



प्रणाली प्रचालन विवरण SYSTEM OPERATION REPORT

मार्च 2012
MARCH 2012

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 2012**

A)SUMMARY REPORT

I)IMPORTANT EVENTS

a)COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/CGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	ANDHRA PRADESH		3.000	SOLAR	01-03-2012
2	I P P (TAMIL NADU)	TIRUNELVELI & UDUMALPET	274.100	WIND	31-03-2012

* Data Received late from States

b)COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME & CKT NO.	KV	LENGTH (KM)	DATE
1	APTRANSCO	MALAKRAM - GUNROCK - 1	220	32.10	31-03-2012
2	APTRANSCO	MALAKRAM - GUNROCK - 2	220	32.10	31-03-2012
3	APTRANSCO	LILO OF VALTUR - JURALA AT JURALA HYDRO	220	0.32	22-03-2012
4	APTRANSCO	GUDAMPADU - MIRIYALAGUDA - 2	220	99.09	31-03-2012

c)COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
		NIL			

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	1823.31	1941.11	117.80
KPTCL	1089.64	1115.62	25.98
KSEB	885.98	946.91	60.93
TNEB	1880.94	1976.88	95.94
PONDY	244.77	186.63	-58.14
GOA	63.72	61.13	-2.59

III) Inter/Intra Regional exchanges in MU's

SCHEDULED INTER REGIONAL AND INTRA REGIONAL EXCHANGES OF POWER DURING MARCH 2012

FROM		TO		TRADER	Wheeled Through	Total Energy Flow (MU)
UTILITY	REGION	UTILITY	REGION			
GOA	SR	GOA	WR	-	WHEELING	1.114
KPTCL(JSWEL)	SR	TNEB(JSWSALEM)	SR	JSWPTC	INTRA REGIONAL	2.942
KPTCL(JSWEL)	SR	TNEB(JSWSMETTUR)	SR	JSWPTC	INTRA REGIONAL	0.500
KPTCL(GODBIOREF)	SR	APTRANSCO (APPC)	SR	KISPL	INTRA REGIONAL	9.118
LKPPL	SR	APTRANSCO (APPC)	SR	NETS	INTRA REGIONAL	104.450
LKPPL	SR	KPTCL (BESCOM)	SR	NETS	INTRA REGIONAL	6.877
LKPPL	SR	MEENAKSHI	SR	NETS	INTRA REGIONAL	1.008
POWER EXCHANGES						
IEX	ER/WR	APTRANSCO	IMPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER -HVDC AT C'PUR	44.112
IEX	ER/WR	KPTCL	IMPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	5.000

SCHEDULED INTER REGIONAL AND INTRA REGIONAL EXCHANGES OF POWER DURING MARCH 2012						
FROM		TO		TRADER	Wheeled Through	Total Energy Flow (MU)
UTILITY	REGION	UTILITY	REGION			
IEX	ER/WR	KSEB	IMPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	29.909
IEX	ER/WR	TNEB	IMPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	75.113
IEX	ER/WR	APTRANSCO	EXPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	19.847
IEX	ER/WR	KPTCL	EXPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
IEX	ER/WR	KSEB	EXPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.338
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	1.996
PXI	ER/WR	KPTCL	IMPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.586
PXI	ER/WR	KSEB	IMPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	7.507
PXI	ER/WR	TNEB	IMPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	19.261
PXI	ER/WR	APTRANSCO	EXPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.320
PXI	ER/WR	KPTCL	EXPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	ER/WR	KSEB	EXPORT	IEX	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	ER/WR	LKPPL	EXPORT	PXI	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
WRLDC(JINDALPOW)	WR	APTRANSCO (APPC)	SR	JPL	HVDC GAZUWAKA, I/C AT TALCHER	40.399
RAJASTHAN (RPPC)	NR	APTRANSCO (APPC)	SR	NVNL	HVDC GAZUWAKA, I/C AT TALCHER	1.079
CSEB(BALCO)	WR	APTRANSCO (APPC)	SR	PTC	HVDC GAZUWAKA, I/C AT TALCHER	8.794
ORISSA(STERENERGY)	ER	APTRANSCO (APPC)	SR	PTC	HVDC GAZUWAKA, I/C AT TALCHER	8.542
CSEB(CSPDCL)	WR	KPTCL(BESCOM)	SR	NETS	HVDC GAZUWAKA, I/C AT TALCHER	19.442
HPSEB(ADHPL)	NR	KPTCL(BESCOM)	SR	PTC	HVDC GAZUWAKA, I/C AT TALCHER	3.765
HPSEB(MALANAPOW)	NR	KPTCL(BESCOM)	SR	PTC	HVDC GAZUWAKA, I/C AT TALCHER	3.041
HPSEB(KARCHWANG)	NR	KPTCL(BESCOM)	SR	TATA	HVDC GAZUWAKA, I/C AT TALCHER	20.508
DELHI(BSESRL)	NR	KSEB	SR	GMRETL	HVDC GAZUWAKA, I/C AT TALCHER	27.294
DELHI(NDPL)	NR	KSEB	SR	IEX	HVDC GAZUWAKA, I/C AT TALCHER	0.845
DVC	ER	KSEB	SR	IEX	HVDC GAZUWAKA, I/C AT TALCHER	0.900
PSEB(PSPCL)	NR	KSEB	SR	IEX	HVDC GAZUWAKA, I/C AT TALCHER	0.900
RAJASTHAN (SHRECEMTPS)	NR	KSEB	SR	IEX	HVDC GAZUWAKA, I/C AT TALCHER	1.444
WBSETCL(WBSEDCL)	ER	KSEB	SR	IEX	HVDC GAZUWAKA, I/C AT TALCHER	5.834
PSEB(PSPCL)	NR	KSEB	SR	JSWPTC	HVDC GAZUWAKA, I/C AT TALCHER	10.629
CSEB(VANDANVIDT)	WR	KSEB	SR	NVNL	HVDC GAZUWAKA, I/C AT TALCHER	1.364
WBSETCL(WBSEDCL)	ER	KSEB	SR	NVNL	HVDC GAZUWAKA, I/C AT TALCHER	1.730
DVC	ER	TNEB	SR	IEX	HVDC GAZUWAKA, I/C AT TALCHER	0.400
MPSEB(MPTRADECO)	WR	TNEB	SR	IEX	HVDC GAZUWAKA, I/C AT TALCHER	2.975
WBSETCL(WBSEDCL)	ER	TNEB	SR	IEX	HVDC GAZUWAKA, I/C AT TALCHER	1.717
WRLDC(JINDALPOW)	WR	TNEB (TANGEDCO)	SR	JPL	HVDC GAZUWAKA, I/C AT TALCHER	13.285
ORISSA(STERENERGY)	ER	TNEB (TANGEDCO)	SR	NVNL	HVDC GAZUWAKA, I/C AT TALCHER	6.364
WBSETCL(WBSEDCL)	ER	TNEB	SR	PXIL	HVDC GAZUWAKA, I/C AT TALCHER	3.752
DELHI(BSESRL)	NR	TNEB (TANGEDCO)	SR	RETL	HVDC GAZUWAKA, I/C AT TALCHER	3.036
GUJARATH (GUVNL)	WR	TNEB	SR	TNEB	HVDC AT C'PUR	39.468
APTRANSCO (APPC)	WR	MPSEB(MPPTCL)	WR	MITTAL	HVDC AT C'PUR	0.700
CSEB(BALCO)	WR	APTRANSCO (APCPDCL)	SR	PTC	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
CSEB(MSPSTLPOW)	WR	APTRANSCO (APCPDCL)	SR	KISPL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	1.801

SRLDC/GOR/MARCH 2012

SCHEDULED INTER REGIONAL AND INTRA REGIONAL EXCHANGES OF POWER DURING MARCH 2012						
FROM		TO		TRADER	Wheeled Through	Total Energy Flow (MU)
UTILITY	REGION	UTILITY	REGION			
CSEB(ACBINDIA)	WR	APTRANSCO (APCPDCL)	SR	KISPL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	4.392
CSEB(SALASARSTL)	WR	APTRANSCO (APCPDCL)	SR	KISPL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	2.448
CSEB(VANDANGLOB)	WR	APTRANSCO (APCPDCL)	SR	KISPL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	2.753
GUJARATH(VARSAISPT)	WR	APTRANSCO (APCPDCL)	SR	KISPL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	3.050
CSEB(CHATSTEEL)	WR	APTRANSCO (APCPDCL)	SR	KISPL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	5.282
RAJASTHAN (SHRECEMCPP)	NR	APTRANSCO (APCPDCL)	SR	SREECEMENT	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	15.103
ORISSA(AARTISTEEL)	ER	APTRANSCO (APCPDCL)	SR	INSTINCT	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	9.028
RAJASTHAN (SHRECEMTPS)	NR	APTRANSCO (APCPDCL)	SR	SREECEMENT	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	40.771
CSEB(CSPDCL)	WR	APTRANSCO (APCPDCL)	SR	NVVNL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	15.103
CSEB(PRAKASHIND)	WR	APTRANSCO (APCPDCL)	SR	KISPL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	19.642
ORISSA(STERENERGY)	ER	APTRANSCO (APCPDCL)	SR	TATA	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	28.897
WR(JINDALPOW)	WR	APTRANSCO (APCPDCL)	SR	PTC	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	45.310
WR(JINDALPOW)	WR	APTRANSCO (APCPDCL)	SR	NVVNL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	60.413
WR(JINDALPOW)	WR	APTRANSCO (APCPDCL)	SR	JPL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	90.694
(MTOA)NSPCLBHIL(CSEB)	WR	KPTCL(SAIL_VISL)	SR	SAIL_VISL	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	8.124
GUJARATH (GUVNL)	WR	TNEB (TANGEDCO)	SR	TANGEDCO	HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	151.106

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

	FREQUENCY (HZ)	DATE	FVI	DATE
MAXIMUM	50.79	08-Mar-2012	1.70	23-Mar-2012
MINIMUM	48.84	27-Mar-2012	0.96	08-Mar-2012
AVERAGE	49.64		1.43	

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	0.02	8.05	91.75	0.18

V) POWER SUPPLY POSITION FOR THE MONTH

	AP	KAR	KER	TN	PONDY	REGION
UNRESTRICTED PEAK DEMAND(MW)	13434	10190	3508	11658	315	36324
PEAK DEMAND MET (MW)	11972	8549	3348	10242	311	33037
UNRESTRICTED ENERGY REQMT(MU)	9287	6414	1899	7988	189	25778
ENERGY MET (MU)	7874	5479	1855	6016	187	21410

B) DETAILED REPORTS.

I. Detailed State wise breakup of installed capacity (MW)

AGENCY	HYDRO	THERMAL	GAS/DIESEL	WIND/OTHERS	NUCLEAR	TOTAL
ANDHRA PRADESH	3830.56	5092.50	272.00	3.00	---	9198.06
KARNATAKA	3669.45	2220.00	127.92	13.55	---	6030.92
KERALA	1945.85	---	234.60	2.03	---	2182.48
TAMILNADU	2190.70	2970.00	516.00	17.56	---	5694.26
PONDICHERRY	---	---	32.50	---	---	32.50
CENTRAL SECTOR	---	8590.00	359.58	---	1320.00	10269.58
IPP	532.40	2073.80	5572.31	10815.62	---	18994.12
TOTAL	12168.96	20946.30	7114.91	10851.75	1320.00	52401.91

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	ANDHRA PRADESH	APCPDCL(SAI SUDHIR) CUDDAPAH DISTRICT	3.000	SOLAR	01-03-2012
2	I P P (TAMIL NADU)	TIRUNELVELI & UDUMALPET	274.100	WIND	31-03-2012

(II) SALIENT FEATURES OF SYSTEM CONDITIONS.

INSTALLED CAPACITY DERATED (MW)	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	CENTRAL SECTOR	IPP	REGIONAL
Mar-2011	8657	6022	2176	5690	32.5	9770	17817	50164
Mar-2012	9198	6031	2182	5694	32.5	10270	18994	52402
% INCREASE	6.25	0.15	0.28	0.07	0.00	5.12	6.61	4.46

ENERGY (GROSS) Unrestricted Requirement(MU)	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	REGIONAL
Mar-2011	8159	5481	1727	7603	183	23152
Mar-2012	9287	6414	1899	7988	189	25778
Energy Availability (MU)						
Mar-2011	7922	5001	1696	6964	181	21763
Mar-2012	7874	5479	1855	6016	187	21410
Shortage(-)/ Surplus(+)						
Mar 2011 (MU) / %	-237 (-2.9)	-480 (-8.8)	-31 (-1.8)	-638 (-8.4)	-3 (-1.4)	-1389 (-6.0)
Mar 2012 (MU) / %	-1413 (-15.2)	-936 (-14.6)	-45 (-2.3)	-1972 (-24.7)	-2 (-1.3)	-4368 (-16.9)

DEMAND	APTRANSCO	KPTCL	KSEB	TNEB	PONDY	REGIONAL
Unrestricted Demand (MW)						
Mar-2011	11927	8427	3149	11614	306	34205
Mar-2012	13434	10190	3508	11658	315	36324
Availability (MW)						
Mar-2011	11829	7743	3119	10789	301	31927
Mar-2012	11972	8549	3348	10242	311	33037
Shortage(-)/ Surplus(+)						
Mar 2011 (MW) / %	-98 (-0.8)	-684 (-8.1)	-30 (-0.9)	-825 (-7.1)	-5 (-1.6)	-2278 (-6.7)
Mar 2012 (MW) / %	-1462 (-10.9)	-1641 (-16.1)	-160 (-4.6)	-1416 (-12.1)	-4 (-1.3)	-3287 (-9.0)

III)VOLTAGE PROFILE

MAXIMUM AND MINIMUM VOLTAGES (KV) AND VOLTAGE RANGE (PERCENTAGE)

STATION	MAXIMUM	MINIMUM	< 360	360 - 380	380 - 420	>420
RAMAGUNDAM	414	399	0.00	0.00	100.00	0.00
HYDERABAD	421	397	0.00	0.00	94.95	5.05
BANGALORE	413	373	0.00	2.51	97.49	0.00
MADRAS	417	377	0.00	0.34	99.63	0.03
NEYVELI	418	399	0.00	0.00	100.00	0.00

IV) PERFORMANCE OF CONSTITUENTS
**ENERGY GENERATED BY GENERATING STATIONS / UNITS IN
SOUTHERN REGION DURING MARCH 2012**
ANDHRA PRADESH

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION		
			Mar-12	From 01-04-11 To 31-03-2012	
HYDRO					
1	MACHKUND	3x(23+17)x70%	= 84.00	19.74	232.16
2	T.B.DAM	(8x9)x80%	= 57.60	9.81	164.14
3	UPPER SILERU	4x60	= 240.00	68.47	417.85
4	DONKARAYI	1x25	= 25.00	15.53	131.58
5	LOWER SILERU	4x115	= 460.00	124.08	1036.21
6	SRISAILAM RBPH	7x110	= 770.00	45.85	1226.01
7	SRISAILAM LBPH	6x150	= 900.00	59.86	1388.27
8	N'SAGAR	1x110+7x100.8	= 815.60	43.93	1136.52
9	NSR RT.CANAL.P.H	3x30	= 90.00	0.00	155.45
10	NSR LT.CANAL.P.H	2x30	= 60.00	0.00	68.50
11	NIZAMSAGAR	2x5	= 10.00	4.03	25.38
12	POCHAMPAD	4x9	= 36.00	7.48	89.87
13	PENNA AHOBILAM	2x10	= 20.00	0.00	6.05
14	SINGUR	2x7.5	= 15.00	1.04	14.88
15	JURALA	6x39	= 234.00	0.00	208.27
16	MINI HYDEL	13.36	= 13.36	0.60	3.81
	TOTAL		3830.56	400.42	6304.93
THERMAL					
COAL					
1	RAMAGUNDAM-B	1x62.5	= 62.50	44.10	455.50
2	KOTHAGUDEM-A	4x60	= 240.00	159.80	1782.01
3	KOTHAGUDEM-B	2x120	= 240.00	137.99	1646.53
4	KOTHAGUDEM-C	2x120	= 240.00	145.58	1574.03
5	KOTHAGUDEM-D	2x250	= 500.00	343.91	3532.18
6	KOTHAGUDEM ST VI	1x500	= 500.00	375.56	2354.55
7	VIJAYAWADA	6x210 + 1x500	= 1760.00	1278.98	14347.18
8	RAYALASEEMA	5x210	= 1050.00	732.93	8037.32
9	KAKATIYA TPP 1	1x500	= 500.00	377.11	2468.57
	TOTAL		5092.50	3595.97	36197.86
GAS/NAPTHA/DIESEL					
1	VIJESWARAM STAGE 1 (GAS)	2x33+1x34	= 100.00	0.00	241.03
2	VIJESWARAM STAGE 2 (GAS)	1x112.5+1x59.5	= 172.00	114.97	1249.02
	TOTAL		272.00	114.97	1490.04
WIND MILL					
1	WIND	2	= 2.00	0.00	0.00
2	SOLAR	1	= 1.00	0.00	0.00
	TOTAL		3.00	0.00	0.00
IPP					
HYDRO					
1	MINI HYDRO	104.4	= 104.40	6.00	151.00
COAL					
2	CAPTIVE POWER PLANTS	0	= 0.00	93.83	579.09
GAS/NAPTHA/DIESEL					
3	JEGURUPADU (GAS)	2x45.8+1x48.9+1x75.5	= 216.82	131.17	1451.10
4	GVK EXTENSION(GAS)	1x145+1x75	= 220.00	80.46	1318.87
5	SPECTRUM (GAS)	1x46.8+2x46.1+1x68.88	= 208.31	102.71	1253.88
6	LANCO (GAS)	2x115+1x125	= 351.49	182.31	1978.14
7	ISOLATED GAS WELL (GAS) (LVS)	27.04	= 27.04	10.00	20.00
8	RELIANCE ENERGY LTD. (GAS)	1x140+1x80	= 220.00	108.49	1287.08
9	VEMAGIRI POWER GENERATION LTD.(GAS)	1x233+1x137	= 370.00	121.21	2013.69
10	GAUTAMI CCPP	2x145 + 1x174	= 464.00	159.92	2818.04
11	KONASEEMA CCPP	145.9911+140.0899+165	= 444.08	137.97	2201.85
12	GMR (BARG)	237	= 237.00	100.00	954.83
WIND					
13	WINDMILL	187.74	= 187.74	3.00	67.63
14	SOLAR (Cuddapah, Ananthpur, MehboobNagar,Chittoor)	17	= 17.00	0.00	0.00
OTHERS					
15	RCL	41	= 41.00	27.01	263.59
16	BAGASSE+BIOMASS+WASTE BASED PP+CO-GENERATION (NC)	270.8+190.50+29.25+15.66+6+30.1	= 542.31	341.12	1322.47
17	MINI POWER PLANTS	74.31	= 74.31	130.00	260.00
	TOTAL		3725.50	1735.20	17941.25
	TOTAL ANDHRA PRADESH		12923.560	5846.56	61934.09

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-12	From 01-04-11 To 31-03-2012
HYDRO				
1	SHARAVATHI	10x103.5 = 1035.00	672.55	5710.02
2	LINGANAMAKKI.P.H.	2x27.5 = 55.00	30.95	306.40
3	JOG (MGHES)	4x21.6+4x13.2 = 139.20	14.79	236.72
4	NAGJHERI	1x135+5x150 = 885.00	464.30	3671.74
5	SUPA	2x50 = 100.00	57.82	553.97
6	VARAHI	4x115 = 460.00	95.38	1135.55
7	BHADRA POWER HOUSE	1x7+2x12.1+1x2+6 = 39.20	8.18	73.49
8	SIVANSAMUDRAM	6x3+4x6 = 42.00	20.82	335.64
9	SHIMSHA	2x8.6 = 17.20	0.11	43.22
10	MUNIRABAD	3x9 = 28.00	0.78	98.02
11	T.B.DAM SHARE (20 %)	8x9(20%) = 14.40	2.38	40.19
12	GHATAPRABHA	2x16 = 32.00	3.52	100.90
13	MANI DAM.P.H.	2x4.5 = 9.00	2.75	20.66
14	MINI HYDRO	1.4+0.35+2.7 = 4.45	0.00	0.01
15	MALLAPUR	2x4.5 = 9.00	0.00	0.00
16	KADRA	3x50 = 150.00	38.29	487.70
17	KODASALLI	3x40 = 120.00	40.63	455.49
18	SHARAVATHI TAIL RACE	4x60 = 240.00	56.18	582.59
19	ALMATTI	1x15+5x55 = 290.00	1.79	521.50
	TOTAL	3669.45	1511.21	14373.82
THERMAL				
COAL				
1	RAICHUR.T.PS.	7x210 +1x250 = 1720.00	1097.55	10483.74
2	BELLARY TPS	1x 500 = 500.00	248.02	3106.94
	TOTAL	2220.00	1345.57	13590.68
GAS/NAPHTA/DIESEL				
1	YELEHANKA (DIESEL)	6x21.32 = 127.92	27.73	415.64
	TOTAL	127.92	27.73	415.64
WIND				
1	KAPPATAGUDDA	4.55 = 4.55	0.00	2.22
2	SOLAR	9.00 = 9.00	0.00	0.00
	TOTAL	13.55	0.00	2.22
IPP				
HYDRO				
1	MINI HYDEL	385 = 385.00	0.00	0.00
COAL				
2	UPCL(THERMAL)	1x600 = 600.00	413.29	3205.14
3	JINDAL (COAL & COREX)	2x130+3x300 = 1160.00	566.99	5434.37
GAS/NAPHTA/DIESEL				
4	TATA ELECTRIC (DIESEL)	5x16.26 = 79.11	42.34	186.18
5	RAYAL SEEMA ALKALIES (DIESEL)	3x12 = 27.80	0.60	29.23
WIND				
6	WIND MILL	1330 = 1330.00	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	551.78	7557.78
9	BIO-MASS	97.3 = 97.30	0.00	0.00
	TOTAL	4455.21	1575.00	16412.70
	TOTAL KARNATAKA	10486.125	4459.51	44795.06

KERALA

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION		
			Mar-12	From 01-04-11 To 31-03-2012	
HYDRO					
1	KUTTIADI + EXTENTION + ADDL. EXTN.	3x25 + 50 +50+50	= 225.00	34.37	766.18
2	SHOLAYAR	3x18	= 54.00	25.93	220.35
3	PORINGALKUTHU	4x8	= 32.00	7.34	165.84
4	PORIG. L. BANK	16	= 16.00	5.32	102.21
5	PALLIVASAL	3x7.5+3x5	= 37.50	19.51	231.64
6	SENGULAM	4x12	= 48.00	9.89	162.27
7	PANNIAR	2x16	= 32.00	10.61	184.75
8	NERIAMANGALAM + EXTENSION	3x17.5 +25	= 77.50	14.66	360.57
9	SABARIGIRI	1x60 + 4x55	= 280.00	171.68	1434.25
10	IDUKKI	3x130+3x130	= 780.00	355.01	3044.24
11	IDAMALAYAR	2x37.5	= 75.00	44.96	348.97
12	KALLADA	2x7.5	= 15.00	8.13	65.09
13	PEPPARA	3	= 3.00	0.36	8.20
14	MADUPETTY	2	= 2.00	0.97	1.22
15	MALAMPUZHA	1x2.5	= 2.50	0.00	2.77

16	L.PEIRYAR	3x60	=	180.00	14.78	648.63
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KERALA

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-12	From 01-04-11 To 31-03-2012
HYDRO				
17	KAKKAD	2x25 = 50.00	23.57	231.53
18	CHEMBUKADAVU	1x2.7+1x3.75 = 6.45	0.00	11.99
19	URUMI	1 x 3.75 + 1 x 2.4 = 6.15	0.00	13.27
20	MALANKARA	3 x 3.5 = 10.50	1.43	31.91
21	LOWER MEENMUTTY	2x1.5 + 1x0.5 = 3.50	0.05	4.86
22	KUTTIADI TAIL RACE	3 x 1.25 = 3.75	0.39	8.57
22	POOZHITHODE	3 x 1.60 = 4.80	0.00	8.76
24	RANIPERUNADU	1 x 1.20 = 1.20	0.20	0.21
	TOTAL	1945.85	749.13	8058.28
GAS/NAPTHA/DIESEL				
1	BRAHMAPURAM DGPP (DIESEL)	5x21.32 = 106.60	5.04	56.97
2	KOZHICODE DPP (DIESEL)	8x16 = 128.00	38.72	233.46
	TOTAL	234.60	43.76	290.43
WIND				
1	WIND MILL	2.025 = 2.03	0.08	2.03
	TOTAL	2.03	0.08	2.03
IPP				
HYDRO				
1	MANIYAR	3x4 = 12.00	2.47	36.91
2	KUTHUNGAL	3x7 = 21.00	4.76	49.96
3	ULLUNGAL	2x3.5 = 7.00	1.65	22.67
4	IRUTTUKANAM	1x3 = 3.00	0.20	18.62
GAS/NAPTHA/DIESEL				
5	BSES (NAPTHA)	3x40.5(GT)+1x35.5(ST) = 157.00	0.00	48.63
6	KASARGODE (DIESEL)	3x7.31 = 21.93	1.02	10.23
7	MPS STEEL CASTINGS	1x10 = 10.00	2.32	26.51
WIND				
8	AGALI	31 x 0.6 = 18.60	1.06	67.49
9	RAMAKKELMEDU	19 X 0.75 = 14.25	0.70	
10	PCBL Co-Generation	10 = 10.00	3.39	8.66
	TOTAL	274.78	17.57	289.66
	TOTAL KERALA	2457.255	810.54	8640.41

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-12	From 01-04-11 To 31-03-2012
HYDRO				
1	PYKARA	3x6.65+1x11+2x14 = 59.00	3.08	39.64
2	PYKARA MICRO	1x2 = 2.00	0.69	5.90
3	PYKARA ULTIMATE (PUSHEP)	3x50 = 150.00	33.79	356.95
4	MOYAR	3x12 = 36.00	12.70	131.65
5	MARAVAKANDI	1x0.75 = 0.75	0.00	0.76
6	KUNDAH-I	3x20 = 60.00	31.24	218.21
7	KUNDAH-II	5x35 = 175.00	71.66	577.77
8	KUNDAH-III	3x60 = 180.00	39.75	350.09
9	KUNDAH-IV	2x50 = 100.00	5.30	156.76
10	KUNDAH-V	2x20 = 40.00	6.85	53.26
11	SURULIYAR	1x35 = 35.00	5.04	115.57
12	KADAMPARAI	4x100 = 400.00	17.73	510.54
13	ALIYAR	1x60 = 60.00	3.94	174.38
14	POONACHI	1x2 = 2.00	0.02	1.48
15	METTUR DAM	4x12.5 = 50.00	9.90	153.51
16	METTUR TUNNEL	4x50 = 200.00	0.00	471.35
17	LOWER METTUR BARRIAGE - 1 TO 4	8x15 = 120.00	6.82	403.30
18	BHAVANISAGAR MICRO	4x2 = 8.00	2.87	41.57
19	PERIYAR	4x35 = 140.00	7.21	535.44
20	VAIGAI MICRO	2x3 = 6.00	0.53	23.66
21	PAPANASAM	4x8 = 32.00	5.03	122.36
22	SERVALAR	1x20 = 20.00	1.26	27.19
23	SARKARAPATHY	1x30 = 30.00	9.27	109.55
24	SHOLAYAR	2x35+25 = 95.00	2.27	278.60
25	KODAYAR	1x60+1x40 = 100.00	27.94	296.65
26	LOWER BHAVANISAGAR	2X4 = 8.00	1.01	23.81
27	SATHANUR DAM PH	1x7.5 = 7.50	3.85	10.77
28	KUNDAH-VI (Parson Valley)	1x30 = 30.00	3.94	35.88
29	MICRO TOTAL	4+2.5+0.7+1.95+1.3+4 = 14.45	1.00	28.16
30	BHAVANI KATTALAI BARRAGE - I	2x15 = 30.00	2.31	97.93
TOTAL		2190.70	317.00	5352.68

TAMILNADU

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-12	From 01-04-11 To 31-03-2012
THERMAL				
COAL				
1	ENNORE.T.P.S	2x60+3x110 = 450.00	54.15	893.67
2	TUTUCORIN.T.P.S	5x210 = 1050.00	762.78	7891.94
3	METTUR.T.P.S	4x210 = 840.00	607.81	6844.82
4	NORTH CHENNAI T.P.S	3x210 = 630.00	350.90	5965.83
	TOTAL	2970.00	1775.64	21596.27
GAS/NAPTHA/DIESEL				
1	BASIN BRIDGE (NAPTHA)	4x30 = 120.00	0.00	29.56
2	KOVIL KALAPPAL (GAS)	1x70+1x38 = 108.00	62.74	705.82
3	VALATHUR (GAS) STG1	1x60+1x35 = 95.00	15.31	658.66
4	VALATHUR (GAS) STG2	1 x 60 + 1 x 32 = 92.00	52.30	444.70
5	KUTTALAM (GAS)	1x64+1x37 = 101.00	0.00	408.48
	TOTAL	516.00	130.34	2247.23
WIND				
1	TNEB WIND MILL+SOLAR	17.555 = 17.56	0.10	12.10
	TOTAL	17.56	0.10	12.10
IPP				
COAL				
1	TCPL	63.8 = 63.80	0.00	0.00
LIGNITE				
2	ST - CMS	250 = 250.00	143.78	1688.22
GAS/NAPTHA/DIESEL				
8	GMR POWER (DIESEL)	4x49 = 196.00	70.88	857.85
6	SAMALPATTY (DIESEL)	7x15.1 = 105.66	29.94	292.41
5	MADURAI POWER CL (DIESEL)	106 = 106.00	35.30	281.84
3	P P NALLUR (NAPTHA)	330.5 = 330.50	230.13	1491.32
4	ABAN POWER (GAS)	74.41+38.81 = 113.20	78.22	719.73
7	ARKEY ENERGY(PENNA)(GAS)	1x38 + 2x6.8 + 1x20 = 52.80	30.38	359.61
9	CPCL (MANALI & OTHERS)	65 (MANALI)+1182.57 (OTHERS) = 1247.57	667.07	5895.94
WIND/OTHERS				
10	WIND MILL *	6953.155 = 6953.16	275.29	9855.56
11	SOLAR	5.000 = 5.00	1.04	5.55
12	CO-GENERATION	609.90 = 609.90	0.00	494.67
13	BIO-MASS	139.05 = 139.05	0.00	0.00
	TOTAL	10172.64	1562.03	21942.69
	TOTAL TAMIL NADU	15866.89	3785.10	51150.97

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-12	From 01-04-11 To 31-03-2012
<u>GAS/NAPTHA/DIESEL</u>				
1	KARAIKAL POWER PLANT (GAS)	22.9 + 9.6 = 32.50	19.10	251.43
	TOTAL	32.50	19.10	251.43
	TOTAL PONDICHERRY	32.50	19.10	251.43

IPP UNDER OPEN ACCESS

GAS/NAPTHA/DIESEL				
1	LANCO KONDAPPILLI POWER LTD.	233 + 133 = 366.00	119.58	2188.95
	TOTAL	366.00	119.58	2188.95
	TOTAL IPP UNDER OPEN ACCESS	366.00	119.58	2188.95

CENTRAL SECTOR

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-12	From 01-04-11 To 31-03-2012
THERMAL				
COAL				
1	RAMAGUNDAM T.P.S (ISGS) - NTPC	3x200+4x500 = 2600	1910.26	21355.36
2	TALCHER STAGE II (ISGS) - NTPC	4x500 = 2000	1462.93	14942.36
3	SIMHADRI (AP) - NTPC	2x500 = 1000	729.79	7712.16
4	SIMHADRI STAGE - II - NTPC	1x500 = 500	378.06	2133.30
LIGNITE				
4	NEYVELI-I (TN) - NLC	6x50+3x100 = 600	395.12	3987.90
5	NEYVELI-II (ISGS) - NLC	7x210 = 1470	1041.40	11087.35
6	NEYVELI TPS-I (Expansion) (ISGS) - NLC	2x210 = 420	309.13	3042.70
	TOTAL	8590.00	6226.70	64261.13
GAS/NAPTHA/DIESEL				
7	RGCCPP,KAYAMKULAM (KSEB) - NTPC	2x116.6(GT)+1x126.38(ST) = 359.58	97.12	706.41
	TOTAL	359.58	97.12	706.41
NUCLEAR				
1	M.A.P.S KALPAKAM (ISGS) - NPC	2x220 = 440.00	236.96	2516.11
2	KAIGA A.P.S (ISGS) - NPC	4x220 = 880.00	492.72	5210.31
	TOTAL	1320.00	729.68	7726.42
	TOTAL CENTRAL SECTOR	10269.58	7053.49	72693.96
	GRAND TOTAL	52401.91	22093.88	241654.87

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 31 st	As on 1 st	As on 31 st	
JALAPUT	818.39	838.40	833.81	832.73	346.00	311.00	19.19
LINGANAMAKKI	522.70	554.50	546.61	543.05	2415.00	1726.00	38.00
SUPA	495.00	564.00	538.45	530.22	1267.00	850.00	2.87
IDDUKKI	694.90	732.40	716.86	711.39	1040.00	724.00	28.61
KAKKI	908.30	981.50	972.19	965.30	605.00	442.00	9.61
NILGIRIS	---	---	0.00	0.00	804.00	632.00	14.42

VI) BRIEF DESCRIPTION OF DISTURBANCES:-

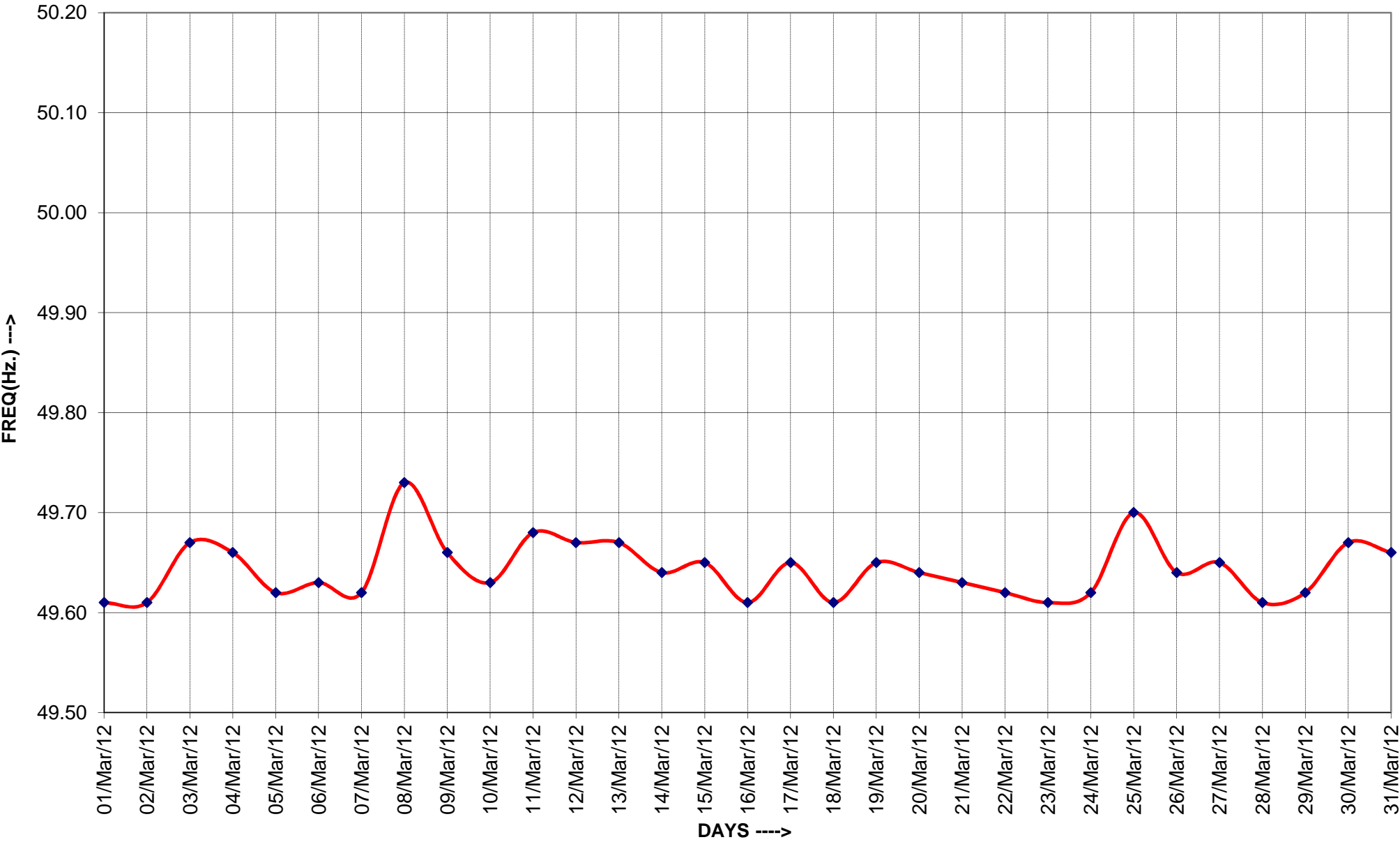
CODE	DATE	TIME OF OCCURENCE	AREAS AFFECTED	REASONS	TIME OF RESTORATION
			NIL		

VII) PROGRESS OF SHUNT CAPACITORS

STATE	Installed as on 31.03.2011	*Programme of SEB's for 2011-2012	Capacitor Addition in March 2012	Capacitors installed during 2011-2012	Back log for 2008-2009	Total Commulative Installed as on 31-03-2012
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 2012

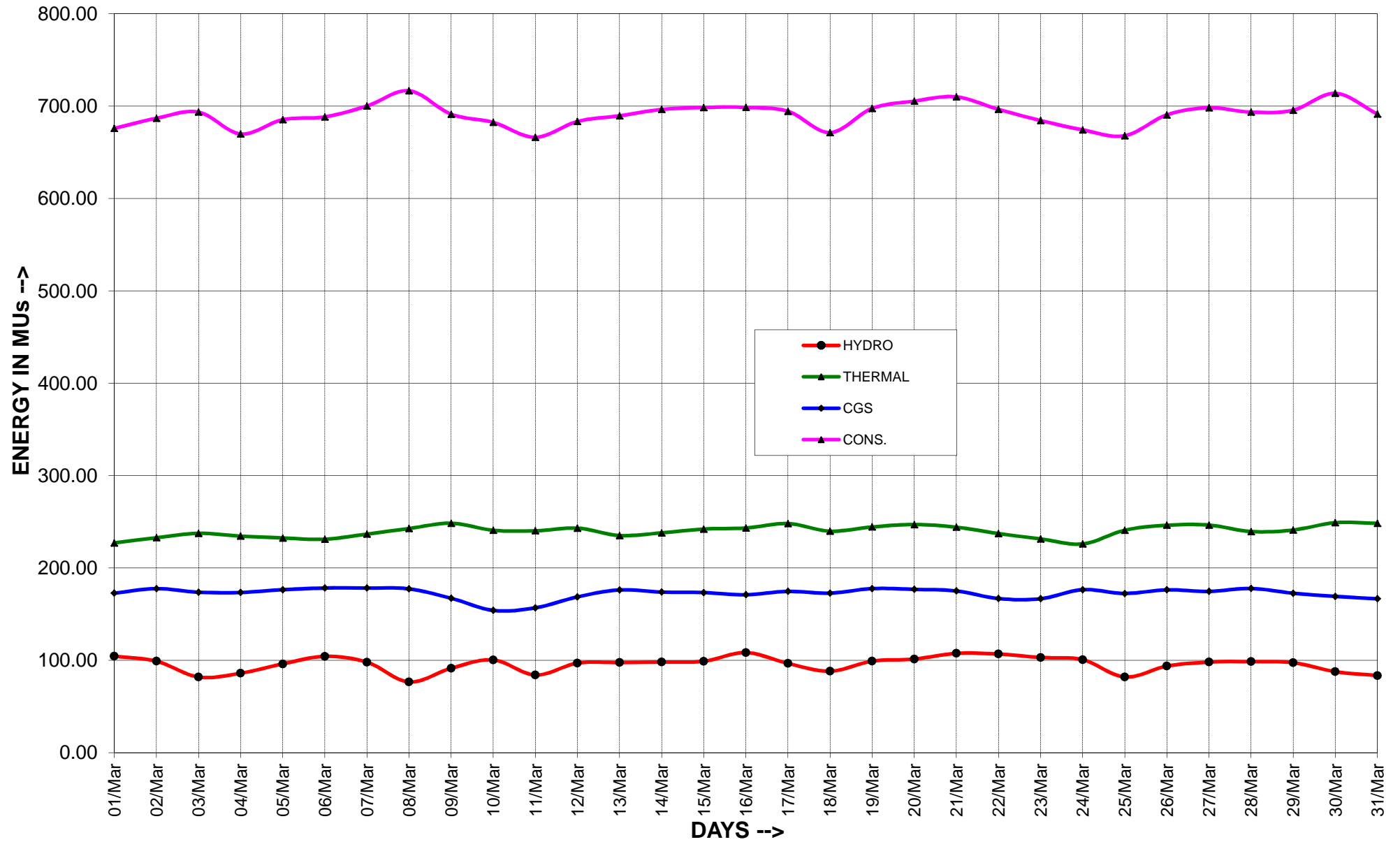


DATE	FVI
01-Mar-12	1.60
02-Mar-12	1.67
03-Mar-12	1.31
04-Mar-12	1.33
05-Mar-12	1.49
06-Mar-12	1.51
07-Mar-12	1.53
08-Mar-12	0.96
09-Mar-12	1.35
10-Mar-12	1.52
11-Mar-12	1.15
12-Mar-12	1.22
13-Mar-12	1.27
14-Mar-12	1.52
15-Mar-12	1.35
16-Mar-12	1.61
17-Mar-12	1.35
18-Mar-12	1.66
19-Mar-12	1.34
20-Mar-12	1.38
21-Mar-12	1.46
22-Mar-12	1.55
23-Mar-12	1.70
24-Mar-12	1.57
25-Mar-12	1.13
26-Mar-12	1.49
27-Mar-12	1.46
28-Mar-12	1.65
29-Mar-12	1.56
30-Mar-12	1.28
31-Mar-12	1.29
AVERAGE	1.43
MAXIMUM	1.70
MINIMUM	0.96

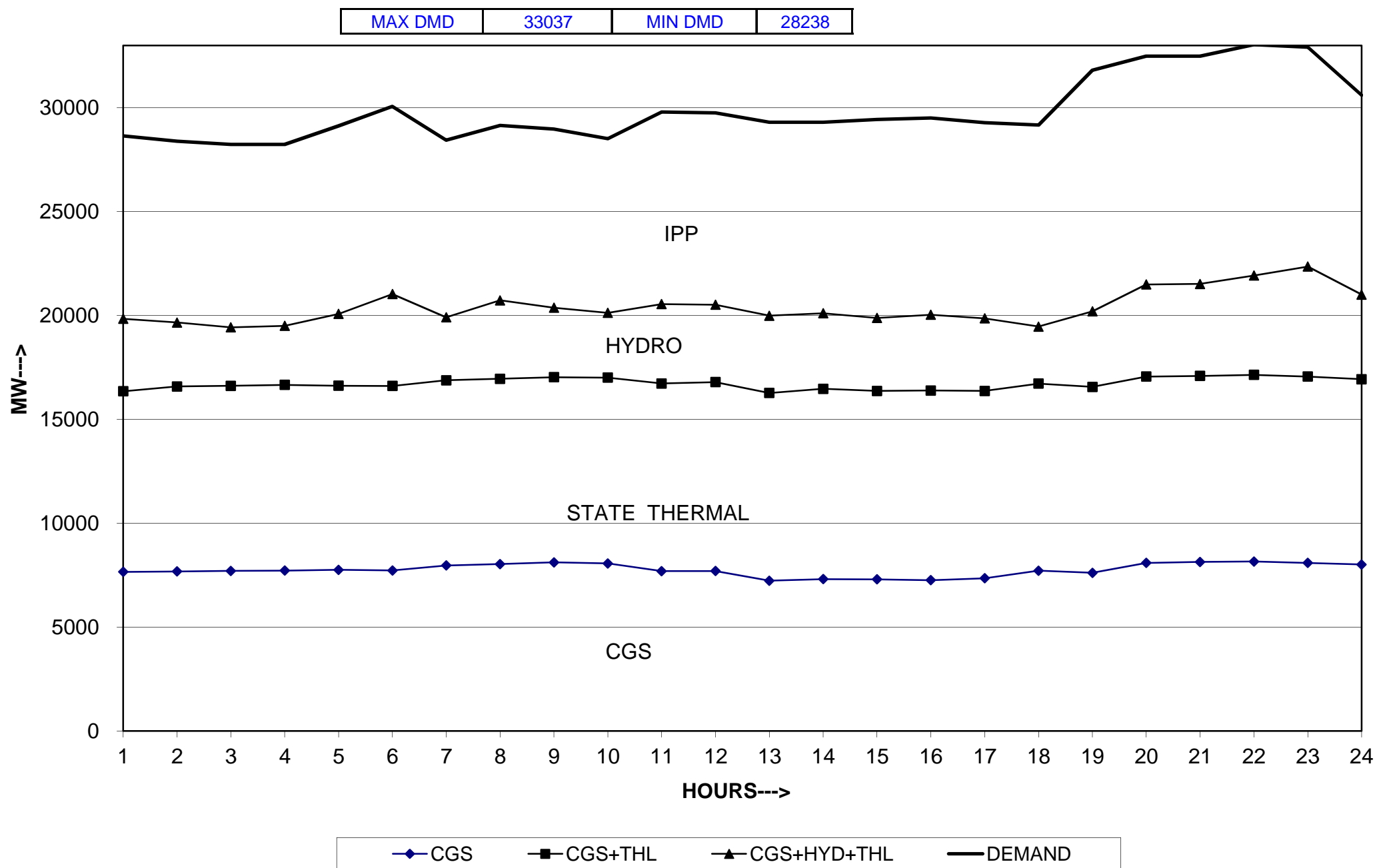
$$FVI = \frac{10 \sum (F-50)^2}{24 \times 60}$$

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

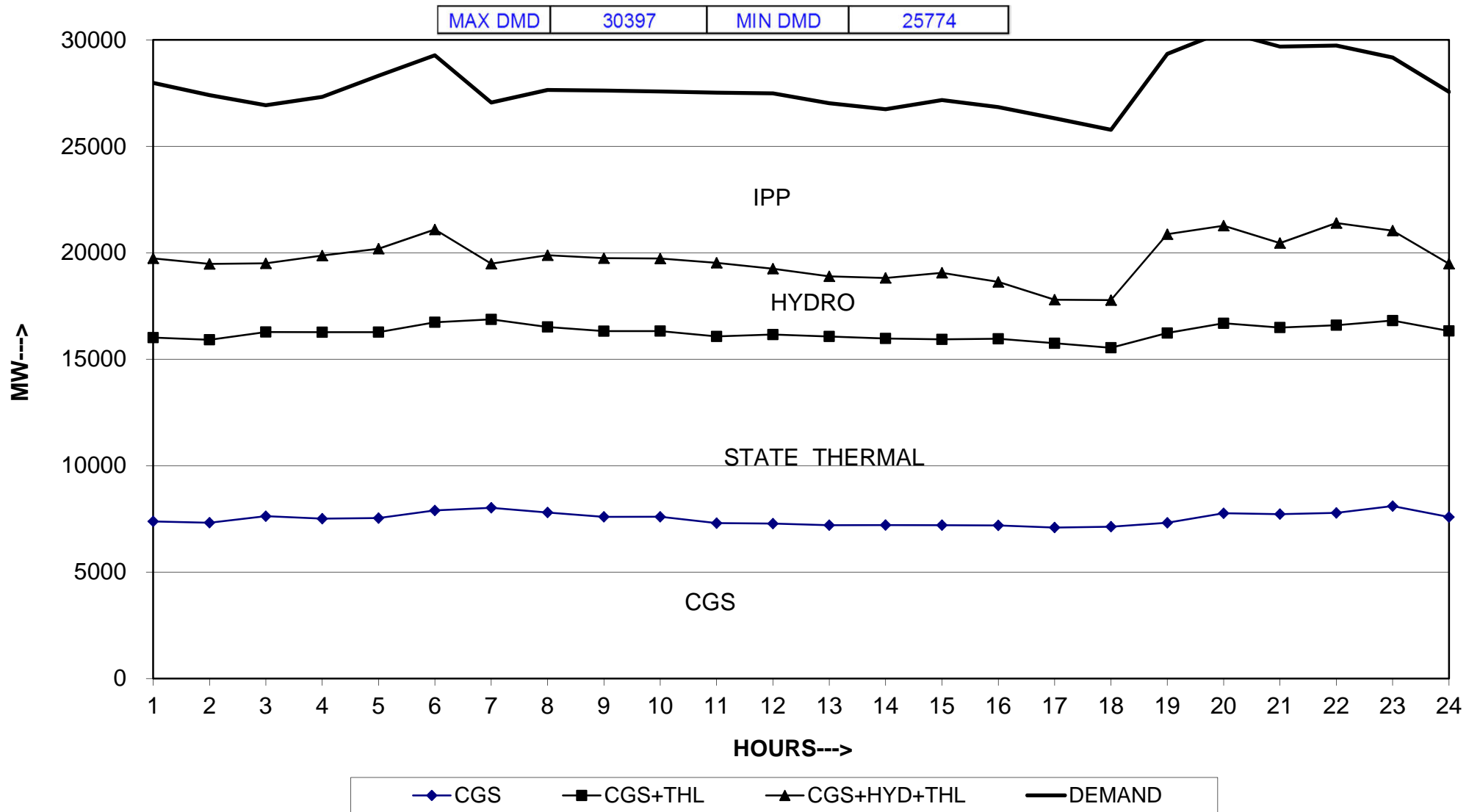
REGIONAL AVAILABILITY DURING THE MONTH OF MARCH 2012



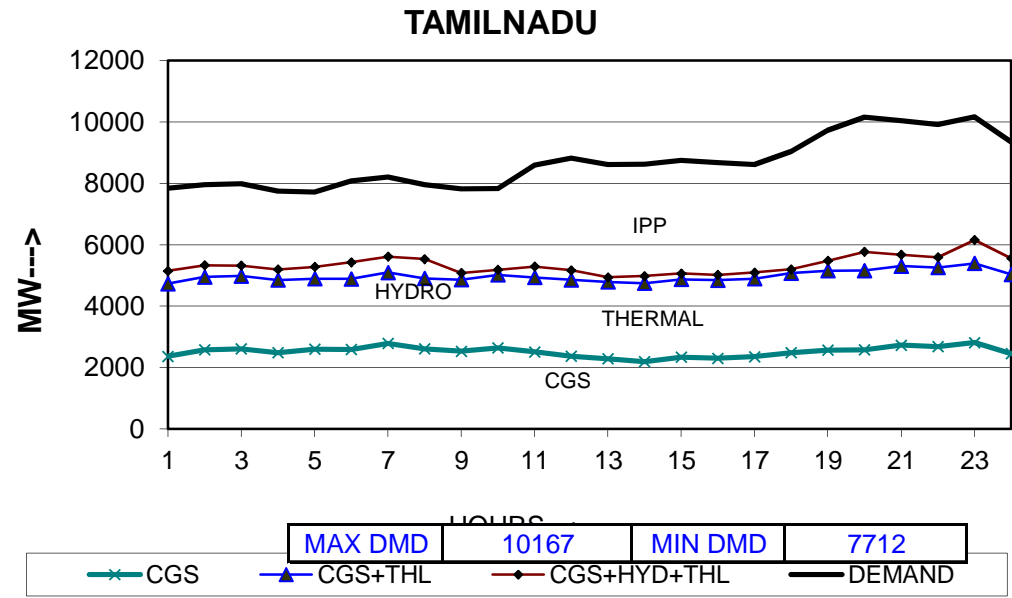
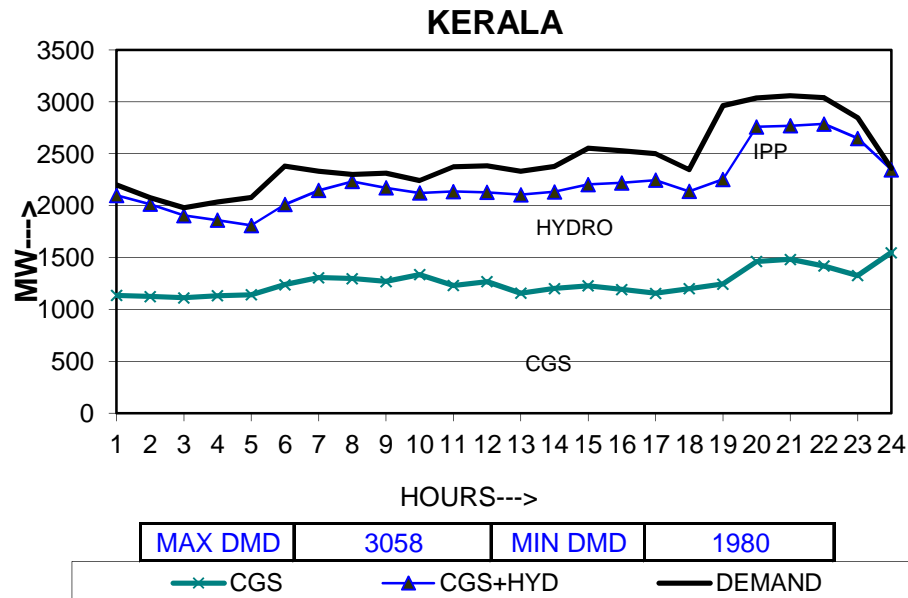
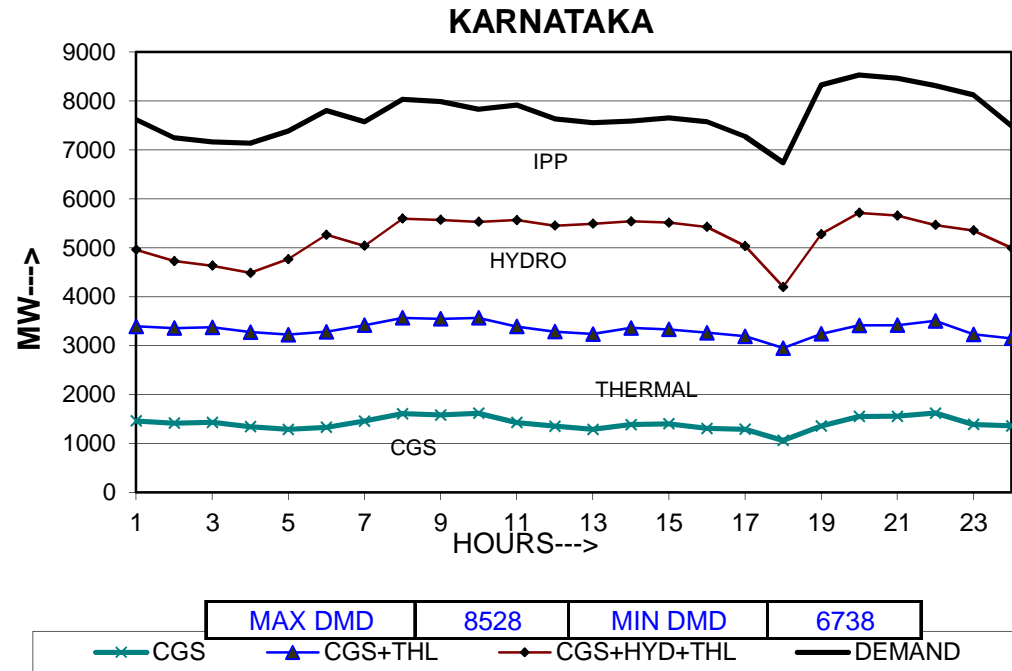
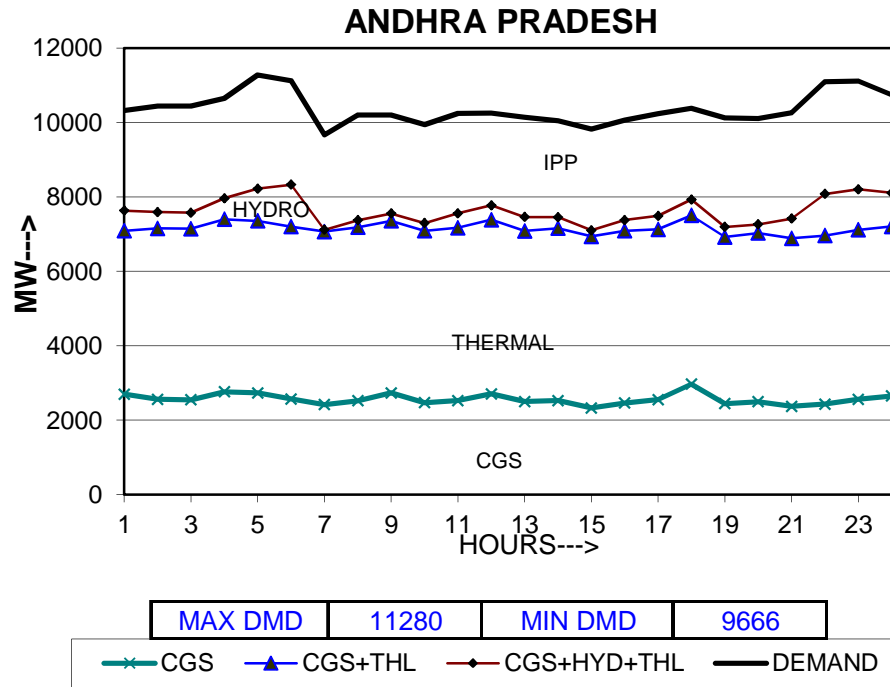
REGIONAL GENERATION AND DEMAND FOR PEAK DEMAND DAY 30.03.2012 (STACKED)



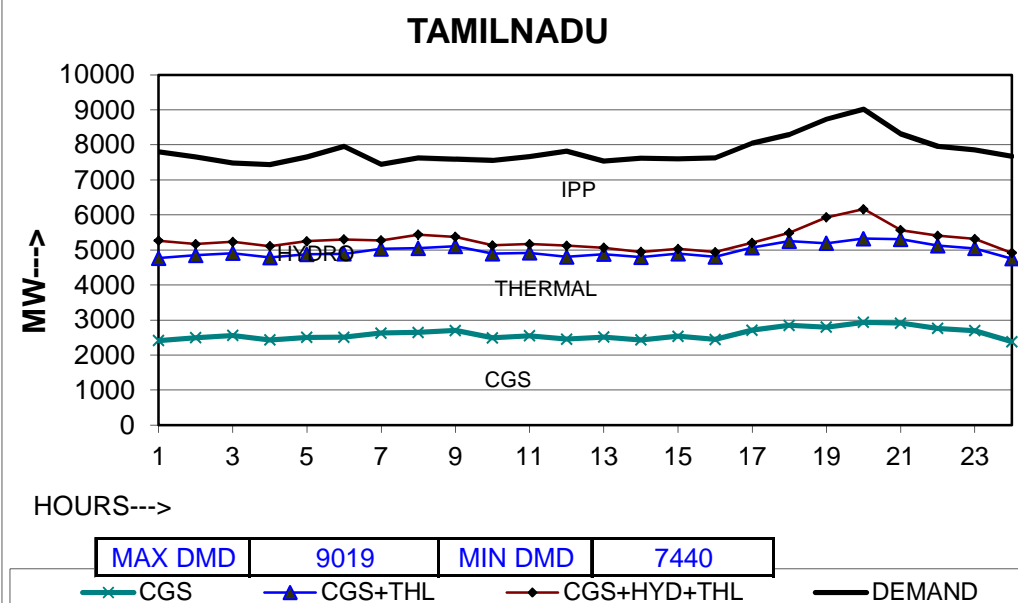
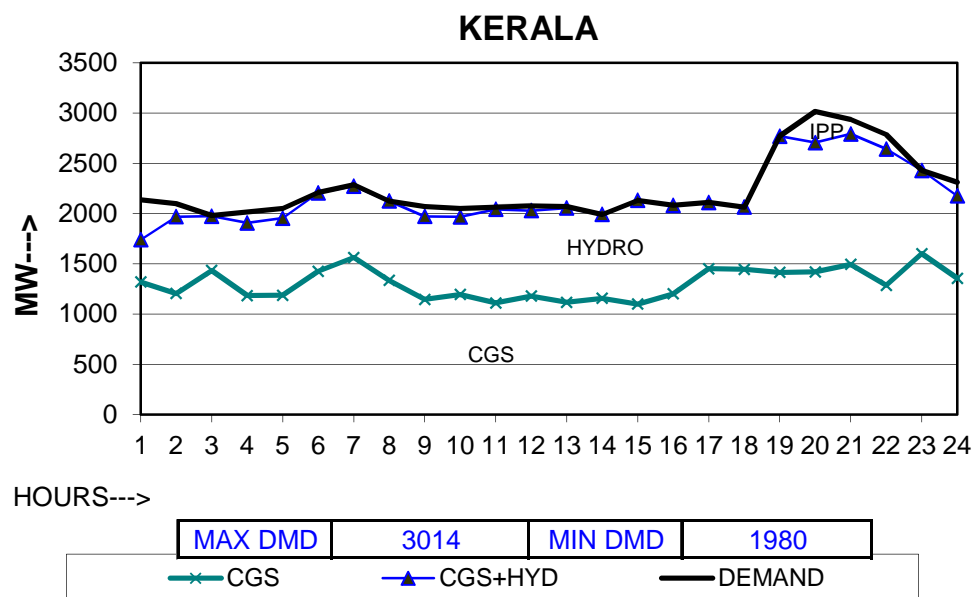
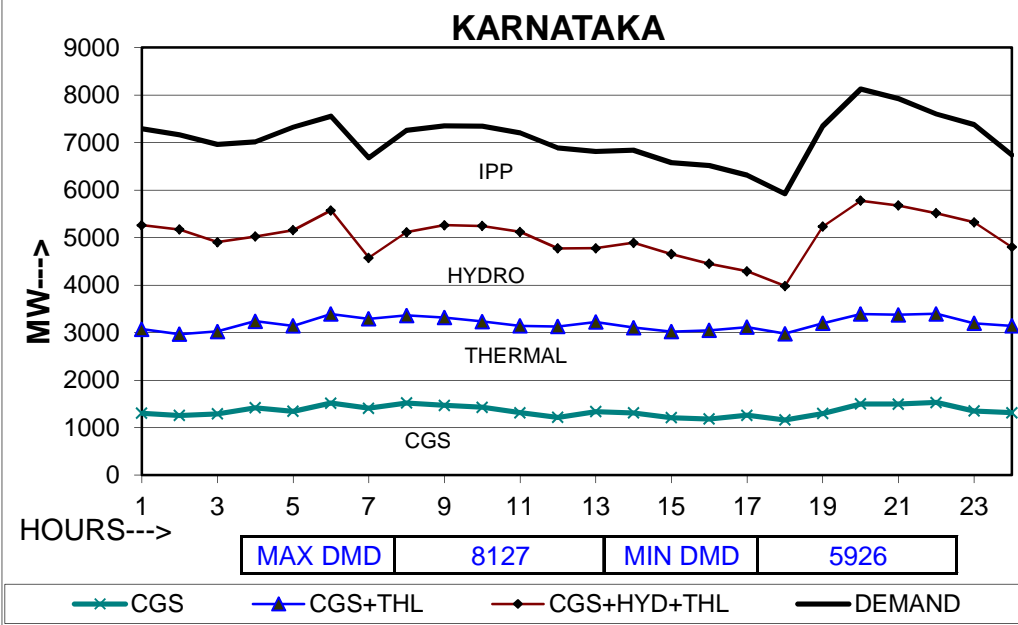
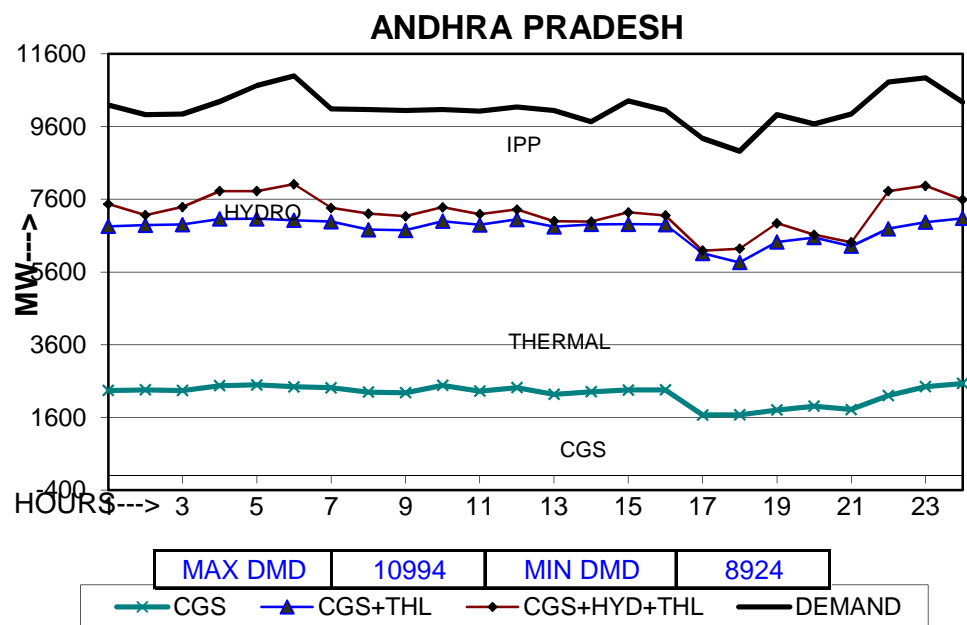
REGIONAL GENERATION AND DEMAND FOR MINIMUM DEMAND DAY 11.03.2012(STACKED)



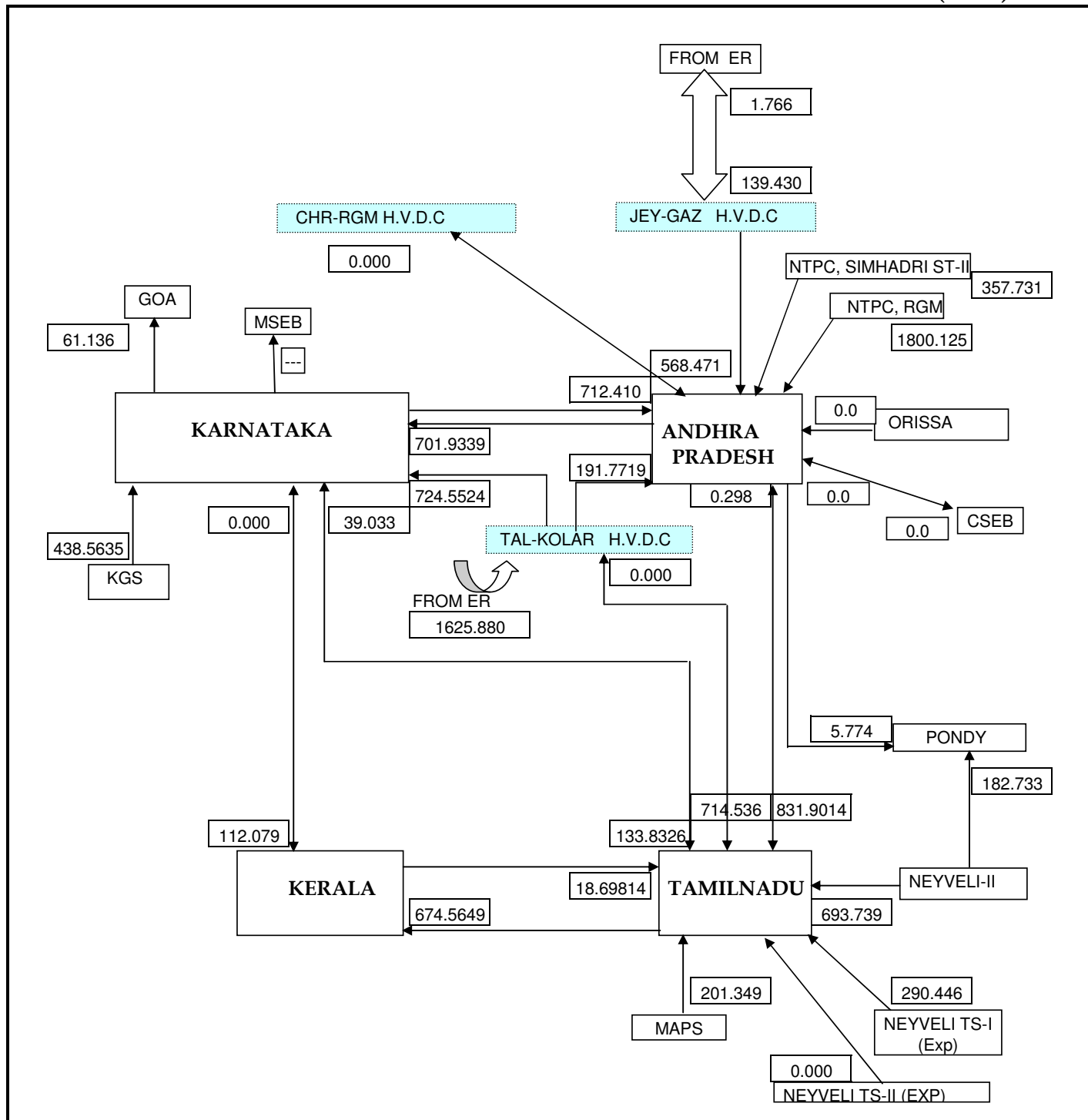
STATEWISE GENERATION AND DEMAND FOR PEAK DEMAND DAY 30.03.2012 (STACKED)



STATEWISE GENERATION AND DEMAND FOR MINIMUM DEMAND DAY 11.03.2012(STACKED)



ENERGY EXCHANGES FOR MARCH 2012 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	Tail Pond PH at Nagarjunasagar	2x25=50	Unit 1 December 2011, Unit 2 March 2012
Hydro	State	Priyadarsini Jurala HES	6x39=234	5 Units commissioned during 2008-2010. Unit 6 to be commissioned in 2011.
Hydro	State	Lower Jurala	6x40=240	Unit I: August 2012, Balance 5 Units at 4 months interval there after.
Hydro	State	Pulichintalla	4x30=120	Unit I: December 2011. Balance 3 Units in 4 months' interval interval there after
Hydro	State	Dummugudem	320	2013-15.
Hydro	State	Kamthanapally	450	150 MW -2013-14, 300 MW 2014-15.
Thermal	State	Kakatiya TPP Stage-II	1 x 600	December 2012.
Thermal	State	Kothagudam TPS Stage-VI, Phase-I	1x500=500	Test synchronised on 30.03.2011. COD by 31.07.2011
Thermal	State	Polavaram	960	2013 -16
Thermal	State	Sattupalli TPS	1 x 600	2013-14 (to be tied up)
Thermal	State	Singareddipalli	200	Unit I: July 2012, Unit 2: Nov 2012, Unit 3: March 13, Unit 4: Nov 2013, Unit 5: March 14
Thermal	Joint Venture	Sridamodaram Sanjeevaiah TPP (Krishnapatnam JV Unit I)	2x800	Unit-1 : December 2012 Unit-2 : June-13
Thermal	Joint Venture	Srikakulam TPS (JV)	2400	2014 - 16.(To be tied up)
Thermal	Joint Venture	Nuclear(State JV)		
Thermal	Joint Venture	Kadappa Nuclear Power Plant	2 x 1000	2014-16(To be tied up)
Gas Based	State	Integrated gassification combined cycle (IGCC) plant	1 x 182	2013-14
Gas Based	State	Combined cycle gas based project near Karimnagar	2100	2013-15
Gas Based	Private	Isolated ONGC Gas Wells	27.42	27.04 MW commissioned.
Gas Based	Private	Municipal Waste based	67.43	30.1 MW commissioned.
Gas Based	Private	Bio - mass based co-generation	66.25	29.25 MW commissioned.
Gas Based	Private	Industrial waste based power plants	53.48	21.66 MW commissioned. 31.82 MW to be commissioned
Mini Hydel Projects		Mini Hydel Projects (H)	141.7	104.4 MW commissioned.
Gas Based	Private	Bagasse based Co-generation	420.8	270.8 MW commissioned. 150 MW to be
Gas Based	Private	Bio - mass based power plant	224.5	190.5 MW commissioned.
Gas Based	Private	GVK Extension - Stage I	220	Declared COD of the project on 14.04.2009.
Wind/others	Private	Wind(Private)		
Wind/others	Private	Wind Energy (W)	399.34	114.97 MW commissioned. 250 MW to be
Wind/others	Private	Mini PP		
Wind/others	Private	Mini Power Plants	595.3	74.312 MW commissioned. 521 MW to be
Wind/others	Private	Solar(State)		
Wind/others	Private	Solar PV Project at Jurala	1	40787
Wind/others	Private	Solar Power Project Private	75.5	2011-12&2012-13

Type	Sector	Station	Capacity (MW)	Progress/Status
Karnataka				
Hydro	State	Gundia Phase - I	200	XII Plan as per CEA
Hydro	State	Shivasamudram Seasonal Scheme	345	DPR is ready for submission to CEA
Hydro	State	Additional Unit at Munirabad	10	NIT issued on 24.03.2010.XII Plan
Hydro	State	Additional unit at Ghataprabha	20	NIT issued on 17.03.2010.XII Plan
Hydro	State	RM&U of Nagjhari PH Unit-6 (Peaking)	15	Unit VI will be taken for RM & U in due course of time
Thermal	State	Bellary -TPS Stage I Unit III	700	MoEF clearance obtained. Preliminary designs are in progress. Expected date of commissioning - 2014
Thermal	State	Bellary -TPS Stage I Unit I & II	2x500	Unit I (500 MW) COD on 28.07.2008. Unit II Programmed to be commissioned during December 2011.
Thermal	State	RTPS Stg - II a) Yermarus TPS	2x800	Site allotted from KIDAB . Work under progress. Expected date of commissioning - 2014
Thermal	State	b) Edlapur TPS	800	MoEF clearance awaited. Expected date of commissioning - 2014-15. Proposed to be set up in the available land at RTPS mill reject area.
Thermal	State	Mangalore TPS	1600	12th Plan
Thermal	State	Chattisgarh Pit Head Thermal Power Plant	1600	2015-16
Thermal	Private	Thermal(Private)		
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	Udupi TPP Unit I & II	2x600	Unit - I (600 MW) commissioned on 23.07.2010.Unit -II (600 MW) achieved full load on 16-04-2011.
Gas Based	State	Bidadi Combined Cycle Power Plant	1400	Land required for the project has been acquired. M/s GAIL has commenced the work of establishing gas terminal.
Gas Based	State	Tadadi Combined Cycle Power Plant	2100	Pre-feasibility report prepared & action has been taken for obtaining statutory clearances. KIDAB allotted 400 acres of land.
Solar	State	Solar Photo Voltaic Power Plants.	1+2+5=8	1 MW & 2 MW plants at Yapaldinni in Raichur District has been entrusted to BHEL. Expected to be commissioned in November 2011 11. 5 MW at Belakawadi near Shivasamudram expected by March 12.
Wind	Joint Venture	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.
Kerala				
Hydro	State	Ranni-Perunad SHP	2x2=4	Expect by 2011-12
Hydro	State	Chattankottunada Stage-II	3x2=6	Expected by March 2012
Hydro	State	Pallivasal Extension	2x30=60	Expected date of completion June 2012.
Hydro	State	Thottiyar	1x30+1x10=40	Expect by June 12
Hydro	State	Peechi	1.25	Tender invited on 24-2-2009. Expect 2011-12
Hydro	State	Anakkayam H.E. Project	7.5	Expect by Jan 15
Hydro	State	Barapole	15	Expect by February 2013
Hydro	State	Vilangad H.E. Project	7.5	Expect by Mar 2012
Hydro	State	Perumthenaruvi Project	6	Expect by Mar 14
Hydro	State	Kakkayam Small HE Project	3	Expect by July 15
Hydro	State	Poozhithode	3x1.6=4.8	U-1-Commissioned on 20.06.2011 U-2-Commissioned on 20.06.2011 U-1-Commissioned on 19.06.2011
Hydro	State	Augmentation		
Hydro	State	Sengulam Aug. (85 Mu)	85 Mu/ Annum	Expect by Aug. 13

Type	Sector	Station	Capacity (MW)	Progress/Status
Tamil Nadu				
Hydro	State	Periyar Vaigai SHEP - II	2x1.25=2.5	August- 2011
Hydro	State	Periyar Vaigai SHEP - III	2x2=4	December 2011
Hydro	State	Periyar Vaigai SHEP - IV	2x1.25=2.5	September- 2011
Hydro	State	Bhavani Barrage I(Nellithoral Lower Bhavani)	2x5=10	November - 2011
Hydro	State	Bhavani Barrage II(Nellithoral Lower Bhavani)	2x5=10	December 2011
Hydro	State	Bhavani Kattalai Barrage II	2x15= 30	Unit I-June 2011Unit-II - August 2011
Hydro	State	Bhavani Kattalai Barrage III	2x15= 30	Unit I-February 2012Unit-II -March 2012
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
Thermal	State	North Chennai TPS Stage -II	2 x 600=1200	Unit I-February 2012 Unit-II - January 2012
Thermal	State	North Chennai TPS Stage -III	1x800=800	2015-2016
Thermal	State	Mettur TPS Stage - III	1x600=600	March 2012
Thermal	State	Ennore TPS Annexe	600	September-2014
Thermal	State	Ennore (SEZ) TPS at Kattupalli	2 x 600=1200	2015 - 16
Thermal	Private	Cuddalore IPP	2 x 660 MW	PPA signed
Thermal	Joint Venture	TNEB-BHEL JV at Udabgudi	2x800 =1600	2017
Thermal	Joint Venture	Vallur TPP (JV with NTPC)-Stg I- Phase I 2x 500 MW, Phase-II	2x500+ 1x500=1500	Stg- I: Unit 1 - February 2012 Unit -II II quarter of 2012 Unit - III -Last quarter of 2012-13
Thermal	Joint Venture	NLC-TNEB at Tuticorin	2x500=1000	Unit I-End of 2013. Unit II-First half of 2013
Gas Based	State	Basin Bridge Closed loop conversion (120 MW to 220 MW)	100	Subject to availability of gas
Gas Based	State	Non Conventional Energy Sources(NCES)		
Gas Based	State	Establishment of Co-generation plants in 10 Nos. Co-operative	6x15.5=93	
Tariff Based Competitive Bidding Route		Tiruvadanai TPP at Ramanathapuram District	2x800=1600	2016-17
		Utharakosamangai TPP at Rmanathapuram District	2x800=1600	2016-17
Central Sector (UMPP)				
Thermal	Private	Cheyur in Tamil Nadu	4000	2015-17
Thermal	Private	Krishnapattanam in AP	660 x 6	June 2013 to Feb 2015
Thermal	Central	Neyveli TS-II (Expansion) (NLC)	2x250	Unit I- Dec 2011, Unit II April 2012
Thermal	Central	Jayamkondam Lignite (NLC)	1600	12th Plan
Thermal	Central	Neyveli TS-III (NLC)	1000	12th Plan
Thermal	Central	Sirkali TPP	3x660	From GoI approval
Thermal	Central	Simhadri Expansion	2x500	Unit -I Achieved full load on 29.03.2011. COD declared
Nuclear	Central	Kalpakkam (PFBR)	500	September-2013
Nuclear	Central	Kudankulam (NPCIL)	2x1000	Unit I : Dec 2011, Unit II: 8 Months after Unit I
Gas Based	Central	Kayamkulam CCGP Module 1 to 3 (NTPC)	1050/1950	12th Plan. Gas supply by 2014.