



प्रणाली प्रचालन विवरण SYSTEM OPERATION REPORT

मार्च 2011
MARCH 2011

दक्षिण क्षेत्रीय भार प्रेषण केन्द्र
बेंगलूर

**SOUTHERN REGIONAL LOAD DESPATCH CENTRE
BANGALORE**

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**SYSTEM OPERATION REPORT OF SOUTHERN REGION
FOR THE MONTH OF MARCH 2011**

A)SUMMARY REPORT

I)IMPORTANT EVENTS

a)COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/CGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	I P P (TAMIL NADU)	TIRUNELVELI & UDUMALPET	371.85	WIND	31-03-2011
2**	I P P (TAMIL NADU)	SOLAR	371.85	SOLAR	31-03-2011
3**	I P P (TAMIL NADU)	CPP	371.85	THERMAL & GAS	31-03-2011
4**	I P P (TAMIL NADU)	CO-GENERATION	371.85	CO-GEN	31-03-2011
5**	I P P (TAMIL NADU)	BIO-MASS	371.85	BIO MASS	31-03-2011
6*	I P P (KERALA)	IRUTTUKANAM	3.00	HYDRO	04-11-2010
7*	ANDHRA PRADESH	JURALA - 5	39.00	HYDRO	19-11-2010
8*	ANDHRA PRADESH	POCHAMPAD - 4	9.00	HYDRO	12-10-2010
9**	(ANDHRAPRADESH)	BIOGASSE & WASTE BASED	113.85	GAS	31-03-2011
10	I P P (KARNATAKA)	JINDAL	300.00	THERMAL	13-03-2011
11**	I P P (KARNATAKA)	MINI HYDEL	85.35	HYDRO	31-03-2011
12**	I P P (KARNATAKA)	WIND & OTHERS	405.01	WIND	31-03-2011

* Data Received late from States

** Addition is for entire year (2010-2011)

b)COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME & CKT NO.	KV	LENGTH (KM)	DATE
1	APTRANSCO	KOTHAGUDEM - KHAMMAM	400	67.755	07-03-2011
2	APTRANSCO	LILO OF MALKARAM - MINPUR AT GAJWEL	220	79.6	19-03-2011

c)COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	TAMIL NADU	SADAYAPALAYAM 1	230/33	50	28-03-2011
2	TAMIL NADU	SADAYAPALAYAM 2	230/33	50	28-03-2011
3	TAMIL NADU	ALAGARKOIL (ADDITION)	230/110	100	14-02-2011
4	TAMIL NADU	ORAGODOM (ADDITION)	230/110	100	16-03-2011
5	TAMIL NADU	ALUNDUR (AUMENTATION 50 TO 100)	230/110	50	30-03-2011

d)COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
		NIL			

d) Major problem/constraints affecting Grid operation including major Grid disturbances

NIL

i) Grid Separations

NIL

ii) Grid Disturbances

NIL

II)Schedule Vs Drawal of all Constituents for the month (MU's)

STATE	SCHEDULE	DRAWAL	VARIATION
APTRANSCO	1687.40	1744.19	56.79
KPTCL	989.33	1038.51	49.18
KSEB	548.30	567.93	19.63
TNEB	2285.40	2526.76	241.36
PONDY	233.69	180.51	-53.18
GOA	56.54	45.56	-10.98

III) Inter/Intra Regional exchanges in MU's

FROM		TO		TRADER	Wheeled Through	Total Energy Flow (MU)
UTILITY	REGION	UTILITY	REGION			
GOA	SR	GOA	WR	-	INTRA REGIONAL	0.000
KPTCL(GLOBAL)	SR	TNEB	SR	GLOBAL ENERGY	INTRA REGIONAL	1.786
KPTCL(RENUSUGATH)	SR	TNEB(TANGEDCO)	SR	GMRETL	INTRA REGIONAL	1.843
KPTCL(RENUSUGMUN)	SR	TNEB(TANGEDCO)	SR	GMRETL	INTRA REGIONAL	1.475
APTRANSCO(APPCC)	SR	TNEB	SR	IEX	INTRA REGIONAL	4.201
KPTCL(HIMATSINGKA)	SR	TNEB	SR	IEX	INTRA REGIONAL	1.224
KPTCL(INDCANPOW)	SR	TNEB	SR	IEX	INTRA REGIONAL	7.200
KPTCL(NIRANISUGAR)	SR	TNEB	SR	IEX	INTRA REGIONAL	0.912
KPTCL(RENUSUGATH)	SR	TNEB	SR	IEX	INTRA REGIONAL	5.832
KPTCL(RENUSUGHAV)	SR	TNEB	SR	IEX	INTRA REGIONAL	7.128
KPTCL(RENUSUGMUN)	SR	TNEB	SR	IEX	INTRA REGIONAL	4.680
KPTCL(SATISHSUGAR)	SR	TNEB	SR	IEX	INTRA REGIONAL	0.840
KSEB	SR	TNEB	SR	IEX	INTRA REGIONAL	28.400
KPTCL(JAMKHANDI)	SR	TNEB	SR	JAMKHANDI	INTRA REGIONAL	3.214
KPTCL(JSWEL)	SR	APTRANSCO (APPCC)	SR	JSWPTC	INTRA REGIONAL	90.583
KPTCL(JSWEL)	SR	KSEB	SR	JSWPTC	INTRA REGIONAL	27.702
KPTCL(JSWEL)	SR	TNEB	SR	JSWPTC	INTRA REGIONAL	27.702
KPTCL(JSWEL)	SR	TNEB(JSWSISCOL)	SR	JSWPTC	INTRA REGIONAL	0.106
KPTCL(KEDARSUGARS)	SR	TNEB	SR	KEDARNATH	INTRA REGIONAL	4.041
KPTCL(GODBIOREF)	SR	APTRANSCO (APPCC)	SR	KISPL	INTRA REGIONAL	17.142
KPTCL(NANDI)	SR	TNEB	SR	NANDI	INTRA REGIONAL	4.113
KPTCL(SIL)	SR	TNEB	SR	PTC	INTRA REGIONAL	9.216
KPTCL(VIJAYSUGAR)	SR	TNEB	SR	PTC	INTRA REGIONAL	5.184
APTRANSCO (NBVLAP)	SR	TNEB	SR	RETL	INTRA REGIONAL	11.026
APTRANSCO (PENNACEM)	SR	TNEB	SR	RETL	INTRA REGIONAL	0.575
APTRANSCO (PENNACEM)	SR	TNEB(TANGEDCO)	SR	RETL	INTRA REGIONAL	20.448
KPTCL(DSCL)	SR	TNEB(TANGEDCO)	SR	RETL	INTRA REGIONAL	7.718
KPTCL(HKMETALIC)	SR	TNEB	SR	RETL	INTRA REGIONAL	7.284
KPTCL(NIRANISUGAR)	SR	TNEB(TANGEDCO)	SR	RETL	INTRA REGIONAL	4.700
KPTCL(SHAMNSUGAR)	SR	TNEB(TANGEDCO)	SR	RETL	INTRA REGIONAL	6.912
KPTCL(HIRKESISUG)	SR	TNEB	SR	TATA	INTRA REGIONAL	6.451
KPTCL(UGARSUGAR)	SR	TNEB	SR	TATA	INTRA REGIONAL	4.838
KPTCL(VISWANATHSUGAR)	SR	TNEB	SR	TATA	INTRA REGIONAL	4.516
KSEB	SR	TNEB	SR	TNEB	INTRA REGIONAL	66.600
KSEB(BSESBKPL)	SR	TNEB	SR	TNEB	INTRA REGIONAL	3.920
KSEB(RGCCPP)	SR	TNEB	SR	TNEB	INTRA REGIONAL	107.686
LKPPL	SR	APTRANSCO (APPCC)	SR	NETS	INTRA REGIONAL	209.980
LKPPL	SR	TNEB	SR	NETS	INTRA REGIONAL	7.440
IEX	ER/WR	APTRANSCO	IMPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	23.325
IEX	ER/WR	KPTCL	IMPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
IEX	ER/WR	KSEB	IMPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
IEX	ER/WR	TNEB	IMPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	343.452
IEX	ER/WR	APTRANSCO	EXPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	26.845
IEX	ER/WR	KPTCL	EXPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	101.227
IEX	ER/WR	KSEB	EXPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	3.280
IEX	ER/WR	LKPPL	EXPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	ER/WR	APTRANSCO	IMPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	15.067
PXI	ER/WR	KPTCL	IMPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.936
PXI	ER/WR	KSEB	IMPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000

FROM		TO		TRADER	Wheeled Through	Total Energy Flow (MU)
UTILITY	REGION	UTILITY	REGION			
PXI	ER/WR	TNEB	IMPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	87.274
PXI	ER/WR	APTRANSCO	EXPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	13.738
PXI	ER/WR	KPTCL	EXPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	3.372
PXI	ER/WR	LKPPL	EXPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
DELHI(BSESRPL)	NR	APTRANSCO (APCC)	SR	BRPL	HVDC GAZUWAKA, I/C AT TALCHER	25.408
DELHI(BSESYPL)	NR	APTRANSCO (APCC)	SR	GMRETL	HVDC AT C'PUR	31.065
DELHI(BSESRPL)	NR	APTRANSCO (APCC)	SR	KISPL	HVDC GAZUWAKA, I/C AT TALCHER	31.584
HAYARANA(HPPC)	NR	APTRANSCO (APCC)	SR	MITTAL	HVDC GAZUWAKA, I/C AT TALCHER	2.947
MSETCL(WPCL)	WR	APTRANSCO (APCC)	SR	NETS	HVDC AT C'PUR	71.550
JINDALPOW(WRLDC)	WR	APTRANSCO (APCC)	SR	NVNL	HVDC AT C'PUR	125.858
JINDALPOW(WRLDC)	WR	APTRANSCO (APCC)	SR	PTC	HVDC AT C'PUR	31.374
ERLDC(SIKKIM)	ER	APTRANSCO (APCC)	ER	SIKKIM	HVDC GAZUWAKA, I/C AT TALCHER	7.224
CSEB(CSPTCL)	WR	KPTCL(BESCOM)	SR	PTC	HVDC AT C'PUR	189.085
JINDALPOW(WRLDC)	WR	KPTCL(BESCOM)	SR	PTC	HVDC AT C'PUR	63.229
LANCOAPL(WRLDC)	WR	KPTCL(BESCOM)	SR	PTC	HVDC AT C'PUR	172.024
DELHI(NDPL)	WR	KSEB	SR	GMRETL	HVDC AT C'PUR	46.583
NRLDC(ANTARLNG)	NR	TNEB	SR	NVNL	HVDC GAZUWAKA, I/C AT TALCHER	0.273
NRLDC(AURIYARLNG)	NR	TNEB	SR	NVNL	HVDC GAZUWAKA, I/C AT TALCHER	0.469
NRLDC(DADRILNG)	NR	TNEB	SR	NVNL	HVDC GAZUWAKA, I/C AT TALCHER	0.469
WBSEB(WBSEDCL)	ER	TNEB	SR	NVNL	HVDC GAZUWAKA, I/C AT TALCHER	0.392
CSEB(CSPTCL)	WR	TNEB	SR	PTC	HVDC AT C'PUR	5.130
DELHI(BSESRPL)	NR	TNEB	SR	RETL	HVDC GAZUWAKA, I/C AT TALCHER	1.182
GUJARATH(GUVNL)	WR	TNEB	SR	TNEB	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	5.223
HARYANA(HPPC)	NR	TNEB	SR	TNEB	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	10.671

IV) a) FREQUENCY PROFILE FOR THE MONTH [Hz]

	FREQUENCY (HZ)	DATE	FVI	DATE
MAXIMUM	50.82	13/Mar/2011	2.85	22/Mar/2011
MINIMUM	48.81	18/Mar/2011	0.69	01/Mar/2011
AVERAGE	49.61		1.75	

b) FREQUENCY DISTRIBUTION FOR THE MONTH

The frequency ranges as a percentage of time during the month

Hz	<48.5	48.5 - 49	49 - 49.5	49.5 - 50.2	>50.2
%	0.00	0.17	19.05	80.40	0.38

V) POWER SUPPLY POSITION FOR THE MONTH

	AP	KAR	KER	TN	PONDY	REGION
UNRESTRICTED PEAK DEMAND(MW)	11927	8427	3149	11614	306	34205
PEAK DEMAND MET (MW)	11829	7743	3119	10789	301	31927
UNRESTRICTED ENERGY REQMT(MU)	8159	5481	1727	7603	183	23152
ENERGY MET (MU)	7922	5001	1696	6964	181	21763

B) DETAILED REPORTS.**I. Detailed State wise breakup of installed capacity (MW)**

AGENCY	HYDRO	THERMAL	GAS/DIESEL	WIND/OTHERS	NUCLEAR	TOTAL
ANDHRA PRADESH	3790.36	4592.50	272.00	2.00	---	8656.86
KARNATAKA	3669.45	2220.00	127.92	4.55	---	6021.92
KERALA	1939.85	---	234.60	2.03	---	2176.48
TAMILNADU	2186.65	2970.00	516.00	17.56	---	5690.21
PONDICHERRY	---	---	32.50	---	---	32.50
CENTRAL SECTOR	---	8090.00	359.58	---	1320.00	9769.58
IPP	532.40	2148.11	5572.31	9563.97	---	17816.78
TOTAL	12118.71	20020.61	7114.91	9590.10	1320.00	50164.32

Note:

i). NTPC's 1000MW capacity at Simhadri, 359.58MW capacity at Kayamkulam and NLC's 600MW capacity at Neyveli Stage I are fully dedicated to Andhra Pradesh, Kerala & Tamil Nadu respectively have also been included under the Central Sector.

ii). Nellore TPS (1 x 30 MW) in Andhra Pradesh permanently closed from 23.04.2005.

* The Installed Capacity is reconciled with the data received from states

GENERATION ADDITION

SL.NO.	STATE/CGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	I P P (TAMIL NADU)	TIRUNELVELI & UDUMALPET	371.85	WIND	31-03-2011
2**	I P P (TAMIL NADU)	SOLAR	371.85	SOLAR	31-03-2011
3**	I P P (TAMIL NADU)	CPP	371.85	THERMAL & GAS	31-03-2011
4**	I P P (TAMIL NADU)	CO-GENERATION	371.85	CO-GEN	31-03-2011
5**	I P P (TAMIL NADU)	BIO-MASS	371.85	BIO MASS	31-03-2011
6*	I P P (KERALA)	IRUTTUKANAM	3.00	HYDRO	04-11-2010
7*	ANDHRA PRADESH	JURALA - 5	39.00	HYDRO	19-11-2010
8*	ANDHRA PRADESH	POCHAMPAD - 4	9.00	HYDRO	12-10-2010
9**	I P P (ANDHRA PRADESH)	BIOGASSE & WASTE BASED	113.85	GAS	31-03-2011
10	I P P (KARNATAKA)	JINDAL	300.00	THERMAL	13-03-2011
11**	I P P (KARNATAKA)	MINI HYDEL	85.35	HYDRO	31-03-2011
12**	I P P (KARNATAKA)	WIND & OTHERS	405.01	WIND	31-03-2011

(II) SALIENT FEATURES OF SYSTEM CONDITIONS.

INSTALLED CAPACITY DERATED (MW)	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	CENTRAL SECTOR	IPP	REGIONAL
Mar-2010	7860	5757	2136	5690	32.5	9550	13674	44699
Mar-2011	8657	6022	2176	5690	32.5	9770	17817	50164
% INCREASE	10.14	4.60	1.87	0.00	0.00	2.30	30.30	12.23

ENERGY (GROSS) Unrestricted Requirement(MU)	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	REGIONAL
Mar-2010	8004	4879	1700	7386	197	22165
Mar-2011	8159	5481	1727	7603	183	23152
Energy Availability (MU)						
Mar-2010	7082	4394	1657	6736	180	20049
Mar-2011	7922	5001	1696	6964	181	21763
Shortage(-)/ Surplus(+)						
Mar 2010 (MU) / %	-922 (-11.5)	-485 (-9.9)	-43 (-2.5)	-650 (-8.8)	-17 (-8.5)	-2115 (-9.5)
Mar 2011 (MU) / %	-237 (-2.9)	-480 (-8.8)	-31 (-1.8)	-638 (-8.4)	-3 (-1.4)	-1389 (-6.0)

DEMAND Unrestricted Demand (MW)	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	REGIONAL
Mar-2010	11688	7417	3054	10857	290	32853
Mar-2011	11927	8427	3149	11614	306	34205
Availability (MW)						
Mar-2010	10880	6897	2998	9969	278	29776
Mar-2011	11829	7743	3119	10789	301	31927
Shortage(-)/ Surplus(+)						
Mar 2010 (MW) / %	-808 (-6.9)	-520 (-7.0)	-56 (-1.8)	-888 (-8.2)	-12 (-4.0)	-3077 (-9.4)
Mar 2011 (MW) / %	-98 (-0.8)	-684 (-8.1)	-30 (-0.9)	-825 (-7.1)	-5 (-1.6)	-2278 (-6.7)

III)VOLTAGE PROFILE**MAXIMUM AND MINIMUM VOLTAGES (KV) AND VOLTAGE RANGE (PERCENTAGE)**

STATION	MAXIMUM	MINIMUM	< 360	360 - 380	380 - 420	>420
RAMAGUNDAM	412	389	0.00	0.00	100.00	0.00
HYDERABAD	416	379	0.00	0.15	99.85	0.00
BANGALORE	410	369	0.00	8.00	92.00	0.00
MADRAS	419	367	0.00	6.06	93.94	0.00
NEYVELI	417	398	0.00	0.00	100.00	0.00

IV) PERFORMANCE OF CONSTITUENTS
**ENERGY GENERATED BY GENERATING STATIONS / UNITS IN
SOUTHERN REGION DURING MARCH 2011**
ANDHRA PRADESH

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-11	From 01-04-10 To 31-03-2011
HYDRO				
1	MACHKUND	3x(23+17)x70% = 84.00	23.77	292.98
2	T.B.DAM	(8x9)x80% = 57.60	14.53	159.53
3	UPPER SILERU	4x60 = 240.00	71.52	420.83
4	DONKARAYI	1x25 = 25.00	16.42	118.96
5	LOWER SILERU	4x115 = 460.00	126.70	1070.80
6	SRISAILAM RBPH	7x110 = 770.00	190.97	1846.43
7	SRISAILAM LBPH	6x150 = 900.00	229.09	2008.44
8	N'SAGAR	1x110+7x100.8 = 815.60	43.21	1305.18
9	NSR RT.CANAL.P.H	3x30 = 90.00	29.28	282.93
10	NSR LT.CANAL.P.H	2x30 = 60.00	5.05	137.03
11	NIZAMSAGAR	2x5 = 10.00	5.38	22.25
12	POCHAMPAD	4x9 = 36.00	12.61	82.63
13	PENNA AHOBILAM	2x10 = 20.00	0.00	5.43
14	SINGUR	2x7.5 = 15.00	1.49	26.03
15	JURALA	5x39 = 195.00	2.22	126.57
16	MINI HYDEL	12.16 = 12.16	0.47	8.61
	TOTAL	3790.36	772.73	7914.63
THERMAL				
COAL				
1	RAMAGUNDAM-B	1x62.5 = 62.50	43.47	473.28
2	KOTHAGUDEM-A	4x60 = 240.00	124.73	1739.41
3	KOTHAGUDEM-B	2x120 = 240.00	157.52	1662.98
4	KOTHAGUDEM-C	2x120 = 240.00	142.08	1659.21
5	KOTHAGUDEM-D	2x250 = 500.00	365.10	3412.54
6	VIJAYAWADA	6x210 + 1x500 = 1760.00	1320.31	12601.30
7	RAYALASEEMA	5x210 = 1050.00	692.74	6202.78
8	KAKATIYA TPP 1	1x500 = 500.00	280.92	1849.79
	TOTAL	4592.50	3126.85	29601.27
GAS/NAPTHA/DIESEL				
1	VIJESWARAM STAGE 1 (GAS)	2x33+1x34 = 100.00	24.88	405.41
2	VIJESWARAM STAGE 2 (GAS)	1x112.5+1x59.5 = 172.00	109.35	1327.36
	TOTAL	272.00	134.23	1732.77
WIND MILL				
1	WIND	2 = 2.00	0.00	10.98
	TOTAL	2.00	0.00	10.98
IPP				
HYDRO				
1	MINI HYDRO	104.4 = 104.40	22.00	197.00
COAL				
2	MINI POWER PLANTS	74.31 = 74.31	53.94	406.36
GAS/NAPTHA/DIESEL				
3	LANCO (GAS)	2x115+1x125 = 351.49	152.59	2106.24
4	JEGURUPADU (GAS)	2x45.8+1x48.9+1x75.5 = 216.82	117.67	1422.95
5	SPECTRUM (GAS)	1x46.8+2x46.1+1x68.88 = 208.31	108.61	1438.06
6	ISOLATED GAS WELL (GAS) (LVS)	27.04 = 27.04	0.00	0.00
7	GVK EXTENSION(GAS)	1x145+1x75 = 220.00	129.69	1599.53
8	RELIANCE ENERGY LTD. (GAS)	1x140+1x80 = 220.00	116.17	1424.15
9	VEMAGIRI POWER GENERATION LTD.(GAS)	1x233+1x137 = 370.00	222.46	2749.33
10	GAUTAMI CCPP	2x145 + 1x174 = 464.00	267.88	3344.57
11	KONASEEMA CCPP	145.9911+140.0899+165 = 444.08	198.72	2350.49
12	GMR (BRG)	237 = 237.00	120.00	120.00
WIND				
13	WINDMILL	114.94 = 114.94	2.27	69.66
OTHERS				
14	CO-GENERATION (RCL)	41 = 41.00	26.82	283.28
15	BAGASSE	270.8 = 270.80	92.51	1768.97
16	BIOMASS	190.50+29.25 = 219.75		
17	WASTE BASED PP	15.66+6+30.1 = 51.76		
	TOTAL	3635.70	1631.33	19280.59
	TOTAL ANDHRA PRADESH	12292.560	5665.14	58540.24

Note: Simhadri (NTPC) of 1000 MW capacity Coal based plant, fully dedicated to Andhra Pradesh has been included under Central Sector.

KARNATAKA

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-11	From 01-04-10 To 31-03-2011
HYDRO				
1	SHARAVATHI	10x103.5 = 1035.00	609.29	4548.08
2	LINGANAMAKKI.P.H.	2x27.5 = 55.00	33.94	182.83
3	JOG (MGHES)	4x21.6+4x13.2 = 139.20	32.93	317.98
4	NAGJHERI	1x135+5x150 = 885.00	397.68	2197.47
5	SUPA	2x50 = 100.00	56.97	367.07
6	VARAHI	4x115 = 460.00	95.25	994.75
7	BHADRA POWER HOUSE	1x7+2x12.1+1x2+6 = 39.20	7.78	56.26
8	SIVANSAMUDRAM	6x3+4x6 = 42.00	29.09	295.05
9	SHIMSHA	2x8.6 = 17.20	3.33	73.03
10	MUNIRABAD	3x9 = 28.00	8.38	125.05
11	T.B.DAM SHARE (20 %)	8x9(20%) = 14.40	3.23	40.51
12	GHATAPRABHA	2x16 = 32.00	11.21	90.61
13	MANI DAM.P.H.	2x4.5 = 9.00	2.42	22.93
14	MINI HYDRO	1.4+0.35+2.7 = 4.45	0.00	0.00
15	MALLAPUR	2x4.5 = 9.00	0.00	0.00
16	KADRA	3x50 = 150.00	29.09	281.01
17	KODASALLI	3x40 = 120.00	28.59	263.74
18	SHARAVATHI TAIL RACE	4x60 = 240.00	53.43	443.64
19	ALMATTI	1x15+5x55 = 290.00	16.77	577.27
	TOTAL	3669.45	1419.39	10877.27
THERMAL				
COAL				
1	RAICHUR.T.PS.	7x210 +1x250 = 1720.00	955.50	8789.06
2	BELLARY TPS	1x 500 = 500.00	271.99	2660.47
	TOTAL	2220.00	1227.49	11449.53
GAS/NAPTHA/DIESEL				
1	YELEHANKA (DIESEL)	6x21.32 = 127.92	53.92	527.32
	TOTAL	127.92	53.92	527.32
WIND				
1	KAPPATAGUDDA	4.55 = 4.55	0.00	0.00
	TOTAL	4.55	0.00	0.00
IPP				
HYDRO				
1	MINI HYDEL	385 = 385.00	0.00	0.00
COAL				
2	UPCL(THERMAL)	1x600 = 600.00	288.80	1625.75
3	JINDAL (COAL & COREX)	2x130+3x300 = 1160.00	566.90	5590.30
GAS/NAPTHA/DIESEL				
4	TATA ELECTRIC (DIESEL)	5x16.26 = 79.11	46.60	294.50
5	RAYAL SEEMA ALKALIES (DIESEL)	3x12 = 27.80	8.70	100.10
WIND				
6	WIND MILL + SOLAR	1330 + 6 = 1336.00	0.00	0.00
OTHERS				
7	JINDAL (C P P)	1 x 100 + 1x130 = 230.00	0.00	0.00
8	CO-GENERATION	546 = 546.00	458.20	5674.90
9	BIO-MASS	97.3 = 97.30	0.00	0.00
	TOTAL	4461.21	1369.20	13285.55
	TOTAL KARNATAKA	10483.125	4070.00	36139.67

KERALA

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION		
			Mar-11	From 01-04-10 To 31-03-2011	
HYDRO					
1	KUTTIADI + EXTENTION + ADDL. EXTN.	3x25 + 50 +50+50	= 225.00	41.05	559.99
2	SHOLAYAR	3x18	= 54.00	25.19	243.25
3	PORINGALKUTHU	4x8	= 32.00	4.05	187.57
4	PORIG. L. BANK	16	= 16.00	10.83	120.68
5	PALLIVASAL	3x7.5+3x5	= 37.50	20.58	235.54
6	SENGULAM	4x12	= 48.00	9.88	170.62
7	PANNIAR	2x16	= 32.00	13.69	180.88
8	NERIAMANGALAM + EXTENSION	3x17.5 +25	= 77.50	16.02	370.55
9	SABARIGIRI	1x60 + 4x55	= 280.00	175.21	1372.94
10	IDUKKI	3x130+3x130	= 780.00	373.46	2258.67
11	IDAMALAYAR	2x37.5	= 75.00	39.52	376.87
12	KALLADA	2x7.5	= 15.00	10.30	72.09
13	PEPPARA	3	= 3.00	0.14	9.76
14	MADUPETTY	2	= 2.00	0.00	2.28
15	MALAMPUZHA	1x2.5	= 2.50	0.00	0.00
16	L.PERIYAR	3x60	= 180.00	18.86	615.94

KERALA

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-11	From 01-04-10 To 31-03-2011
HYDRO				
17	KAKKAD	2x25 = 50.00	23.31	224.41
18	CHEMBUKADAVU	1x2.7+1x3.75 = 6.45	0.00	13.54
19	URUMI	1 x 3.75 + 1 x 2.4 = 6.15	0.00	15.94
20	MALANKARA	3 x 3.5 = 10.50	2.87	36.93
21	LOWER MEENMUTTY	2x1.5 + 1x0.5 = 3.50	0.06	7.19
22	KUTTIADI TAIL RACE	3 x 1.25 = 3.75	0.34	4.35
	TOTAL	1939.85	785.35	7079.97
GAS/NAPTHA/DIESEL				
1	BRAHMAPURAM DGPP (DIESEL)	5x21.32 = 106.60	13.05	96.31
2	KOZHICODE DPP (DIESEL)	8x16 = 128.00	22.10	233.49
	TOTAL	234.60	35.16	329.80
WIND				
1	WIND MILL	2.025 = 2.03	0.08	1.51
	TOTAL	2.03	0.08	1.51
IPP				
HYDRO				
1	MANIYAR	3x4 = 12.00	2.38	41.25
2	KUTHUNGAL	3x7 = 21.00	6.49	47.05
3	ULLUNGAL	2x3.5 = 7.00	1.92	23.93
4	IRUTTUKANAM	1x3 = 3.00	0.37	0.37
GAS/NAPTHA/DIESEL				
5	BSES (NAPTHA)	3x40.5(GT)+1x35.5(ST) = 157.00	77.99	223.04
6	KASARGODE (DIESEL)	3x7.31 = 21.93	1.52	27.26
7	MPS STEEL CASTINGS	1x10 = 10.00	4.17	44.73
WIND				
8	AGALI	31 x 0.6 = 18.60	1.57	63.09
9	RAMAKKELMEDU	19 X 0.75 = 14.25		
	TOTAL	264.78	96.42	470.72
	TOTAL KERALA	2441.255	917.00	7882.01

Note: RGCCPP, Kayamkulam (NTPC) of 359.58 MW capacity Naptha based plant, fully dedicated to Kerala has been included under Central Sector.

TAMILNADU

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-11	From 01-04-10 To 31-03-2011
HYDRO				
1	PYKARA	3x6.65+1x11+2x14 = 59.00	2.49	28.96
2	PYKARA MICRO	1x2 = 2.00	0.76	5.56
3	PYKARA ULTIMATE (PUSHEP)	3x50 = 150.00	57.33	431.62
4	MOYAR	3x12 = 36.00	20.04	155.49
5	MARAVAKANDI	1x0.80 = 0.80	0.27	2.00
6	KUNDAH-I	3x20 = 60.00	36.76	255.86
7	KUNDAH-II	5x35 = 175.00	84.42	656.92
8	KUNDAH-III	3x60 = 180.00	47.02	391.09
9	KUNDAH-IV	2x50 = 100.00	7.40	137.12
10	KUNDAH-V	2x20 = 40.00	3.34	60.71
11	SURULIYAR	1x35 = 35.00	8.00	98.11
12	KADAMPARAI	4x100 = 400.00	49.68	572.44
13	ALIYAR	1x60 = 60.00	7.90	163.88
14	POONACHI	1x2 = 2.00	0.04	4.70
15	METTUR DAM	4x12.5 = 50.00	5.61	94.87
16	METTUR TUNNEL	4x50 = 200.00	9.75	266.02
17	LOWER METTUR BARRIAGE - 1 TO 4	8x15 = 120.00	7.90	263.44
18	BHAVANISAGAR MICRO	4x2 = 8.00	2.92	33.10
19	PERIYAR	4x35 = 140.00	0.06	420.93
20	VAIGAI MICRO	2x3 = 6.00	0.07	15.24
21	PAPANASAM	4x8 = 32.00	7.75	137.56
22	SERVALAR	1x20 = 20.00	1.67	38.93
23	SARKARAPATHY	1x30 = 30.00	2.00	134.33
24	SHOLAYAR	2x35+25 = 95.00	7.25	413.04
25	KODAYAR	1x60+1x40 = 100.00	20.74	145.53
26	LOWER BHAVANISAGAR	2X4 = 8.00	2.04	21.43
27	SATHANUR DAM PH	1x7.5 = 7.50	3.52	10.26
28	KUNDAH-VI (Parson Valley)	1x30 = 30.00	2.68	37.08
29	MICRO TOTAL	4+2.5+0.75+1.90+1.2 = 10.35	11.87	36.16
30	BHAVANI KATTALAI BARRAGE - I	2x15 = 30.00	2.88	72.16
	TOTAL	2186.65	414.17	5104.52

TAMILNADU

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-11	From 01-04-10 To 31-03-2011
THERMAL				
COAL				
1	ENNORE.T.P.S	2x60+3x110 = 450.00	131.78	1396.29
2	TUTUCORIN.T.P.S	5x210 = 1050.00	753.78	7113.18
3	METTUR.T.P.S	4x210 = 840.00	612.98	6064.72
4	NORTH CHENNAI T.P.S	3x210 = 630.00	444.35	4510.86
	TOTAL	2970.00	1942.88	19085.05
GAS/NAPTHA/DIESEL				
1	BASIN BRIDGE (NAPTHA)	4x30 = 120.00	33.11	51.86
2	KOVIL KALAPPAL (GAS)	1x70+1x38 = 108.00	63.33	663.74
3	VALATHUR (GAS) STG1	1x60+1x35 = 95.00	65.13	497.85
4	VALATHUR (GAS) STG2	1 x 60 + 1 x 32 = 92.00	0.00	49.84
5	KUTTALAM (GAS)	1x64+1x37 = 101.00	0.00	172.58
	TOTAL	516.00	161.56	1435.87
WIND				
1	TNEB WIND MILL+SOLAR	17.555 = 17.56	0.20	12.68
	TOTAL	17.56	0.20	12.68
IPP				
COAL				
1	TCPL	63.8 = 63.80	0.00	0.00
LIGNITE				
2	ST - CMS	250 = 250.00	149.81	1652.20
GAS/NAPTHA/DIESEL				
3	P P NALLUR (NAPTHA)	330.5 = 330.50	215.73	2494.05
4	ABAN POWER (GAS)	74.41+38.81 = 113.20	51.83	820.37
5	MADURAI POWER CL (DIESEL)	106 = 106.00	58.25	353.21
6	SAMALPATTY (DIESEL)	7x15.1 = 105.66	69.20	377.75
7	ARKEY ENERGY(PENNA)(GAS)	1x38 + 2x6.8 + 1x20 = 52.80	31.08	370.17
8	GMR POWER (DIESEL)	4x49 = 196.00	128.27	874.61
9	CPCL (MANALI & OTHERS)	65 (MANALI)+1182.57 (OTHERS) = 1247.57	482.96	3798.69
WIND/OTHERS				
10	WIND MILL	5874.615 = 5874.62	182.93	8898.08
11	CO-GENERATION	609.9 = 609.90	218.21	2550.27
12	BIO-MASS	139.05 = 139.05	0.00	135.62
	TOTAL	9089.10	1588.27	22325.02
	TOTAL TAMIL NADU	14779.30	4107.07	47963.13

Note: Neyveli-I (NLC) of 600 MW capacity Lignite based plant, fully dedicated to Tamil Nadu has been included under Central Sector.

PONDICHERRY

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-11	From 01-04-10 To 31-03-2011
GAS/NAPTHA/DIESEL				
1	KARAIKAL POWER PLANT (GAS)	1x32.5 = 32.50	12.77	195.46
	TOTAL	32.50	12.77	195.46
	TOTAL PONDICHERRY	32.50	12.77	195.46
IPP UNDER OPEN ACCESS				
GAS/NAPTHA/DIESEL				
1	LANCO KONDAPPILLI POWER LTD.	233 + 133 = 366.00	197.23	2031.84
	TOTAL	366.00	197.23	2031.84
	TOTAL IPP UNDER OPEN ACCESS	366.00	197.23	2031.84

CENTRAL SECTOR

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-11	From 01-04-10 To 31-03-2011
<u>THERMAL</u>				
<u>COAL</u>				
1	RAMAGUNDAM T.P.S (ISGS) - NTPC	3x200+4x500 = 2600	1772.68	20559.81
2	TALCHER STAGE II (ISGS) - NTPC	4x500 = 2000	1425.30	15092.23
3	SIMHADRI (AP) - NTPC	2x500 = 1000	736.64	7989.51
<u>LIGNITE</u>				
4	NEYVELI-I (TN) - NLC	6x50+3x100 = 600	401.19	3878.71
5	NEYVELI-II (ISGS) - NLC	7x210 = 1470	1070.39	10739.49
6	NEYVELI TPS-I (Expansion) (ISGS) - NLC	2x210 = 420	306.82	2995.72
	TOTAL	8090.00	5713.01	61255.46
<u>GAS/NAPTHA/DIESEL</u>				
7	RGCCPP,KAYAMKULAM (KSEB) - NTPC	2x116.6(GT)+1x126.38(ST) = 359.58	211.38	1902.82
	TOTAL	359.58	211.38	1902.82
<u>NUCLEAR</u>				
1	M.A.P.S KALPAKAM (ISGS) - NPC	2x220 = 440.00	251.19	2239.20
2	KAIGA A.P.S (ISGS) - NPC	4x220 = 880.00	499.99	3873.02
	TOTAL	1320.00	751.18	6112.22
	TOTAL CENTRAL SECTOR	9769.58	6675.56	69270.50
	GRAND TOTAL	50164.32	21644.78	222022.87

V) RESERVOIR PARTICULARS

NAME OF RESERVOIR	STORAGE						INFLOWS (MU's)
	MDDL (M)	FRL (M)	LEVEL (M)		ENERGY (MU's)		
			As on 1 st	As on 31st	As on 1st	As on 31st	
JALAPUT	818.39	838.40	836.84	835.97	467.00	432.00	12.55
LINGANAMAKKI	522.70	554.50	547.57	544.48	2630.00	1983.00	29.00
SUPA	495.00	564.00	538.83	534.02	1287.00	1032.00	10.81
IDDUKKI	694.90	732.40	722.13	716.98	1385.00	1048.00	48.75
KAKKI	908.30	981.50	972.96	966.52	627.00	466.00	23.20
NILGIRIS	---	---	N.A	N.A	551.00	312.00	11.96

VI) BRIEF DESCRIPTION OF DISTURBANCES:-

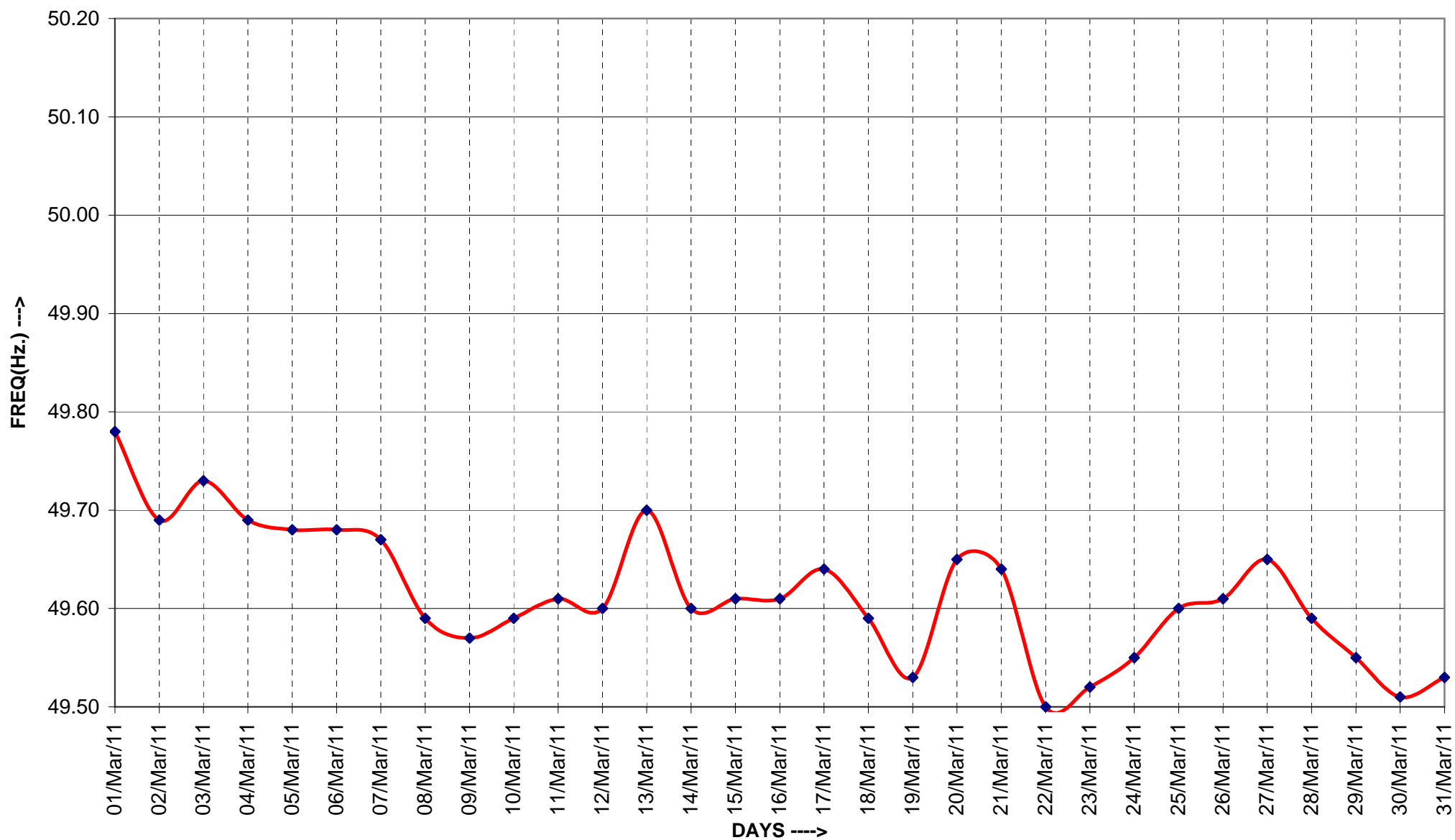
CODE	DATE	TIME OF OCCURENCE	AREAS AFFECTED	REASONS	TIME OF RESTORATION
			NIL		

VII) PROGRESS OF SHUNT CAPACITORS

STATE	Installed as on 31.03.2010	*Programme of SEB's for 2010-2011	Capacitor Addition in March 2011	Capacitors installed during 2010-2011	Back log for 2008-2009	Total Commulative Installed as on 31-03-2011
APTRANSCO	6593.4		0.0	0.0	100.0	6593.4
KPTCL**	4543.3		0.0	0.0	-	4543.3
KSEB	1005.0		0.0	0.0	15.0	1005.0
TNEB	3947.5		0.0	0.0	17.6	3947.5
TOTAL	16089.2	0.0	0.0	0.0	132.6	16089.2

* Yet to be finalised.

FREQUENCY PROFILE FOR MARCH 2011

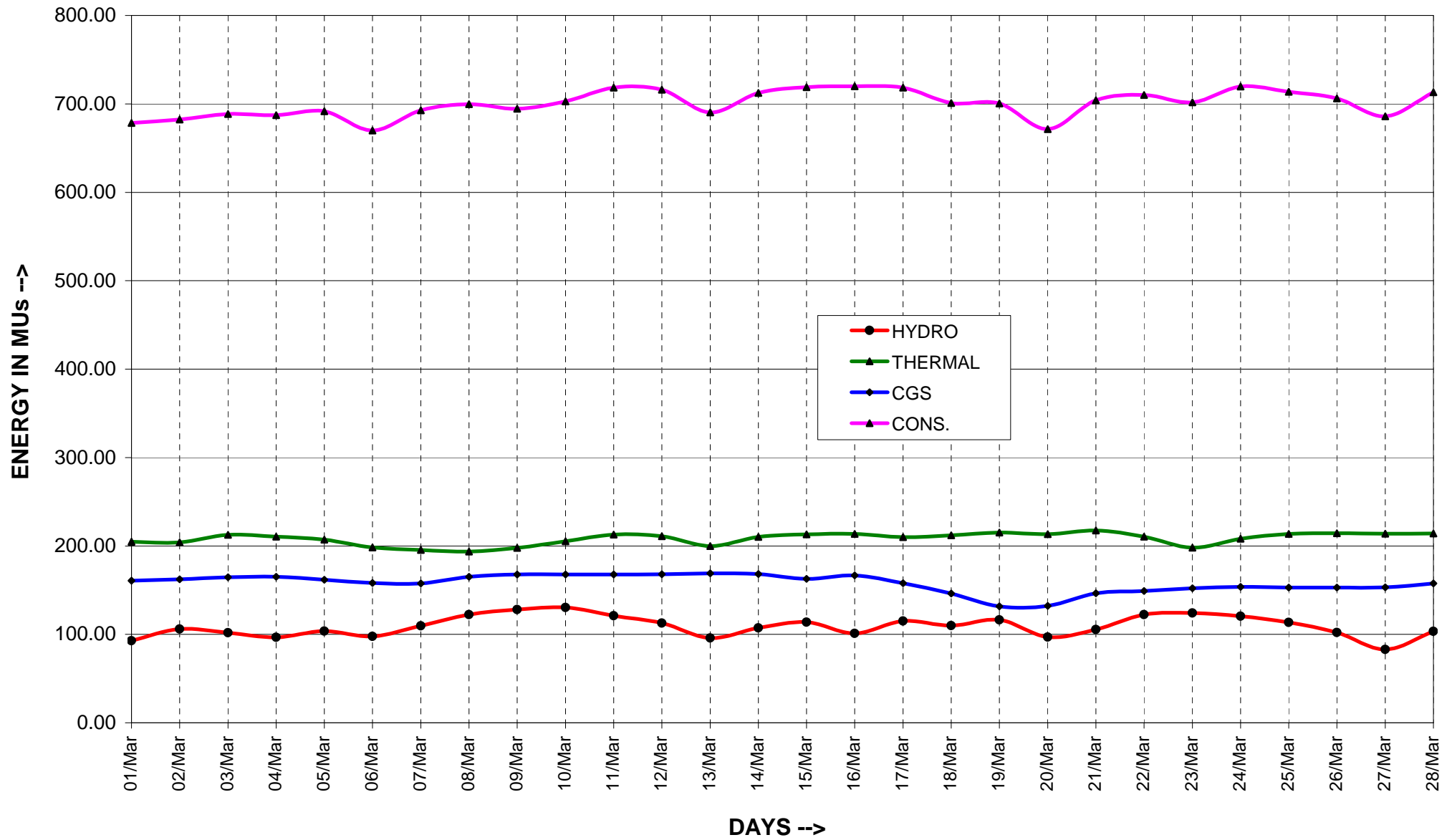


DATE	FVI
01-Mar-11	0.69
02-Mar-11	1.21
03-Mar-11	0.92
04-Mar-11	1.11
05-Mar-11	1.20
06-Mar-11	1.16
07-Mar-11	1.20
08-Mar-11	1.84
09-Mar-11	2.04
10-Mar-11	1.88
11-Mar-11	1.64
12-Mar-11	1.70
13-Mar-11	1.25
14-Mar-11	1.74
15-Mar-11	1.63
16-Mar-11	1.74
17-Mar-11	1.41
18-Mar-11	2.06
19-Mar-11	2.59
20-Mar-11	1.66
21-Mar-11	1.48
22-Mar-11	2.85
23-Mar-11	2.55
24-Mar-11	2.17
25-Mar-11	1.93
26-Mar-11	1.69
27-Mar-11	1.66
28-Mar-11	1.92
29-Mar-11	2.26
30-Mar-11	2.59
31-Mar-11	2.48
AVERAGE	1.75
MAXIMUM	2.85
MINIMUM	0.69

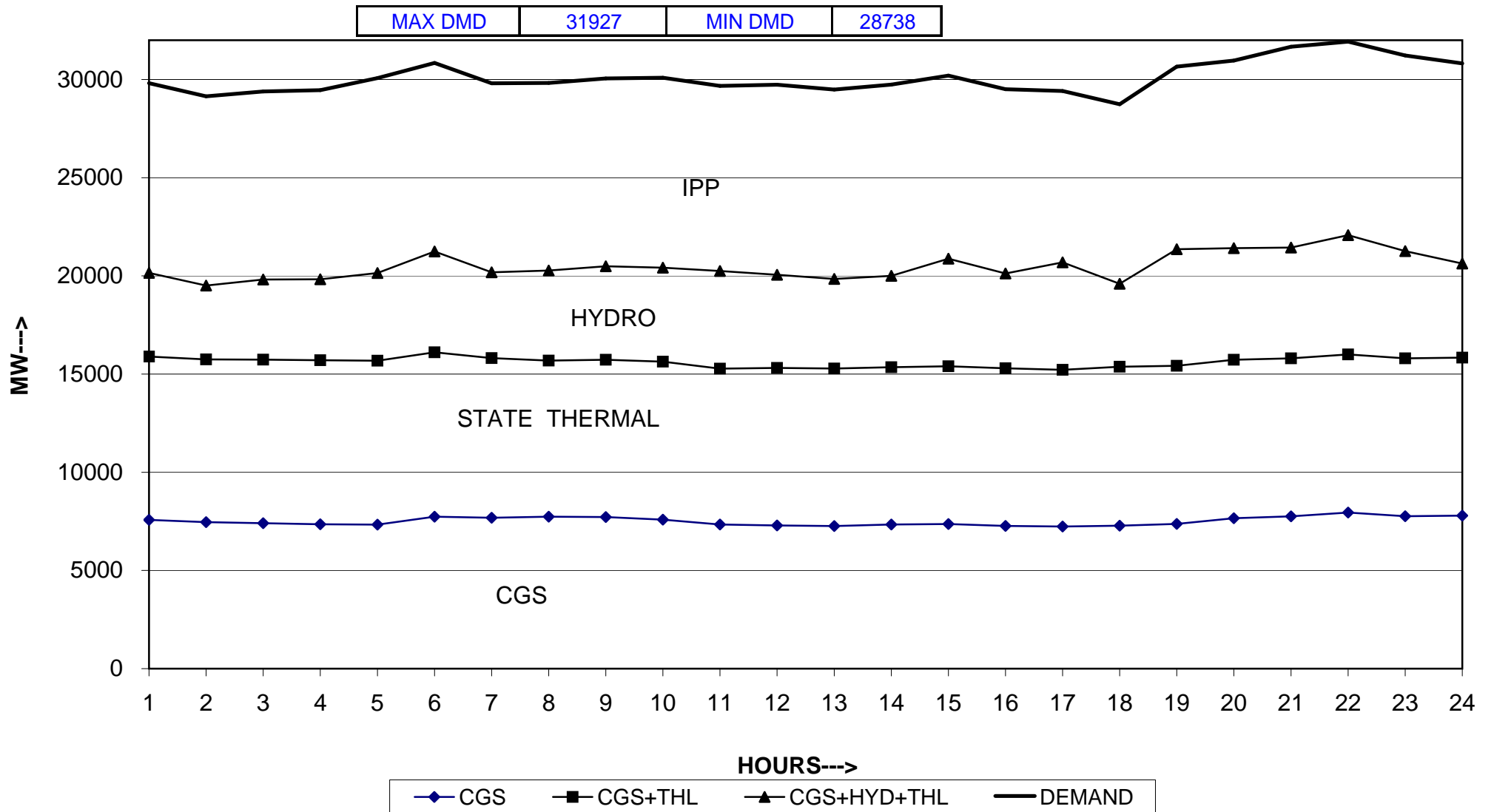
$$FVI = \frac{10 \sum (F-50)^2}{24 \times 60}$$

Note:Where F=frequency measured at one minute interval.

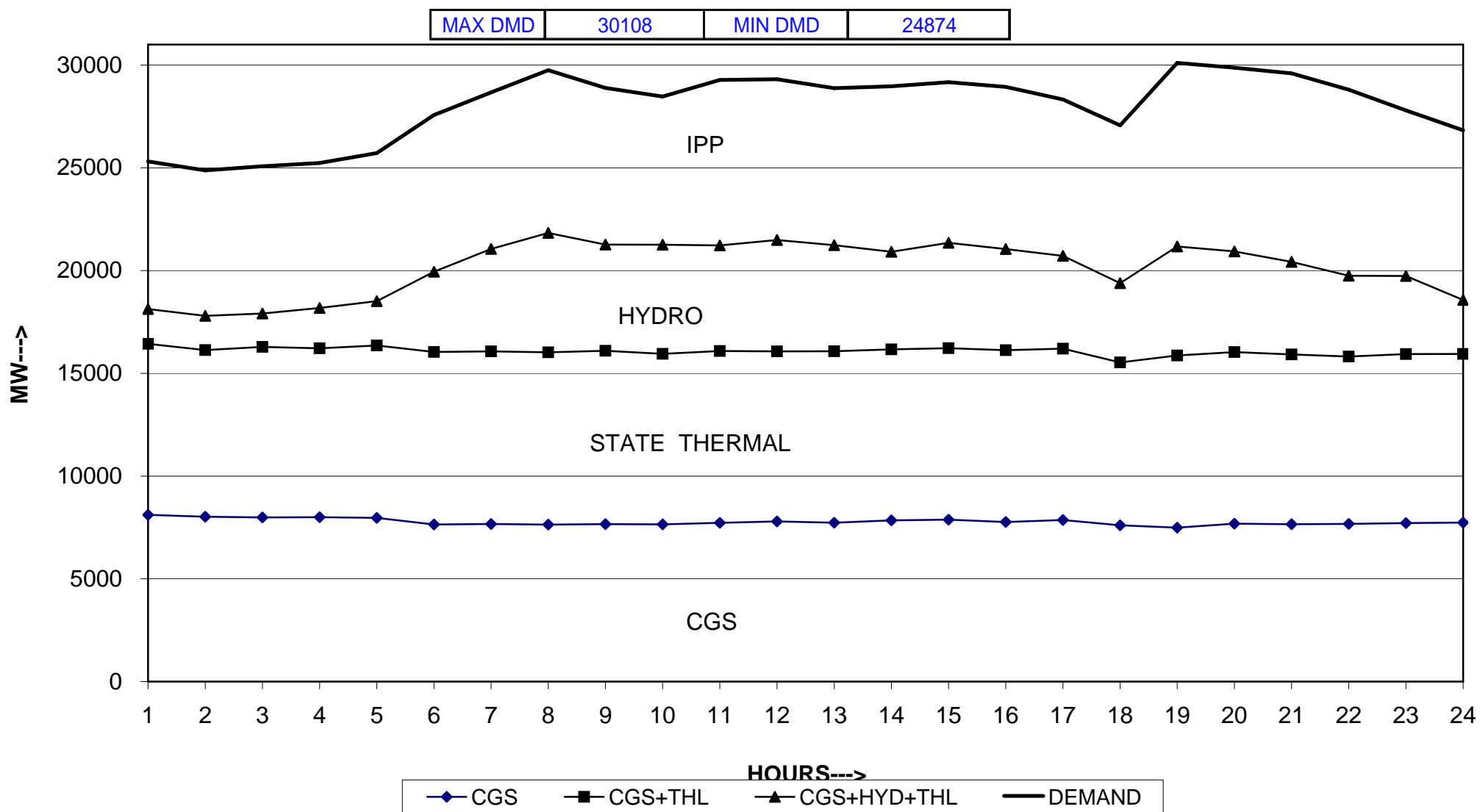
REGIONAL AVAILABILITY DURING THE MONTH OF MARCH 2011



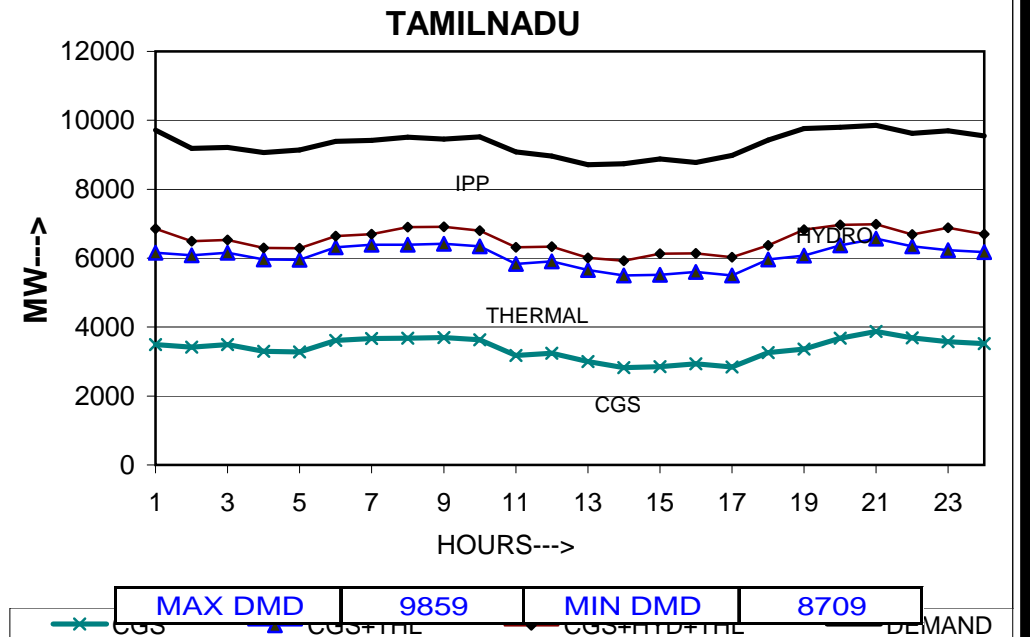
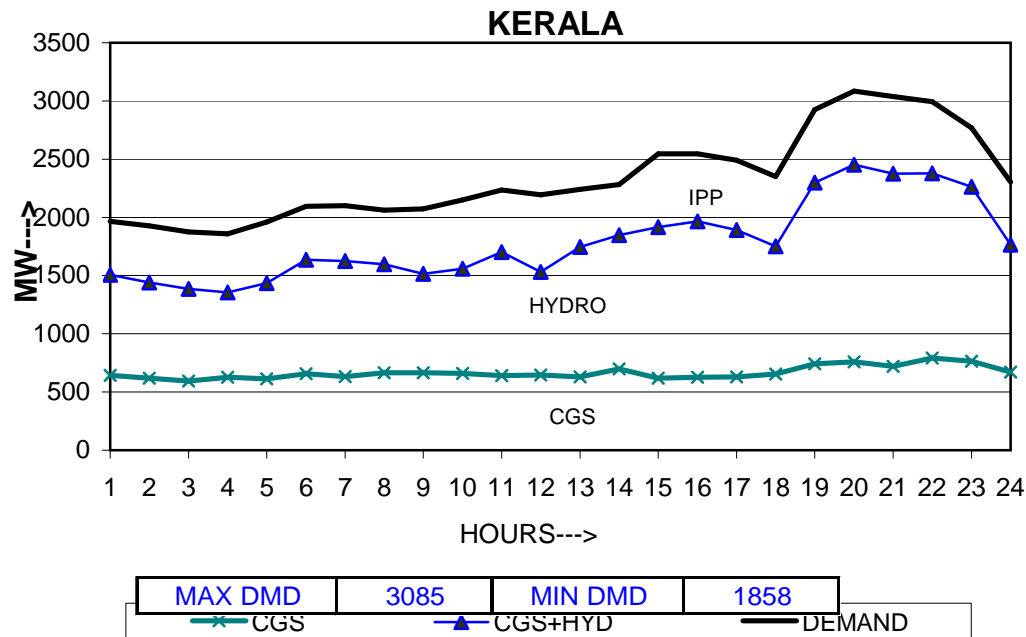
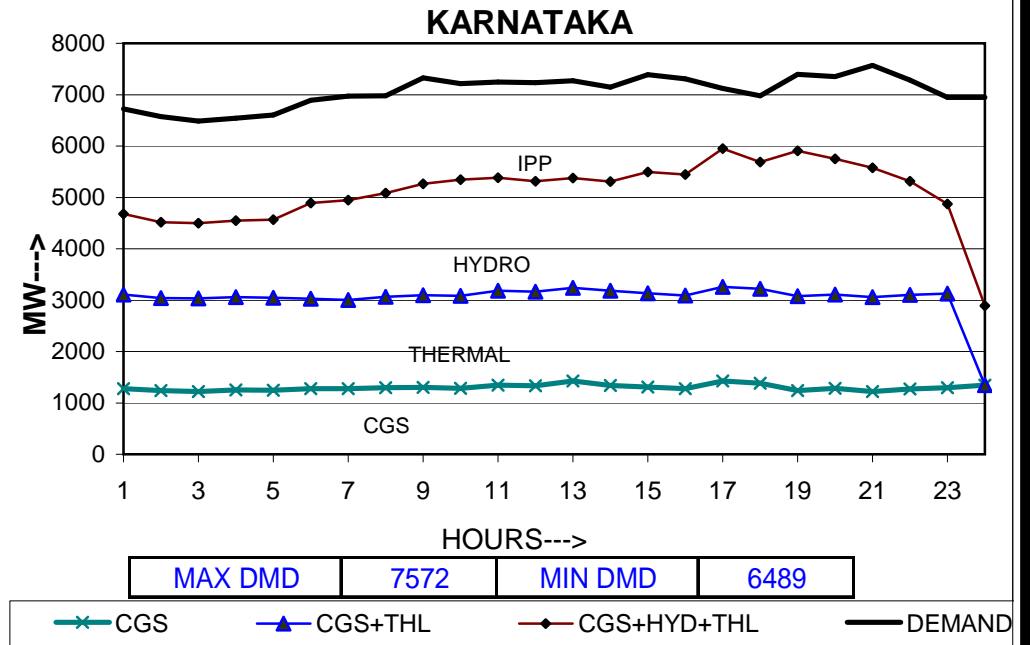
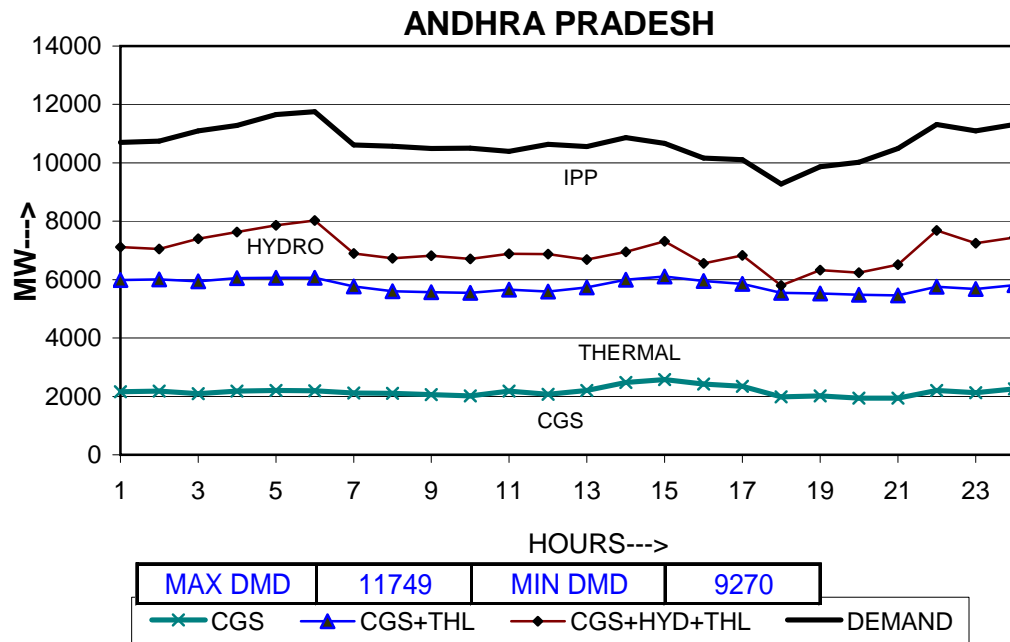
REGIONAL GENERATION AND DEMAND FOR PEAK DEMAND DAY 30.03.2011 (STACKED)



REGIONAL GENERATION AND DEMAND FOR MINIMUM DEMAND DAY 01.03.2011(STACKED)

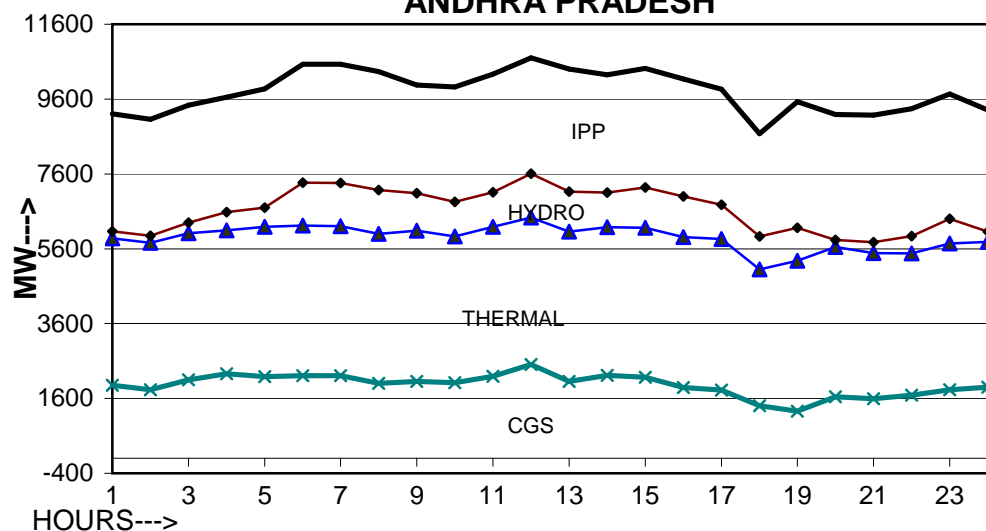


STATEWISE GENERATION AND DEMAND FOR PEAK DEMAND DAY 30.03.2011 (STACKED)



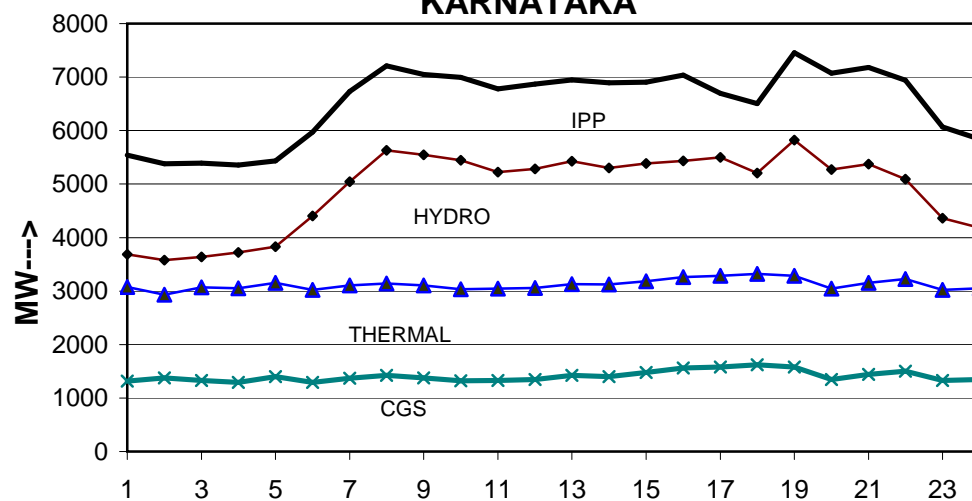
STATEWISE GENERATION AND DEMAND FOR MINIMUM DEMAND DAY 01.03.2011(STACKED)

ANDHRA PRADESH



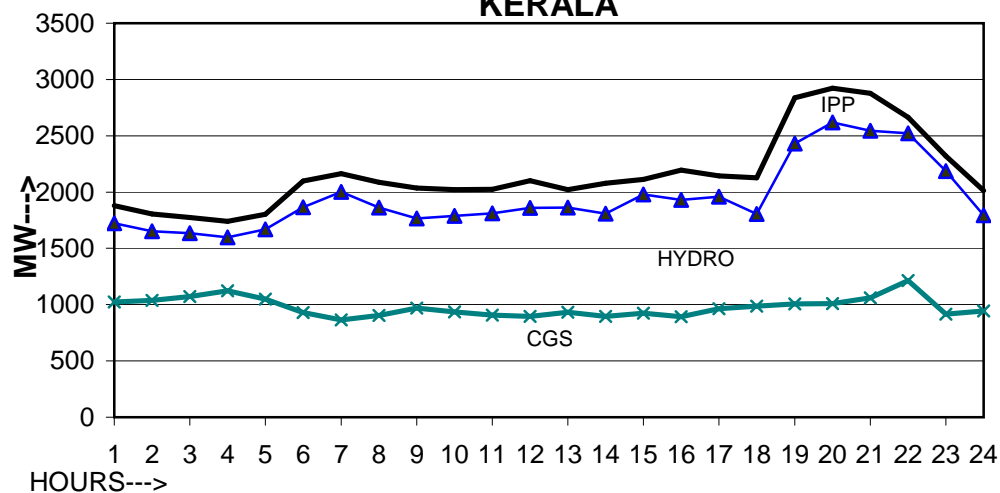
MAX DMD	10699	MIN DMD	8676
CGS	CGS+THL	CGS+HYD+THL	DEMAND

KARNATAKA



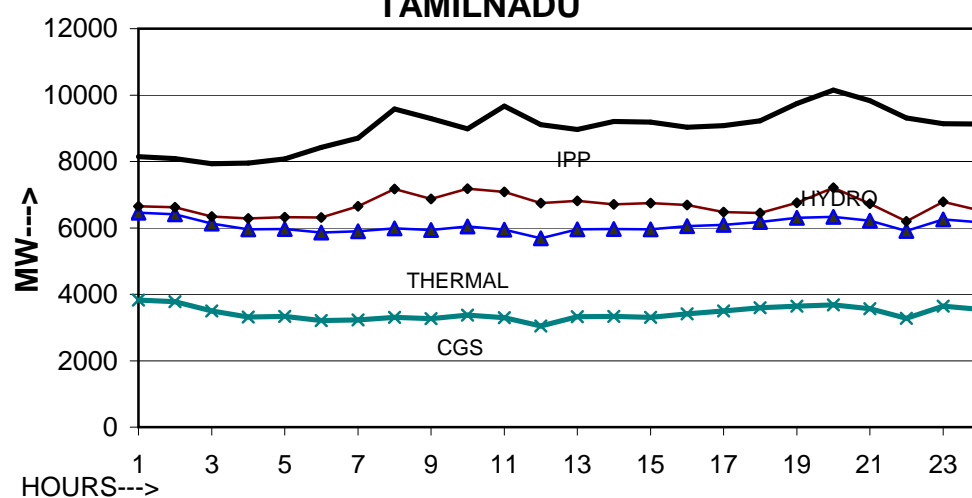
MAX DMD	7455	MIN DMD	5356
CGS	CGS+THL	CGS+HYD+THL	DEMAND

KERALA



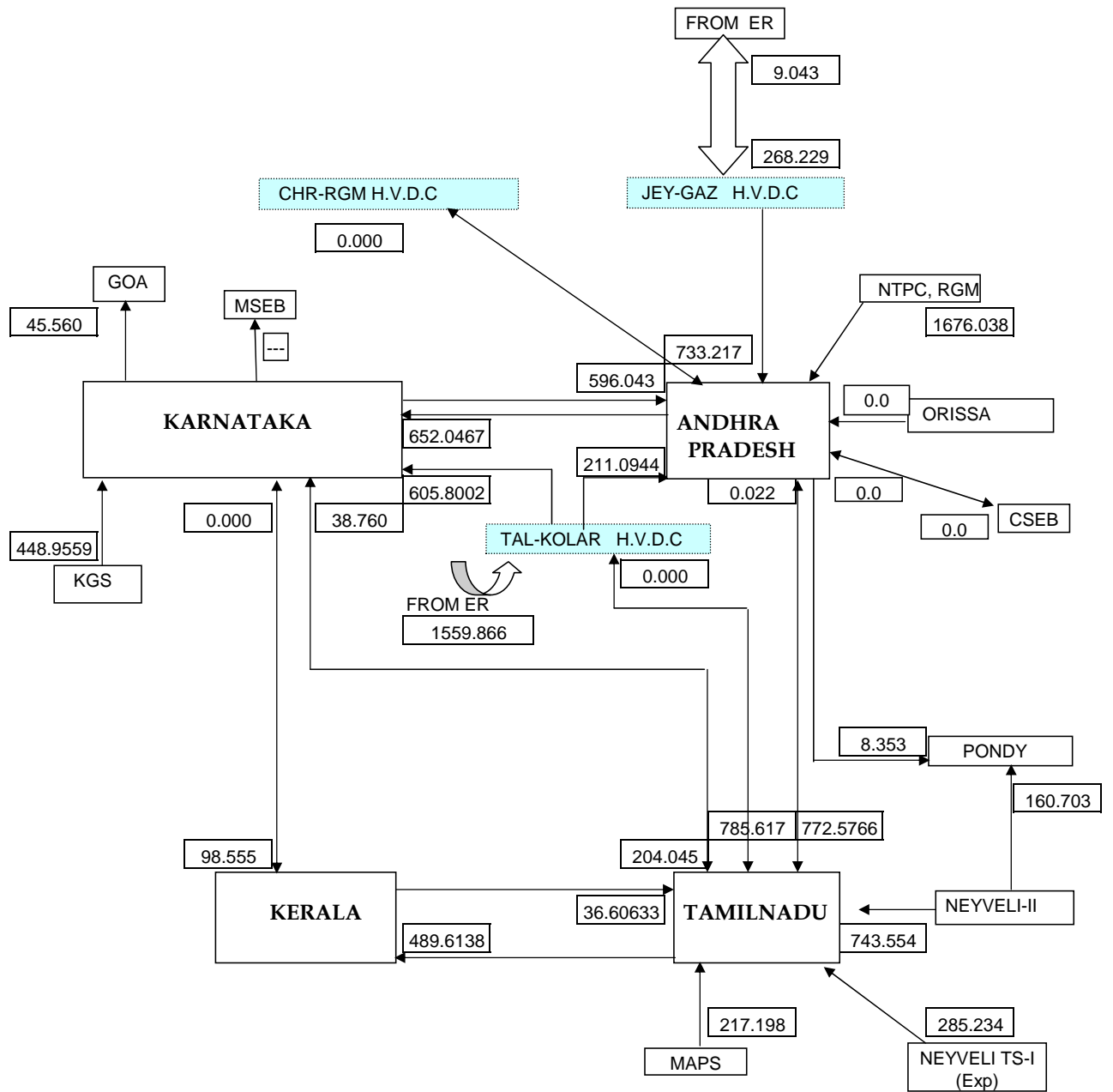
MAX DMD	2923	MIN DMD	1741
CGS	CGS+HYD	DEMAND	

TAMILNADU



MAX DMD	10148	MIN DMD	7937
CGS	CGS+THL	CGS+HYD+THL	DEMAND

ENERGY EXCHANGES FOR MARCH 2011 AMONG THE CONSTITUENTS (MU's)



दक्षिण क्षेत्र की नई उत्पादन योजनाओं की प्रगति की समीक्षा

REVIEW OF PROGRESS OF WORKS ON ONGOING/NEW GENERATION SCHEMES IN SOUTHERN REGION

Type	Sector	Station	Capacity (MW)	Progress/Status
Andhra Pradesh				
Hydro	State	Pochampad Expansion-4th Unit	9	Work completed. Will be commissioned once the reservoir is at MDDL
Gas based	Private	Isolated ONGC Gas Wells	27.42	27.04 MW commissioned.
RES	Private	Municipal Waste based	30.343	30.1 MW commissioned. 37.33 to be commissioned
RES	Private	Bio - mass based co-generation	36.25	29.25 MW commissioned. 37 to be commissioned
Hydro	State	Tail Pond PH at Nagarjunasagar	50	Unit 1 Mar 2011, Unit 2 June 2011
RES	Private	Industrial waste based	53.48	21.66 MW commissioned. 31.82 MW to be commissioned
RES	Private	Mini Hydel Projects (H)	141.7	104.4 MW commissioned. 37 MW to be commissioned
Thermal	State	Pulichintalla	120	Unit I: March 2011. Balance 3 Units in 3 months' interval
Thermal	State	Singareddipalli	200	Unit I: July 2012, Unit 2: Nov 2012, Unit 3: March 13, Unit 4: Nov 2013, Unit 5: March 14
Gas based	State	Integrated gassification combined cycle (IGCC) plant at Dr. NTTPS (JV)	1 x 182	2013-14
Hydro	State	Jurala HES (Priyadarsini)	234	U-(1-6) : Unit I: Commissioned on 28.03.2008, Unit II: Commissioned on 31.08.2008 & Unit III on 28.05.09. Unit IV on 28.08.2010, Unit V: Commissioned in Nov.2010, Unit VI: Mar. 11
Hydro	State	Lower Jurala	240	Unit I: Mar 2012, Balance 5 Units at 4 months interval by November 2013
RES	Private	Bagasse based Co-generation	380.25	270.8 MW commissioned. 150 MW to be commissioned.
Wind	Private	Wind Energy (W)	399.34	114.97 MW commissioned. 280 MW to be commissioned.
Hydro	State	Dummugudem	320	2013-15.
RES	Private	Bio - mass based power plant	331.5	190.5 MW commissioned. 34 MW to be commissioned.
Thermal	State	Sattupalli TPS	1 x 600	2013-14 (to be tied up)
Gas based	Private	Konaseema Combined Cycle Power Project	445	GT (280 MW) commissioned on 04.06.2009. ST (165 MW) commissioned on 30.06.2010.
Thermal	State	Kakatiya TPP (Bhoopalapalli) (T) Stage I	500	Commissioned on 27.05.2010
Thermal	State	Kakatiya TPP Stage-II	600	Oct. 2012.
Nuclear	State (JV)	Kadappa Nuclear Power Plant	2 x 1000	2014-16(To be tied up)
Thermal	State	Kothagudam TPS Stage-VI, Phase-I	500	Jan 2011.
Thermal	State	Vijayavada TPS Unit IV	500	Commissioned on 06.04.2009.
Mini PP	Private	Mini Power Plants	595.3	74.312 MW commissioned. 521 MW to be commissioned.
Thermal	State	Rayalaseema (T) Stage-III & IV	810	Unit-V (210MW) : Sep 2010. Unit-VI (600MW) 2003-14
Thermal	Private	Sridamodaram Sanjeevaiah TPP (Krishnapatnam JV Unit I)	800	41061
Thermal	Private	Sridamodaram Sanjeevaiah TPP (Krishnapatnam JV Unit II)	800	Dec-12
Thermal	State	Polavaram	960	2013 -16
Gas	State	Combined cycle gas based project near Karimnagar	2100	2013-15
Thermal	JV	Srikakulam TPS (JV)	2400	2014 - 16.(To be tied up)
Gas	Private	Lanco Kondapalli Ext Ph I	233	Commissioned on 05.12.2009.
Gas	Private	Lanco Kondapalli Ext Ph I (ST)	133	Commissioned on 19.07.2010

Type	Sector	Station	Capacity (MW)	Progress/Status
Karnataka				
Thermal	State	Raichur TPS, Unit-8	250	Commissioned on 26.06.2010
Hydro	State	Gundia Phase - I	400	XII Plan as per CEA
Thermal	State	Bellary -TPS Stage I Unit III	700	MoEF clearance obtained
Thermal	State	Bellary -TPS Stage I Unit I & II	1000	Unit I(500 MW) COD on 28.07.2008. Unit II Programmed to be commissioned during June 2011.
Thermal	State	RTPS Stg - II		All statutory clearances have been obtained including MoEF clearance.
		a) Yermarus TPS	1600	
		b) Edlapur TPS	800	MoEF clearance awaited
Thermal	Private	Annechakanahalli Phase I	1000	12th Plan
Thermal	Private	Kalgurki Phase I	1000	12th Plan
Thermal	Private	Yadagiri Phase I	1000	12th Plan
Thermal	Private	Nagarjuna TPP Unit I & II	1200	Unit - I (600 MW) commissioned on 23.07.2010. Unit -II (600 MW) commissioned 07-03-2011
Gas based	State	Bidadi Combined Cycle Power Plant	1400	Land required for the project has been acquired .
Gas based	State	Tadadi Combined Cycle Power Plant	2100	Pre-feasibility report prepared
Thermal	State	Mangalore TPS	1600	12th Plan
Thermal	State	Chattisgarh Pit Head Thermal Power Plant	1600	2015
Hydro	State	RM&U of Nagjhari PH Unit-4,5&6 (Peaking)	45	Unit IV Re-commissioned on 28.02.2008,V&VI will be completed by the end of August 2011.
Solar	State	3 MW each at Kolar, Raichur & Belgaum districts.	9	3 MW each at Kolar & Belgaum connected to the grid in December 09. 3 MW plant in Raichur District has been
Wind	JV	139.5 MW	139.5	Sites identified for Kappatagudda (39.5 MW), Guledagudda (100 MW). Preparation of DPRs in progress. Expected in XI or XII plan.
Hydro	State	Shivasamudram Seasonal Scheme	345	DPR is under preparation. XII plan as per CEA
Hydro	State	Additional Unit at Munirabad	10	XII Plan
Hydro	State	Additional unit at Ghataprabha	20	XII Plan
Kerala				
Hydro	State	Kuttiady Additional Extension	100	First unit commissioned on 11.10.2010. Second unit on 30.10.2010
Hydro	State	Neriamangalam Extension	25	Project commissioned on 25-5-2008. Balance finishing works in progress.
Hydro	State	Kuttiadi Tail Race	3.75	Unit #1 & 2 commissioned on 9-11-2008. Unit # 3 commissioned on 22-10-2009
Hydro	State	Pallivasal Extension	60	Civil works 29.79%, Mech works - 52.93% Overall progress- 29.26%. Date of completion as per agreement -01-03-2011. Expected date of completion June 2012.
Hydro	State	Adyanpara SHEP	3.5	Termination notice issued to the contractor on 28.08.09 and contractor has filed W.P against KSEB.
Hydro	State	Thottiyar	40	The work commenced on 16-1-2009. Excavation works in progress. Date of completion as per agreement 19-5-2012. Civil work 1.95%. Overall Progress- 0.92%.
Hydro	State	Ranni-Perunad SHP	4	The Works started on 16-11-2008. Excavation in progress. Date of completion as per agreement 22- 11-2010. Excavation in progress. Civil works- 31.46%
Hydro	State	Poozhithode	4.8	The work commenced on 3-4-2009. The date of completion as per agreement 30-9-2010. Excavation in progress. Concreting of channel started. Overall progress 55%
Hydro	State	Kuttiyar Diversion	37 Mu/ Annum	Balance work completed in May 2009 and diversion effected.
Hydro	State	Sengulam Aug. (85 Mu)	85 Mu/ Annum	Work awarded on 09.06.09. Agreement executed on 15.07.2009. Period of completion 48 months. Civil work 1.4%.
Hydro	State	Peechi	1.5	Tender invited on 24-2-2009. Price bid evaluation in progress.

Type	Sector	Station	Capacity (MW)	Progress/Status
Hydro	State	Athirapilly	163	Tendered on 8-10-2007. Re-tender quashed by Hon'ble High Court. Board filed writ appeal. Two PIL also filed against implemetation. Hearing is going on. Meanwhile a showcause notice dated 04.1.2010 was issued by MoEF why the enviornmental clearence should not be revoked. Reply was furnished by KSEB on 20.01.2010 and they have referred this to the Expert Appraisal Committee on River Valley and Hydro Electric Project. Hearing of expert committee held on 22.03.2010 & 23.04.2010.
Hydro	State	Barapole	15	Tender invited on 18.01.2010. Evaluation of PQ in progress.
Hydro	State	Chattankottunada Stage-II	6	Works awarded to CIPL-CPL-BFL consortiun. Agreement executed on 04.303.2010.Date of completion 31.03.2012.Preliminary works commenced.
Hydro	State	Vilangad H.E. Project	7.5	Tender invited on 10-6-2009.Board sanction accorded on 20.01.2010 to award the work.
Hydro	State	Mankulam	40	Tender invited for Civil Works on 05-6-2009. PQ evaluation in progress.
Hydro	State	Anakkayam H.E. Project	7.5	Tender invited for Civil Works on 31.12.2009.PQ
Hydro	State	Kakkayam Small HE Project	4	Schdeuled for tendering during August 2010
Hydro	State	Karapuzha Dam Toe	0.5	Earlier tender cancelled and works to be retendered.
Hydro	State	Perumthenaruvi Project	6	Tender invited for Civil Works on 23.11.2009.PQ evaluation in progress.
Hydro	State	Poringalkuthu LB Addl. Extn	24	DPR approved. Administrative sanction accorded on
Hydro	State	Pazhassi Sagar	20	Draft DPR prepared. Awaiting NOC from Irrigation Department
Hydro	State	Sengulam Tail Race Project	3.6	Schdeuled for tendering during September 2010.
Hydro	State	Chimony Small HE Project	2.5	Schdeuled for tendering during September 2010.
Hydro	State	Chembukkadavu Stage III	6	DPR approved.
Hydro	State	Peruvannamoozhy	7	DPR expected to be completed by July 2010.Schdeuled for tendering during ugust 2010.
Hydro	State	Upper Kallar Project	2	DPR approved. Preconstruction survey started.
Hydro	State	Peechad Project	3	DPR approved. Preconstruction survey started.
Hydro	State	Thumboormuzhi	8	DPR to be completed by August 2010
Hydro	State	Western Kallar	5	DPR being revised.
Hydro	State	Koodam	4.5	DPR approved.
Hydro	State	Chinnar	24	Pre-construction survey and property survey in progress. Design also in progress
Hydro	State	Sengulam Extension	48	Detailed survey to be conducted. DIR completed
Hydro	State	Kanthanpara	45	Detailed survey expected to be completed by February 2011
Hydro	State	Vythiri	60	DPR expected to be cmpleted by May 2011
Hydro	State	Ladrum	3.5	DIR completed. DPR preparation in progress
Hydro	State	Olikkal	4	DPR approved
Hydro	State	Poovaramthodu	2	DPR approved
Hydro	State	Marmala	4	DIR expected to be completed by October 2010
Hydro	State	Pambar	40	DPR approved. Administrative sanction to be obtained.
Hydro	State	Vakkallar	24	DPR approved. Administrative sanction to be obtained.
Hydro	State	Chathankottunada I	4.5	DPR expected to be completed by October 2010.
Hydro	State	Passukadavu	2	DPR expected to be completed by November 2010.
Hydro	Private	Ullunkal	7	Commercial operation started on 13-11-2008
Hydro	Private	Karikkayam	15	Work stopped since May 1998. Project takeover by Ayyappa Hydropower Ltd. Work resumed.
Hydro	Private	Bhoothathankettu	16	Allotted to M/s SILKAL Mettelergical Ltd. Termination notice issued.
Hydro	Private	Iruttukanam	3	Allotted to Viyat Power Pvt. Ltd. Work in progress.
Hydro	Private	Alamparathode	3	Allotted to M/s Jalashaayi Alamparathode Hydro Power Ltd.
Hydro	Private	Mukkuttathode	3	Allotted to M/s Sree Adisakthi Mukkathode Hydro Power Ltd.
Hydro	Private	Upper Vattapara-	3	Alloted to M/s Vattapara Hydro Projects (P) Ltd.
Hydro	Private	Kurumpetty-	3.5	Alloted to Kurumpetty Hydro Project (P) Ltd
Hydro	Private	Upper Poringal	7	Alloted to Upper Poringal Hydro Projects (P) Ltd.
Hydro	Private	Lower Vattapara	7	Alloted to Palakkayam Hydro Projects (P) Ltd

Type	Sector	Station	Capacity (MW)	Progress/Status
Hydro	Private	Palchuram	3.5	Allotted to Sree Kailas Palchuram Hydro Power Ltd
Hydro	Private	Thuvallar	4	Allotted to Binani Industries
Hydro	Private	Attle	6	Allotted to Binani Industries
Hydro	Private	Kurishadi	0.75	Allotted to M/s Sree Lakshmi Electro smelters Ltd
Wind	Private	Agali	16.2	27 Units of 0.6 MW each completed
Wind	Private	Ramakkalmedu	14.25	19 units of 0.75 MW each completed
Tamil Nadu				
Hydro	State	Periyar Vaigai SHEP - I	2 x 2	June - 10, Nov - 10
Hydro	State	Periyar Vaigai SHEP - II	2.5	Nov - 10
Hydro	State	Periyar Vaigai SHEP - III	4	2010 - 11
Hydro	State	Periyar Vaigai SHEP - IV	2.5	Nov - 10
Hydro	State	Bhavani Barrage I (2x5 MW)	10	May - 11
Hydro	State	Bhavani Barrage II (2x5 MW)	10	Dec - 10
Hydro	State	Bhavani Kattalai Barrage II (2x15 MW)	30	May - 11
Hydro	State	Bhavani Kattalai Barrage III (2x15 MW)	30	Jun - 11
Thermal	State	North Chennai TPS Stage -II, (2 x 600 MW)	2 x 600	Nov -11
Thermal	JV	NLC-TNEB at Tuticorin Unit I, (500 MW) Unit II, (500 MW)	2x500	Unit I-Aug-12, Unit II-Oct-12
Thermal	State	Mettur TPS Stage - III (1x600 MW)	600	Sep-11
Thermal	State	Ennore TPS Annexe (1x600 MW)	600	Sep-13
Thermal	JV	TNEB-BHEL JV at Udabgudi (2x800 MW)	1215	Unit I - Mar-13, Unit II Sep-13
Thermal	State	Ennore (SEZ) TPS at Kattupalli (2x600 MW)	1200	2015 - 16
Hydro	State	Kundah Pumped Storage HEP Phase I (1x125 MW)	125	Proposal to develop under JV
Hydro	State	Kundah Pumped Storage HEP Phase II (3x125 MW)	375	Clearance awaited
Hydro	State	Mettur Pumped Storage HEP	500	Preliminary Stage
Hydro	State	Vellimalai Pumped Storage HEP	200	Preliminary Stage
Hydro	State	Small HEP proposed to be developed by Private Promoters	118	Preliminary Stage
Hydro	State	Moyar Ultimate Stage HEP	25	Preliminary Stage
Hydro	State	Kollimalai HEP	520	Preliminary Stage
Gas	State	Basin Bridge Closed loop conversion (120 MW to 220 MW)	100	Subject to availability of gas
Thermal	UMPP	Cheyur at Tamil Nadu	1860	Land acquisition under progress
Thermal	Private	Cuddalore IPP (2 x 660 MW)	1320	PPA signed
Thermal	JV	Vallur TPP (JV with NTPC)-Stg I- Phase I 2x 500 MW, Phase-II-	1500	Stg- I: Unit 1 - Oct 2011 Unit -II Dec 2011 Unit - III - Dec 2012
Thermal	JV	Vallur TPP (JV with NTPC)-Stg I- Phase I 2x 500 MW, Phase-II- 1 x 500 MW	1500	Stg- I: Unit 1 - Oct 2011 Unit -II Dec 2011 Unit - III - Dec 2012
Central				
Thermal	Central	Neyveli TS-II (Expansion) (NLC)	2x250	Unit 1- March 2011 ,Unit 2 June 2011
Thermal	Central	Jayamkondam Lignite (NLC)	1600	12th Plan
Thermal	Central	Neyveli TS-III (NLC)	1000	12th Plan
Nuclear	Central	Kaiga Stage-II (NPCIL)	220	Unit- 4: Commissioned 20-01-2011
Nuclear	Central	Kalpakkam (PFBR)	500	40969
Nuclear	Central	Kudankulam (NPCIL)	2000	Unit I : June 2011, Unit II: March 2012
Thermal	Central	Simhadri Expansion	1000	Unit -I Jan-2011 Test Run on 31-03-2011, Unit II June 2011
Gas based	Central	Kayamkulam CCGP Module 1 to 3 (NTPC)	1050/1950	12th Plan(2013)
UMPP				
Thermal	Private	Cheyur in Tamil Nadu	4000	2015-17
Thermal	Private	Krishnapattanam in AP	660 x 6	Unit I - June 2013 to July 2015
Joint Venture				
Thermal	JV	Srikakulam TPS (JV) - AP	2400	2014 - 16. To be tied up
Nuclear	State (JV)	Kadappa Nuclear Power Plant - AP	2 x 1000	2014-16
Thermal	JV	NLC-TNEB at Tuticorin Unit I, (500 MW) Unit II, (500 MW)	2x500	Unit I-May-12, Unit II-Oct-12
Thermal	JV	TNEB-BHEL JV at Udabgudi (2x800 MW)	1215	Unit I - Mar-13, Unit II Sep-13
Thermal	JV	Vallur TPP (JV with NTPC)-Stg I- Phase I 2x 500 MW, Phase-II- 1 x 500 MW	1500	Stg- I: Unit 1 - Oct 2011 Unit -II Dec 2011 Unit - III - Dec 2012
(Data Collected from SRPC)				