizoram	40.81
				Meghalaya	63.12

Note:- (A) Net generation does not tally with the total energy offtake by states as it includes energy purchase.



Table No. 5.8
INTER-STATE TRANSFERS OF ELECTRICAL ENERGY
DURING 2004-05

<i>Name of the supplier</i>	<i>Name of the Purchaser</i>	<i>Energy Transferred (GWh)</i>
NORTHERN REGION		
Haryana V.P.N.L	Himachal Pradesh S.E.B.	11.87
Haryana V.P.N.L	Delhi Transco Limited	54.00
Himachal Pradesh S.E.B.	Haryana V.P.N	316.94
Himachal Pradesh S.E.B.	Delhi Transco Limited	1107.00
Himachal Pradesh S.E.B.	Punjab S.E.B.	159.40
J&K S.E.B.	Punjab S.E.B.	116.50
Punjab S.E.B.	Himachal Pradesh S.E.B.	174.60
Punjab S.E.B.	Uttaranchal Power Corpn.	185.30
Uttaranchal Power Corpn.	Punjab S.E.B.	233.10
Delhi Transco Limited	Haryana V.P.N	133.00
Uttar Pradesh Power Corpn	Himachal Pradesh S.E.B.	377.87
WESTERN REGION		
Gujarat Electy. Board	M.P.E.B.	80.69
Gujarat Electy. Board	Maharashtra S.E.B.	19.80
Gujarat Electy. Board	ChhattisgarhS.E.B.	27.54
ChhattisgarhS.E.B.	Gujarat Electy. Board	90.80
M.P.E.B.	Gujarat Electy. Board	9.36
ChhattisgarhS.E.B.	Dadra & Nagar Haveli	265.00
Maharashtra S.E.B.	M.P.E.B.	7.75
Goa	Gujarat Electy. Board	17.91
Goa	M.P.E.B.	47.38
SOUTHERN REGION		
Kerala S.E.B.	Tamil Nadu SEB	200.94
Tamil Nadu S.E.B.	Pondicherry	340.00
Kerala S.E.B.	Pondicherry	25.61
AP TRANSCO	KPTCL	9.30
EASTERN REGION		
GRIDCO	Jharkhand S.E.B.	142.04
GRIDCO	West Bengal S.E.B.	44.75
Jharkhand S.E.B.	Bihar SEB	287.20
Jharkhand S.E.B.	Damodar Valley Corpn.	440.68
GRIDCO	Damodar Valley Corpn.	23.98
Tata Power	DVC	104.85
West Bengal S.E.B.	Damodar Valley Corpn.	156.94
DSP(Wheeling)	Damodar Valley Corpn.	95.85
Damodar Valley Corpn.	GRIDCO	416.00
Damodar Valley Corpn.	Jharkhand S.E.B.	2779.49
Damodar Valley Corpn.	West Bengal S.E.B. & DPL	1203.67
Damodar Valley Corpn.	Licencees in West Bengal	610.59
Damodar Valley Corpn.	Direct to consumersin Jharkhand area	3584.21
Damodar Valley Corpn.	Direct to consumersin West Bengal area	1545.82
Damodar Valley Corpn.	N.T.P.C.	464.03



**Table No.5.8 (Contd.)
INTER-STATE TRANSFERS OF ELECTRICAL ENERGY
DURING 2004-05**

<i>Name of the Supplier</i>	<i>Name of the Purchaser</i>	<i>Energy Transferred (GWh)</i>
NORTH EASTERN REGION		
Meghalaya S.E.B.	Assam S.E.B.	7.40
Meghalaya S.E.B.	Tripura	0.75
Tripura	Mizoram	1.64
Tripura	Assam S.E.B.	47.90
Tripura	Meghalaya S.E.B.	37.19
Arunachal Pradesh	Meghalaya S.E.B.	2.79
INTER-REGIONAL TRANSFER OF ENERGY		
NORTHERN REGION		
UPPCL	WESTERN REGION	
Uttaranchal Power Corpn.	M.P.S.E.B.	33.99
	Gujarat Electricity Board	19.40
WESTERN REGION		
Gujarat Electricity Board	NORTHERN REGION	
Gujarat Electricity Board	Haryana V.P.N.L.	20.98
M.P.S.E.B.	Punjab SEB	96.38
Chhattisgarh SEB	Punjab SEB	8.51
Maharashtra SEB	Haryana V.P.N.L.	223.30
	Rajasthan VPNL	24.57
WESTERN REGION		
Gujarat Electricity Board	SOUTHERN REGION	
	KPTCL	2.40
SOUTHERN REGION		
A.P.TRANSCO	NORTHERN REGION	
A.P.TRANSCO	Haryana V.P.N.L.	3.50
A.P.TRANSCO	Punjab SEB	97.81
A.P.TRANSCO	Rajasthan VPNL	10.12
A.P.TRANSCO	Delhi Transco Limited	8.39
KPTCL	Punjab SEB	0.59
SOUTHERN REGION		
A.P.TRANSCO	WESTERN REGION	
A.P.TRANSCO	Gujarat Electricity Board	16.40
A.P.TRANSCO	MPSEB	100.63
A.P.TRANSCO	Maharashtra S.E.B.	90.19
A.P.TRANSCO	Chhattisgarh SEB	100.44
SOUTHERN REGION		
A.P.TRANSCO	EASTERN REGION	
	Jharkhand SEB	6.13



Table No.5.8 (Contd.)
INTER-STATE TRANSFERS OF ELECTRICAL ENERGY
DURING 2004-05

<i>Name of the Supplier</i>	<i>Name of the Purchaser</i>	<i>Energy Transferred (GWh)</i>
EASTERN REGION		
GRIDCO	Haryana V.P.N.L	830.40
GRIDCO	J&K PDC	294.40
Bihar SEB	UPPCL	28.10
GRIDCO	Punjab SEB	456.90
GRIDCO	Rajasthan SEB	17.20
West BengalSEB	Haryana V.P.N.L	136.26
West BengalSEB	J&K PDC	64.80
West BengalSEB	Punjab SEB	744.51
West BengalSEB	Rajasthan VPNL	186.95
West BengalSEB	UPPCL	275.43
West BengalSEB	Uttaranchal Power Corpn	6.37
West BengalSEB	Chandigarh	1.27
EASTERN REGION		
GRIDCO	Gujarat Electricity Board	164.23
GRIDCO	Maharashtra S.E.B.	2066.27
GRIDCO	Chhattisgarh SEB	287.68
West BengalSEB	Gujarat Electricity Board	544.62
West BengalSEB	MPSEB	762.02
West BengalSEB	Maharashtra S.E.B.	194.40
West BengalSEB	Chhattisgarh SEB	59.82
Sikkim	Gujarat Electricity Board	1.94
Sikkim	MPSEB	68.60
EASTERN REGION		
GRIDCO	A.P.TRANSKO	1.30
GRIDCO	KPTCL	120.56
GRIDCO	Tamil Nadu S.E.B.	5.61
West BengalSEB	APTRANSKO	27.78
West BengalSEB	KPTCL	137.08
EASTERN REGION		
GRIDCO	Assam SEB	19.24
GRIDCO	Meghalaya SEB	2066.27
West BengalSEB	Assam SEB	26.84
West BengalSEB	Meghalaya SEB	10.47



**Table No.5.8 (Contd.)
INTER-STATE TRANSFERS OF ELECTRICAL ENERGY
DURING 2004-05**

<i>Name of the Supplier</i>	<i>Name of the Purchaser</i>	<i>Energy Transferred (GWh)</i>
NORTH-EASTERN REGION		
NORTHERN REGION		
Assam SEB	Punjab SEB	47.69
Meghalaya SEB	Haryana V.P.N.L	17.33
Meghalaya SEB	Rajasthan VPNL	7.61
Tripura	Haryana V.P.N.L	75.48
Arunachal Pradesh	Haryana V.P.N.L	24.38
NORTH-EASTERN REGION		
WESTERN REGION		
Assam SEB	Chhattisgarh SEB	4.10
Meghalaya SEB	Maharashtra SEB	63.36
Tripura	MPSEB	4.50
Tripura	Chhattisgarh SEB	5.90
Arunachal Pradesh	MPSEB	32.25
Arunachal Pradesh	Maharashtra SEB	55.01
Mizoram	MPSEB	14.40
NORTH-EASTERN REGION		
EASTERN REGION		
Tripura	West Bengal SEB	17.18
OUT SIDE THE COUNTRY		
EXPORT		
Tanakpur CGP	Nepal	40.16
Sub-Total		40.16
IMPORT		
Bhutan	D.V.C.	294.27
Bhutan	Bihar S.E.B.	450.15
Bhutan	West Bengal S.E.B.	662.28
Bhutan	Sikkim	31.92
Bhutan	GRIDCO	242.72
Bhutan	Jharkhand S.E.B.	53.71
Sub-Total		1735.05

Note:- 1) D.V.C. is being treated as a separate entity for the purpose of this table.

H.V.P.N: Haryana Vidyut Prasaran Nigam..
 GRIDCO: Grid Power Corporation of Orissa Ltd.
 A.P TRANSCO - Transmission Corp. of A.P. Limited.
 CGP- Central Government Project.
 KPTCL : Karnataka Power Transmission Corpn. Ltd.
 RRVPN : Rajasthan Rajya Vidhyut Prasaran Nigam
 UPPCL : Uttar Pradesh Power Corpn. Ltd.
 WBPDCC : West Bengal Power Development Corporation