



प्रणाली प्रचालन विवरण

SYSTEM OPERATION REPORT

मार्च 2016

March 2016

दक्षिण क्षेत्रीय भार प्रेषण केन्द्र

बेंगलूर

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SR GRID SUMMARY FOR THE MONTH OF March 2016

	ANDHRA PRADESH	TELANGANA	KARNATAKA	KERALA	TAMIL NADU
(I) GENERATION DETAILS:(MU)					
HYDRO	248.35	43.64	620.74	593.39	423.36
THERMAL	2980.84	1486.45	1417.19	0.00	2901.79
DIESEL	0.00	0.00	0.00	20.21	0.00
GAS	57.71	0.00	0.00	0.00	140.01
TOTAL	3286.90	1530.08	2037.93	613.60	3465.16
INDEPENDENT P.P *	717.40	0.00	2137.82	13.03	1389.35
INTER REGIONAL IMPORT(HVDC)	As per Annexure				
WIND MILL	97.85	0.00	166.49	1.15	166.00
CAPTIVE PLANTS **	0.00	287.40	0.00	0.00	0.00
TOTAL DRAWALS INCL HVDC	698.88	2651.27	2019.81	1628.86	4665.62
(II)ACTUAL CONSUMPTION (MU)	4802.17	4468.83	6362.17	2257.21	9686.34
(III) MAXIMUM DEMAND(MW)	7391	6651	9508	3860	14534
MAX DEMAND ON DATE	22-03-2016	25-03-2016	29-03-2016	28-03-2016	17-03-2016
MAX DEMAND AT TIME	12:00	12:36	11:00	19:00	19:05
STATE HYDRO GEN. AT MAX. DMD	687	0	1546	425	1095
STATE THERMAL GEN. AT MAX. DMD	2852	2115	2253	0	3815
FREQUENCY OF MAX DEMAND	50.04	50.03	50.02	50.06	49.92

REGIONAL MAXIMUM DEMAND:	MW	DATE	TIME	FREQUENCY
	40899	21-03-2016	21:38	50.03

I) IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/CGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	TSGENCO	SINGARENI TPS UNIT#1	600 MW	THERMAL	12-03-16
2	IPP	HNPCL UNIT#2	520 MW	THERMAL	31-03-16

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME & CKT NO.	KV	Length (Ckm)	DATE
		NIL			

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/LINE NAME	BUS/LINE	CAPACITY (MVAR)	DATE
		NIL			

II) Inter/Intra Regional exchanges in MU's

SCHEDULED INTER REGIONAL AND INTRA REGIONAL EXCHANGES OF POWER DURING March 2016						
TRADER	EXPORTING FROM		IMPORTING TO		WHEELED THROUGH	Total Energy Flow (MU)
	STATE	UTILITY	STATE	UTILITY		
ADANI	THERMPOWER	SR	TNEB	TNEB	SR-SR	85.282
ANARKALUM	ANARKALUM	APTRANSCO	TGPCC	TGTRANSCO	SR-SR	28.720
GIRIJALOY	GIRIJALOY	APTRANSCO	TGPCC	TGTRANSCO	SR-SR	18.054
IEX	THERMPOWER	SR	KSEB	KSEB	SR-SR	3.034
IEX	THERMPOWER	SR	PCKL	KPTCL	SR-SR	21.600
INDIACEM	INDCEM/PUR	TGTRANSCO	INDCEMCMKR	APTRANSCO	SR-SR	1.530
JSWPTC	THERMPOWER	SR	BESCOM	KPTCL	SR-SR	13.441
LKPLST3	LKPLST3	SR	APSPDCL	APTRANSCO	SR-SR	17.850
LKPLST3	LKPLST3	SR	TSSPDCL	TGTRANSCO	SR-SR	17.850
MEENAKSHI	MEENAKSHI	SR	TGPCC	TGTRANSCO	SR-SR	137.006
MYHOME	MYHOMEIND	TGTRANSCO	JAYAJOTHI	APTRANSCO	SR-SR	3.120
MYHOME	MYHOMEIND	TGTRANSCO	MYHOMEVUGU	APTRANSCO	SR-SR	1.933
MYHOMELTD	COASTENG	SR	TSSPDCL	TGTRANSCO	SR-SR	24.843
PTC	SIMHAPURI	SR	KSEB	KSEB	SR-SR	257.022
SARDALTD	SARDAMETAL	APTRANSCO	TGPCC	TGTRANSCO	SR-SR	26.243
SBQSTEELS	SBQSTEELS	APTRANSCO	TGPCC	TGTRANSCO	SR-SR	28.484
SEPL	SIMHAPURI	SR	TGPCC	TGTRANSCO	SR-SR	117.784
SITAPURLTD	SITAPURPOW	TGTRANSCO	ZUARICEMEN	APTRANSCO	SR-SR	10.716
STEELEX	STEELEX	APTRANSCO	TGPCC	TGTRANSCO	SR-SR	12.208
TATA	THERMPOWER	SR	BESCOM	KPTCL	SR-SR	15.961
TPCIL	THERMPOWER	SR	APPCC	APTRANSCO	SR-SR	21.153
TPCIL	THERMPOWER	SR	TSSPDCL	TGTRANSCO	SR-SR	341.204
POWER EXCHANGE						
IEX	IEX		APTRANSCO		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	IEX		KPTCL		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	

SCHEDULED INTER REGIONAL AND INTRA REGIONAL EXCHANGES OF POWER DURING March 2016						
TRADER	EXPORTING FROM		IMPORTING TO		WHEELED THROUGH	Total Energy Flow (MU)
	STATE	UTILITY	STATE	UTILITY		
IEX	IEX		KSEB		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	IEX		TNEB		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	IEX		MEENAKSHI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	IEX		TSTRANSCO		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	APTRANSCO		IEX		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	KPTCL		IEX		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	KSEB		IEX		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	TNEB		IEX		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	SIMHAPURI		IEX		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	MEENAKSHI		IEX		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	TPCIL		IEX		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
IEX	TSTRANSCO		IEX		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
PXI	PXI		APTRANSCO		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
PXI	PXI		KPTCL		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
PXI	PXI		KSEB		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
PXI	PXI		TNEB		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
PXI	PXI		TSTRANSCO		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
PXI	APTRANSCO		PXI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	
PXI	KPTCL		PXI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	KSEB		PXI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	TNEB		PXI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	SIMHAPURI		PXI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	MEENAKSHI		PXI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	TPCIL		PXI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	TPCIL		PXI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
PXI	TSTRANSCO		PXI		HVDC GAZUWAKA, I/C AT TALCHER, HVDC AT C'PUR	0.000
ER-SR						
GMRETL	BSESRL	DELHI	KSEB	KSEB	ER-SR	4.793
GMRETL	GMRKAMALA	ORISSA	APPCC	APTRANSCO	ER-SR	0.299
GMRETL	GMRKAMALA	ORISSA	TSSPDCL	TGTRANSCO	ER-SR	0.729
GMRETL	KAMLNGASTU	ORISSA	APPCC	APTRANSCO	ER-SR	2.271
GMRETL	KAMLNGASTU	ORISSA	TSSPDCL	TGTRANSCO	ER-SR	2.088
IEX	DBPOWER	CSEB	KSEB	KSEB	ER-SR	0.375
KISPL	JINDALPOW	WR	APPCC	APTRANSCO	ER-SR	30.436
NVVN	JINDALIND	ORISSA	TANGEDCO	TNEB	ER-SR	3.431
PXIL	GMRKAMALA	ORISSA	KSEB	KSEB	ER-SR	0.414
IEX	THERMPOWER	SR	BIHAR	BIHAR	SR-ER	0.200
IEX	THERMPOWER	SR	WBSEDCL	WBSETCL	SR-ER	0.400
IEX	THERMPOWER	SR	WBSETCL	WBSETCL	SR-ER	1.580
WR-SR						
GOASR	GOASR	GOASR	GOAWR	GOAWR	SR-WR	0.973
IEX	THERMPOWER	SR	TARENTPOW	GUJARATH	SR-WR	0.500
GOA	GOASR	GOASR	GOAWR	GOAWR	SR-WR	0.348
M T O A						

SCHEDULED INTER REGIONAL AND INTRA REGIONAL EXCHANGES OF POWER DURING March 2016						
TRADER	EXPORTING FROM		IMPORTING TO		WHEELED THROUGH	Total Energy Flow (MU)
	STATE	UTILITY	STATE	UTILITY		
M_12_22	NETS	LANCOANPAR	UPPCL	TNEB	NR-SR	107.679
M_12_29A	KSKMAHANADI	KSKMAHANADI	CSEB	APTRANSCO	WR-SR	163.207
M_12_29T	KSKMAHANADI	KSKMAHANADI	CSEB	TGTRANSCO	WR-SR	197.696
M_15_02	JSWPTC	JSWEL	KPTCL	TGTRANSCO	SR-SR	45.476
M_15_03	COASTGEN	COASTENG	SR	TNEB	SR-SR	501.356
M_15_08	TPCIL	THERMPOWER	SR	TGTRANSCO	SR-SR	296.840
M_15_10	SAIL-SALEM	NSPCLBHIL	CSEB	TNEB	WR-SR	3.417
M_15_11	NVVN	CSPDCL	CSEB	KSEB	WR-SR	335.957
M_15_17	JSWPTC	JSWEL	KPTCL	TGTRANSCO	SR-SR	120.454
M_15_26	TPCIL	THERMPOWER	SR	APTRANSCO	SR-SR	253.847
M_15_41	JSWPTC	JSWEL	KPTCL	APTRANSCO	SR-SR	142.970
M_15_44	NSLSUGARS	NSLALAND	KPTCL	TGTRANSCO	SR-SR	3.971
M_15_45	NSLSUGARS	NSLKOPPA	KPTCL	APTRANSCO	SR-SR	7.297
M_15_46	NSLTUNGA	NSLTUNGA	KPTCL	APTRANSCO	SR-SR	9.552
M_15_52R1	PTC	BALCO	CSEB	KSEB	WR-SR	110.472

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

	FREQUENCY (HZ)	DATE	FVI	DATE
MAXIMUM	50.35	18-Mar-16	0.09	11-Mar-16
MINIMUM	49.76	07-Mar-16	0.03	21-Mar-16
AVERAGE	49.99		0.05	

b) FREQUENCY DISTRIBUTION FOR THE MONTH

The frequency ranges as a percentage of time during the month

%TIME FREQUENCY	< 49.7	49.70 - 49.90	49.90-50.05	50.05-50.20	>50.20
% (FROM 17-02-2014)	0.00	10.79	69.49	19.56	0.15

IV) POWER SUPPLY POSITION FOR THE MONTH

	AP	TG	KAR	KER	TN	PONDY	REGION
UNRESTRICTED PEAK DEMAND(MW)	7391	6651	10102	3979	14567	345	40987
PEAK DEMAND MET (MW)	7391	6651	9508	3860	14534	344	40899
UNRESTRICTED ENERGY REQMT(MU)	4803	4470	6646	2267	9688	218	28092
ENERGY MET (MU)	4802	4469	6362	2257	9686	218	27795

B) DETAILED REPORTS.

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

AGENCY	HYDRO	THERMAL	GAS/DIESEL	WIND/OTHERS	NUCLEAR	TOTAL
ANDHRA PRADESH	1759.96	4410.00	272.00	348.40	---	6790.36
TELANGANA	2083.96	3482.50	0.00	1.00	---	5567.46
KARNATAKA	3669.45	4220.00	127.92	18.55	---	8035.92
KERALA	1957.40	---	159.96	2.03	---	2119.39
TAMILNADU	2221.90	4770.00	515.88	17.47	---	7525.25
PONDICHERRY	---	---	32.50	---	---	32.50
CENTRAL SECTOR	---	10490.00	---	---	2320.00	12810.00
IPP	0.00	9630.00	5427.51	14165.06	---	29222.57
TOTAL	11692.67	37002.50	6535.77	14552.50	2320.00	72103.44

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 been included under the IPPs of respective States.

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

(II) SALIENT FEATURES OF SYSTEM CONDITIONS.

INSTALLED CAPACITY DERATED (MW)	APTRANSCO	TELANGANA	KPTCL	KSEB*	TNEB	PONDY	CENTRAL SECTOR	IPP	REGIONAL
Mar-2015	6445	4367	6536	2151	7525	32.5	11810	23281	59970
Mar-2016	6790	5567	8036	2119	7525	32.5	12810	29223	72104
% INCREASE (i)	5.36	27.48	22.95	-1.49	0.00	0.00	8.47	25.52	20.23

*BDPP Units Derated

ENERGY (GROSS) Unrestricted Requirement(MU)	APTRANSCO	TELANGANA	KPTCL	KSEB	TNEB	PONDY	REGIONAL
Mar-2015	4517	4477	6086	2036	8969	199	26283
Mar-2016	4803	4470	6646	2267	9688	218	28092
Energy Availability (MU)							
Mar-2015	4511	4375	5927	2021	8668	199	25700
Mar-2016	4802	4469	6362	2257	9686	218	27795
Shortage(-)/ Surplus(+)							
Mar 2015 (MU) / %	-6 / (-0.14)	-102 / (-2.28)	-159 / (-2.60)	-15 / (-0.74)	-301 / (-3.36)	0 / (-0.04)	-583 / (-2.22)
Mar 2016 (MU) / %	-1 / (-0.02)	-1 / (-0.02)	-284 / (-4.28)	-9 / (-0.42)	-2 / (-0.02)	0 / (-0.02)	-297 / (-1.06)

DEMAND Unrestricted Demand (MW)	APTRANSCO	TELANGANA	KPTCL	KSEB	TNEB	PONDY	REGIONAL
Mar-2015	6794	6943	9893	3716	13695	316	39255
Mar-2016	7391	6651	10102	3979	14567	345	40987
Availability (MW)							
Mar-2015	6784	6755	9549	3602	13051	314	38090
Mar-2016	7391	6651	9508	3860	14534	344	40899
Shortage(-)/ Surplus(+)							
Mar 2015 (MW) / %	-10 / (-0.15)	-188 / (-2.70)	-344 / (-3.47)	-113 / (-3.05)	-644 / (-4.70)	-2 / (-0.58)	-1165 / (-2.97)
Mar 2016 (MW) / %	0 / (-0.00)	0 / (-0.00)	-594 / (-5.88)	-119 / (-2.98)	-33 / (-0.23)	-1 / (-0.25)	-88 / (-0.21)

IV) PERFORMANCE OF CONSTITUENTS
**ENERGY GENERATED BY GENERATING STATIONS / UNITS IN
SOUTHERN REGION DURING March 2016**
ANDHRA PRADESH

SL.NO.		STATION	EFFECTIVE INSTALLED CAPACITY (MW)		ENERGY GENERATION	
					Mar-16	From 01-04-15 To 31-03-2016
HYDRO						
1		MACHKUND	3x(23+17)x70%	= 84.00	25.50	293.88
2		T.B.DAM	(8x9)x80%	= 57.60	0.00	149.23
3		UPPER SILERU	4x60	= 240.00	67.03	608.35
4		DONKARAYI	1x25	= 25.00	6.28	88.39
5		LOWER SILERU	4x115	= 460.00	120.37	1298.00
6		SRISAILAM RBPH	7x110	= 770.00	30.21	895.75
7		NSR RT.CANAL.P.H	3x30	= 90.00	0.00	90.00
8		PENNA AHOBILAM	2x10	= 20.00	0.00	26.49
9		MINI HYDEL (+ APTRIPOCO 1.2 MW)	13.36	= 13.36	1.46	18.60
		TOTAL		1759.96	250.86	3468.69
THERMAL						
COAL						
1		VIJAYAWADA	6x210 + 1x500	= 1760.00	1208.49	10122.51
2		RAYALASEEMA	5x210	= 1050.00	691.13	5956.31
3		KRISHNAPATNAM	2x800	= 1600.00	624.41	4392.54
		TOTAL		4410.00	2524.03	20471.36
GAS/NAPTHA/DIESEL						
1		VIJESWARAM STAGE 1 (GAS)	2x33+1x34	= 100.00	0.00	0.96
2		VIJESWARAM STAGE 2 (GAS)	1x112.5+1x59.5	= 172.00	58.94	589.54
		TOTAL		272.00	58.94	590.50
WIND/SOLAR						
1		WIND	347.4	= 347.40	0.00	0.00
2		SOLAR JURALA	1	= 1.00	0.00	0.00
		TOTAL		348.40	0.00	0.00
IPP						
HYDRO						
1		MINI HYDRO	105.64	= 105.64	10.00	83.00
COAL						
1		SIMHADRI (AP) - NTPC	2x500	= 1000.00	722.96	5109.36
2		HINDUJA POWER CORPORATION LTD\$	2x520	= 1040.00		0.00
3		CAPTIVE POWER PLANTS	0	= 0.00	35.01	440.32
GAS/NAPTHA/DIESEL						
1		JEGURUPADU (GAS)	2x45.8+1x48.9+1x75.5	= 216.82	16.83	458.77
2		GVK EXTENSION(GAS)	1x145+1x75	= 220.00	0.00	58.41
3		SPECTRUM (GAS)	1x46.8+2x46.1+1x68.88	= 208.31	43.80	447.83
4		LANCO (GAS)	2x115+1x125	= 351.49	81.63	396.24
5		ISOLATED GAS WELL (GAS) (LVS)	27.04	= 27.04	7.00	67.00
6		RELIANCE ENERGY LTD. (GAS)	1x140+1x80	= 220.00	0.00	0.00
7		VEMAGIRI POWER GENERATION LTD.(GAS)	1x233+1x137	= 370.00	231.70	938.96
8		GAUTAMI CCPP	2x145 + 1x174	= 464.00	0.00	104.33
9		KONASEEMA CCPP	145.9911+140.0899+165	= 444.08	0.00	0.01
10		GMR (BARG)	237	= 237.00	0.00	0.00
WIND / SOLAR / OTHERS						
1		WINDMILL	528.99	= 528.99	83.88	1756.86
2		SOLAR (Cuddapah, Ananthpur, MehboobNagar,Chittoor)	85	= 85.00	19.59	103.85
3		RCL	41	= 41.00	20.00	249.00
4		BAGASSE+BIOMASS+WASTE BASED PP+CO-GENERATION (NC)	274.8+29.25	= 304.05	259.66	2638.58
5		MINI POWER PLANTS	78.79	= 78.79	7.00	7.44
		TOTAL		5942.21	1539.07	12859.96
		TOTAL ANDHRA PRADESH		12732.570	4372.90	37390.50

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

TELANGANA

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-16	From 01-04-14 To 31-03-2016
HYDRO				
1	SRISAILAM LBPH	6x150 = 900.00	32.31	968.90
2	N'SAGAR	1x110+7x100.8 = 815.60	10.46	853.20
3	NSR LT.CANAL P.H	2x30 = 60.00	0.00	96.90
4	NIZAMSAGAR	2x5 = 10.00	0.00	28.25
5	POCHAMPAD	4x9 = 36.00	0.00	36.00
6	SINGUR	2x7.5 = 15.00	0.00	15.00
7	JURALA	6x39 = 234.00	0.17	248.86
8	MINI HYDEL	13.36 = 13.36	0.00	13.36
	TOTAL	2083.96	42.95	2260.48
THERMAL				
COAL				
1	RAMAGUNDAM-B	1x62.5 = 62.50	34.78	295.18
2	KOTHAGUDEM-A	4x60 = 240.00	135.08	1151.23
3	KOTHAGUDEM-B	2x120 = 240.00	121.32	1153.13
4	KOTHAGUDEM-C	2x120 = 240.00	125.69	1230.12
5	KOTHAGUDEM-D	2x250 = 500.00	362.20	2814.20
6	KOTHAGUDEM ST.VI	1x500 = 500.00	280.52	2500.36
7	KAKATIYA ST1&ST2	1x500+1x600 = 1100.00	573.88	3139.15
8	SINGARENI TPS	1x600 = 600.00	0.00	0.00
	TOTAL	3482.50	1633.46	12283.36
WIND/SOLAR				
1	SOLAR JURALA	1 = 1.00	1.17	3.17
	TOTAL	1.00	1.17	3.17
IPP				
HYDRO				
1	MINI HYDRO	0 = 0.00	0.32	67.07
COAL				
2	CAPTIVE POWER PLANTS	0 = 0.00	10.00	863.34
WIND / SOLAR / OTHERS				
1	SOLAR	62.27 = 62.27	32.00	168.98
2	BAGASSE+BIOMASS+WASTE BASED PP+CO-GENERATION (NC)	205.25+53.76 = 259.01	92.00	708.41
	TOTAL	321.28	134.32	1807.80
	TOTAL TELANGANA	5888.740	1811.90	16354.81

KARNATAKA

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-16	From 01-04-15 To 31-03-2016
HYDRO				
1	SHARAVATHI	10x103.5 = 1035.00	23.48	2281.09
2	LINGANAMAKKI P.H.	2x27.5 = 55.00	14.55	107.37
3	JOG (MGHES)	4x21.6+4x13.2 = 139.20	63.50	270.87
4	NAGJHERI	1x135+5x150 = 885.00	276.31	1722.03
5	SUPA	2x50 = 100.00	42.19	288.42
6	VARAHI	4x115 = 460.00	109.91	675.76
7	BHADRA POWER HOUSE	1x7+2x12.1+1x2+6 = 39.20	3.47	37.06
8	SIVANSAMUDRAM	6x3+4x6 = 42.00	5.48	153.33
9	SHIMSHA	2x8.6 = 17.20	0.00	62.65
10	MUNIRABAD	1x10 + 3x9 = 28.00	0.00	47.55
11	T.B.DAM SHARE (20 %)	8x9(20%) = 14.40	0.01	30.21
12	GHATAPRABHA	2x16 = 32.00	3.74	23.46
13	MANI DAM.P.H.	2x4.5 = 9.00	3.71	18.51
14	MINI HYDRO	1.4+0.35+2.7 = 4.45	0.00	2.16
15	MALLAPUR	2x4.5 = 9.00	0.00	0.00
16	KADRA	3x50 = 150.00	22.05	205.06
17	KODASALLI	3x40 = 120.00	27.62	182.01
18	SHARAVATHI TAIL RACE	4x60 = 240.00	29.27	259.26
19	ALMATTI	1x15+5x55 = 290.00	0.60	129.64
	TOTAL	3669.45	625.89	6496.45
THERMAL				
COAL				
1	RAICHUR.T.PS.	7x210 +1x250 = 1720.00	846.54	9457.34
2	BELLARY TPS	2x 500+1x700\$ = 1700.00	659.28	5221.02
3	YERAMARAS TPS	1x800\$ = 800.00	0.00	0.00
	TOTAL	4220.00	1505.82	14678.35
GAS/NAPTHA/DIESEL				
1	YELEHANKA (DIESEL)	6x21.32 = 127.92	1.03	0.00
	TOTAL	127.92	1.03	0.00
WIND				
1	KAPPATAGUDDA	4.55 = 4.55	0.40	7.07
2	SOLAR	9+5 = 14.00	3.35	26.68
	TOTAL	18.55	3.76	33.76

IPP						
HYDRO						
1	MINI HYDEL	702.66	=	702.66	0.00	0.00
COAL						
1	UPCL(THERMAL)	2x600	=	1200.00	805.34	6324.55
2	JINDAL (COAL & COREX)	2x130+4x300	=	1460.00	338.23	2396.03
GAS/NAPTHA/DIESEL						
1	TATA ELECTRIC (DIESEL)	5x16.26	=	81.30	0.00	81.57
2	RAYAL SEEMA ALKALIES (DIESEL)	3x12	=	27.80	6.68	82.47
3	I T P L (DIESEL)	9	=	9.00	19.83	79.24
WIND / SOLAR / OTHERS						
1	WIND MILL & SOLAR	2667.33	=	2667.33	0.00	3106.84
2	CO-GENERATION	952.66	=	952.66	711.88	7910.63
3	BIO-MASS	88.5	=	88.50	0.00	0.00
	TOTAL			7189.25	1881.96	19981.33
	TOTAL KARNATAKA			15225.170	4018.46	41189.89

KERALA

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION			
			Mar-16	From 01-04-15 To 31-03-2016		
HYDRO						
1	KUTTIADI + EXTENTION + ADDL. EXTN.	3x25 + 50 +50+50	=	225.00	57.02	501.75
2	SHOLAYAR	3x18	=	54.00	24.38	160.68
3	PORINGALKUTHU	4x8	=	32.00	3.58	137.25
4	PORIG. L. BANK	16	=	16.00	9.14	92.34
5	PALLIVASAL	3x7.5+3x5	=	37.50	18.05	182.21
6	SENGULAM	4x12	=	48.00	10.52	135.59
7	PANNIAR	2x16	=	32.00	16.08	133.94
8	NERIAMANGALAM + EXTENSION	3x17.5 +25	=	77.50	21.89	288.87
9	SABARIGIRI	1x60 + 4x55	=	280.00	102.55	986.37
10	IDUKKI	3x130+3x130	=	780.00	248.73	1913.19
11	IDAMALAYAR	2x37.5	=	75.00	29.26	231.76
12	KALLADA	2x7.5	=	15.00	7.29	37.62
13	PEPPARA	3	=	3.00	0.43	3.27
14	MADUPETTY	2	=	2.00	0.80	3.49
15	MALAMPUZHA	1x2.5	=	2.50	0.00	1.71
16	L.PERIYAR	3x60	=	180.00	20.56	429.20
17	KAKKAD	2x25	=	50.00	16.06	156.40
18	CHEMBUKADAVU	1x2.7+1x3.75	=	6.45	0.00	10.50
19	URUMI	1 x 3.75 + 1 x 2.4	=	6.15	0.00	14.12
20	MALANKARA	3 x 3.5	=	10.50	3.15	26.66
21	LOWER MEENMUTTY	2x1.5 + 1x0.5	=	3.50	0.03	4.31
22	KUTTIADI TAIL RACE	3 x 1.25	=	3.75	0.81	7.16
23	POOZHITHODE	3 x 1.60	=	4.80	0.00	8.60
24	RANIPERUNADU	2 x 2	=	4.00	0.44	6.26
25	VILANGAD	3x2.5	=	7.50	0.00	12.31
26	PEECHI	1 x 1.25	=	1.25	0.23	2.69
	TOTAL			1957.40	591.01	5488.23
GAS/NAPTHA/DIESEL						
1	BRAHMAPURAM DGPP (DIESEL)*	3x21.32	=	63.96	2.82	10.24
2	KOZHICODE DPP (DIESEL)*	6x16	=	96.00	17.01	117.68
	TOTAL			159.96	19.83	127.92
WIND						
1	WIND MILL	2.025	=	2.03	0.06	2.58
	TOTAL			2.03	0.06	2.58
IPP						
HYDRO						
1	MANIYAR	3x4	=	12.00	1.10	25.08
2	KUTHUNGAL	3x7	=	21.00	5.12	36.70
3	ULLUNGAL	2x3.5	=	7.00	0.96	14.43
4	IRUTTUKANAM	1x3	=	3.00	0.34	22.41
5	KARIKKAYAM	3 x 3.5	=	10.50	1.62	21.13
6	MEENVALLAM	1 x 2.5	=	2.50		4.75
GAS/NAPTHA/DIESEL						
1	RGCCPP,KAYAMKULAM (KSEB) - NTPC	2x116.6(GT)+1x126.38(ST)	=	359.58	0.00	142.75
2	BSES (NAPTHA)	3x40.5(GT)+1x35.5(ST)	=	157.00	0.00	0.05
3	KASARGODE (DIESEL)	3x7.31	=	21.93	0.00	5.67
4	MPS STEEL CASTINGS	1x10	=	10.00	0.00	0.00
WIND/OTHERS						
1	AGALI	31 x 0.6	=	18.60	0.00	36.72
2	RAMAKKELMEDU	19 X 0.75	=	14.25	0.00	24.30
3	PCBL Co-Generation	10	=	10.00	0.00	27.18
	TOTAL			647.36	9.14	361.16
	TOTAL KERALA			2766.745	620.04	5979.89

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

TAMILNADU

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-16	From 01-04-15 To 31-03-2016
HYDRO				
1	PYKARA	3x6.65+1x11+2x14 = 58.95	4.80	46.17
2	PYKARA MICRO	1x2 = 2.00	1.26	4.97
3	PYKARA ULTIMATE (PUSHEP)	3x50 = 150.00	49.01	233.66
4	MOYAR	3x12 = 36.00	16.97	95.13
5	MARAVAKANDI	1x0.75 = 0.75	0.18	0.76
6	KUNDAH-I	3x20 = 60.00	32.18	192.04
7	KUNDAH-II	5x35 = 175.00	76.41	511.43
8	KUNDAH-III	3x60 = 180.00	41.55	294.38
9	KUNDAH-IV	2x50 = 100.00	5.36	91.45
10	KUNDAH-V	2x20 = 40.00	5.20	32.40
11	SURULIYAR	1x35 = 35.00	6.39	79.75
12	KADAMPARAI	4x100 = 400.00	58.02	358.83
13	ALIYAR	1x60 = 60.00	13.94	133.48
14	POONACHI	1x2 = 2.00	0.03	2.74
15	METTUR DAM	4x12.5 = 50.00	4.79	81.75
16	METTUR TUNNEL	4x50 = 200.00	0.00	246.39

TAMILNADU

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-16	From 01-04-15 To 31-03-2016
17	LOWER METTUR BARRIAGE - 1 TO 4	8x15 = 120.00	3.58	214.54
18	BHAVANISAGAR MICRO	4x2 = 8.00	2.85	29.18
19	PERIYAR	4x35 = 140.00	18.93	471.27
20	VAIGAI	2x3 = 6.00	0.45	17.33
21	PAPANASAM	4x8 = 32.00	7.17	106.54
22	SERVALAR	1x20 = 20.00	2.31	58.37
23	SARKARAPATHY	1x30 = 30.00	15.73	70.87
24	SHOLAYAR	2x35+25 = 95.00	0.02	225.04
25	KODAYAR	1x60+1x40 = 100.00	36.20	236.23
26	LOWER BHAVANISAGAR	2X4 = 8.00	0.08	6.62
27	SATHANUR DAM PH	1x7.5 = 7.50	3.30	9.79
28	KUNDAH-VI (Parson Valley)	1x30 = 30.00	5.54	24.01
29	MICRO TOTAL	0.70+1.95+2.5+4+1.3+5.25 = 15.70	0.12	7.53
30	BHAVANI KATTALAI BARRAGE - I & II	4x15 = 60.00	0.20	11.36
TOTAL		2221.90	412.57	3894.02

THERMAL
COAL/LIGNITE

2	ENNORE.T.P.S	2x60+3x110 = 450.00	35.90	350.67
3	TUTUCORIN.T.P.S	5x210 = 1050.00	547.78	5816.15
4	METTUR.T.P.S	4x210 + 1x600 = 1440.00	1006.51	8439.59
5	NORTH CHENNAI T.P.S	3x210 + 2x600 = 1830.00	1044.36	9089.98
TOTAL		4770.00	2634.55	23696.39

GAS/NAPTHA/DIESEL

1	BASIN BRIDGE (NAPTHA)	4x30 = 120.00	0.22	8.66
2	KOVIL KALAPPAL (GAS)	1x70+1x37.88 = 107.88	39.22	324.41
3	VALATHUR (GAS) STG1	1x60+1x35 = 95.00	60.97	604.01
4	VALATHUR (GAS) STG2	1 x 60 + 1 x 32 = 92.00	0.00	0.00
5	KUTTALAM (GAS)	1x64+1x37 = 101.00	39.60	463.41
TOTAL		515.88	140.00	1400.49

WIND / SOLAR

1	TNEB WIND MILL	17.465 = 17.47	0.00	0.00
TOTAL		17.47	0.00	0.00

IPP
LIGNITE/THERMAL

1	NEYVELLI (TN) - NLC	6x50+3x100 = 600.00	318.56	2702.95
2	ST - CMS	250 = 250.00	136.46	1170.86

GAS/NAPTHA/DIESEL

1	GMR POWER (DIESEL)	4x49 = 196.00	0.00	0.00
2	SAMALPATTY (DIESEL)	7x15.1 = 105.66	0.00	35.49
3	MADURAI POWER CL (DIESEL)	106 = 106.00	7.83	35.39
4	P P NALLUR (NAPTHA)	330.5 = 330.50	47.75	145.03
5	ABAN POWER (GAS)	74.41+38.81 = 113.20	46.63	515.71
6	ARKEY ENERGY(PENNA)(GAS)	1x38 + 2x6.8 + 1x20 = 52.80	33.12	146.53

WIND / SOLAR / OTHERS

1	WIND MILL *	7234.445 = 7234.45	182.60	7061.24
2	SOLAR	119.060 = 119.06	97.70	285.05
3	CO-GENERATION	659.40 = 659.40	1087.440	8986.18
4	BIO-MASS & CPP	177.4 = 177.40		
TOTAL		9944.47	1958.07	21084.42
TOTAL TAMIL NADU		17469.71	5145.20	50075.31

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-16	From 01-04-15 To 31-03-2016
GAS/NAPTHA/DIESEL					
1		KARAIKAL POWER PLANT (GAS)	22.9 + 9.6 = 32.50	0.00	0.00
		TOTAL	32.50	0.00	0.00
		TOTAL PONDICHERRY	32.50	0.00	0.00

IPP UNDER OPEN ACCESS

GAS/NAPTHA/DIESEL				
1	LANCO KONDAPPILLI POWER LTD. ST2&ST3	233 + 133+2*(233 + 133) = 1098.00	81.63	194.65
2	SIMHAPURI ENERGY PVT LTD	4 x 150 = 600.00	329.63	3448.34
3	MEENAKSHI ENERGY PVT LTD	2 x 150 = 300.00	161.40	1416.85
4	COASTAL ENERGY	2x600 = 1200.00	409.63	2368.89
5	TPCIL	2x660 = 1320.00	903.32	5961.87
6	IL&FS	1x660 = 660.00	380.80	984.51
	TOTAL	5178.00	1885.62	13390.60
	TOTAL IPP UNDER OPEN ACCESS	5178.00	1885.62	13390.60

CENTRAL SECTOR

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION		
			Mar-16	From 01-04-15 To 31-03-2016	
THERMAL					
COAL					
1	RAMAGUNDAM T.P.S (ISGS) - NTPC	3x200+4x500	= 2600	1921.13	16921.15
2	TALCHER STAGE II (ISGS) - NTPC	4x500	= 2000	1433.71	13330.54
3	SIMHADRI STAGE - II - NTPC	2x500	= 1000	703.94	6056.00
4	VALLUR TPS - NTPC	3x500	= 1500	500.02	6407.81
5	NTPL	2X500	= 1000	538.27	2905.90
LIGNITE					
5	NEYVELI-II (ISGS) - NLC	7x210	= 1470	1057.59	8992.74
6	NEYVELI TPS-I (Expansion) (ISGS) - NLC	2x210	= 420	318.30	2823.94
7	NEYVELI TPS-II (Expansion) (ISGS) - NLC	2 x 250	= 500	31.62	615.42
	TOTAL		10490.00	6504.58	58053.50
NUCLEAR					
1	M.A.P.S KALPAKAM (ISGS) - NPC	2x220	= 440.00	292.31	2695.08
2	KAIGA A.P.S (ISGS) - NPC	4x220	= 880.00	684.23	6365.11
3	KUDANKULAM A.P.S (ISGS) - NPC	1x1000	= 1000.00	639.32	1831.22
	TOTAL		2320.00	1615.86	10891.41
	TOTAL CENTRAL SECTOR		12810.00	8120.44	68944.91
	GRAND TOTAL		72103.44	25974.55	233325.91

§ - UNITS SYNCHRONISED SUCCESSFULLY BUT YET TO DECLARE COD

*KDPP,BDPP 2 UNITS EACH DECOMMISSIONED

V) RESERVOIR PARTICULARS

NAME OF RESERVOIR	STORAGE						INFLOWS
	MODL (M)	FRL (M)	LEVEL (M)		ENERGY (MU/s)		
			As on 1 st	As on 29th	As on 1 st	As on 29th	
JALAPUT	818.39	838.40	835.03	833.63	394.00	340.00	15.73
LINGANAMAKKI	522.70	554.50	544.59	542.64	2004.00	1665.00	3.32
SUPA	495.00	564.00	539.12	536.94	1303.00	1185.00	10.12
EDUWAKI	694.90	732.40	718.74	716.15	1154.00	998.00	20.11
KAKKI	908.30	981.50	972.04	969.26	601.00	530.00	24.96
NILGIRIS	---	---	0.00	0.00	1002.00	871.00	26.44

VI) BRIEF DESCRIPTION OF GRID INCIDENTS:-

S.NO.	ELEMENT NAME	Date Of tripping	Time of Tripping	Date of Restoration	Time of Restoration	Category	Load Loss	Brief details
1	HVDC TALCHER - KOLAR POLE 1 AT KOLAR	08-03-16	1:29	08-03-16	2:12	GI-2	--	Pole tripped due to Emergency switch command from Talcher due to problem in Valve cooling system
2	HVDC TALCHER - KOLAR POLE 2 AT KOLAR	08-03-16	5:44	08-03-16	9:15	GI-2	--	Pole tripped on operation of Bridge differential protection
3	HVDC GAJUWAKA POLE 1	10-03-16	12:31	10-03-16	13:38	GI-2	--	400KV Jeypore-Gazuwaka line-1&2 tripped Disturbance in south Odisha System. HVDC Gazuwaka pole-1&2 tripped due to tripping of tripping of 400KV Jeypore-Gazuwaka lines
4	HVDC GAJUWAKA POLE 2	10-03-16	12:31	10-03-16	13:45	GI-2	--	400KV Jeypore-Gazuwaka line-1&2 tripped Disturbance in south Odisha System. HVDC Gazuwaka pole-1&2 tripped due to tripping of tripping of 400KV Jeypore-Gazuwaka lines
5	HVDC TALCHER - KOLAR POLE 1 AT KOLAR	22-03-16	7:35	22-03-16	9:07	GI-2	--	Fire fighting system VESDA got operated at Kolar end due to smoke in valve hall.
6	HVDC GAJUWAKA POLE 1	31-03-16	15:09	31-03-16	16:51	GI-2	--	ASYMMETRIC FAULT

VII) BRIEF DESCRIPTION OF GRID DISTRUBANCES:-

S.NO.	ELEMENT NAME	Date Of tripping	Time of Tripping	Date of Restoration	Time of Restoration	Category	Load Loss	Brief details
1	Complete outage at NTPL TPS (NLC TAMILNADU POWER LIMITED)	02-03-16	7:20	02-03-16	8:20	GD-1	Gen loss : 900 MW	400KV NTPL-Coastal line & 400KV NTPL-Tuticorin PS line tripped on transient faults. Line did not auto-reclose at NTPL end. Running Unit-1&2 at NTPL tripped after tripping of both evacuating feeders
2	Complete outage of 220KV Regulapadu Station of APTRANSCO	02-03-16	14:32	02-03-16	15:30	GD-1	Nil	Triggering incident was failure of 220KV R-phase metering Potential transformer at 220KV Regulapadu Substation. Bus bar protection is not active/ available at Regulapadu substation. This resulted in tripping of remote end source feeders on operation of zone-2 protection. .
3	Complete outage of 220KV Malayalpalli Station of TSTRANSCO	10-03-16	18:40	10-03-16	19:08	GD-1	Nil	CT failure occurred in 220KV Ramagundam-Malayalpalli line-1. CT failure resulted into a Bus fault. Busbar protection was taken out of service to replace CPU. Hence feeders tripped on zone-2 protection from remote ends.
4	Complete outage of 220KV Srisaillam right bank station of APGENCO	11-03-16	14:36	11-03-16	14:40	GD-1	Nil	Fault had occurred in 220KV Srisaillam-Bilakaguduru feeder. At Srisaillam right bank, BHEL make MOCB could not trip due to problem in breaker mechanism. Breaker lockout condition led to operation of LBB protection relay and tripping of 220KV Bus-I at Srisaillam right bank station. Bus-II isolator change over relay for 220KV Srisaillam- Mydukuru feeder malfunctioned and operated the Bus-I and Bus-II interconnected relay, which led to extending the trip command from Bus-I to Bus-II. This resulted in tripping of all feeders connected to Bus-II. There was no generation at the time of tripping
5	Complete outage at NTPL TPS (NLC TAMILNADU POWER LIMITED) and Coastal TPS	14-03-16	1:36	14-03-16	3:04	GD-1	Gen loss : 1430	Tripping of 400KV NTPL-tuticorin line tripped due to transient fault. NTPL end did not auto-reclose. Y pole of breaker did not close while closing breaker from NTPL end. 400KV Coastal-Tuticorin PS line tripped from Tuticorin end on operation of zone-4 which was found to be a mal-operation. Also, after 1 sec of closing of breaker at NTPL, a 3 phase to earth fault had occurred in 400KV NTPL-Tuticorin PS line. Unit at coastal and NTPL tripped due to tripping of 400KV NTPL-Tuticorin PS line and 400KV Coastal-Tuticorin PS line .
6	Complete outage at NTPL TPS (NLC TAMILNADU POWER LIMITED)	15-03-16	3:39	15-03-16	3:51	GD-1	Gen loss : 415 MW	400KV NTPL-Coastal line & 400KV NTPL-Tuticorin PS line tripped on transient fault. Line did not auto-reclose at NTPL end. Running Unit-1&2 at NTPL tripped after tripping of both evacuating feeders
7	Complete outage of 220KV Peenya substation of KPTCL	16-03-16	11:49	16-03-16	11:58	GD-1	load loss : 510 MW	220KV Peenya-Nelamangala-3 tripped on B-N fault at 11:39 Hrs on 16-03-2016 at both ends. At the same time 220KV Peenya-Nelamangala-4 tripped on R-Y fault at Nelamangala end only but not at Peenya end. Due to tripping of these two lines, 220KV Peenya-Nelamangala-2 tripped on overcurrent protection.
8	Complete outage of 220KV Hubli station of KPTCL	18-03-16	14:24	18-03-16	14:56	GD-1	Load loss: 290 MW	Complete outage of 220KV Hubli of KPTCL. All connected lines at 220KV Hubli tripped from remote ends on operation of distance protection zone-2 due to Bus fault at 220KV Hubli. Bus bar protection is not functional at 220KV Hubli station.
9	Complete outage of 220KV Ambewadi station and Nagheri station of KPTCL	18-03-16	14:37	18-03-16	15:13	GD-1	Load loss : 333 MW, Gen loss:300 MW	220KV ambewadi-Narendra line-1&2 wer feeding 220KV Ambewadi due to tripping of lines at 220KV Hubli. Ambewadi Narendra line-2 tripped on fault and 220KV ambewadi Narendra line-1 tripped due to over-loading. Running Units at Nagheri also tripped during the event due to tripping of evacuating lines
10	Complete outage of 220KV Chekanoorani (Madurai) substation of TANTRANSCO	21-03-16	14:26	21-03-16	15:31	GD-1	Nil	Fault had occurred in 230KV Chekanoorani-Sembatty line. R-pole lim opened with a time delay at Chekanoorani end which resulted in operation of LBB protection resulting in outage of 230KV Bus at 230KV Chekanoorani S/s. There is single bus operation at 230KV Chekanoorani S/s
11	Complete outage of 400KV Hoody substation of KPTCL	26-03-16	12:42	26-03-16	13:20	GD-1	load loss : 800 MW	400KV Hoody-Nellamangala line-1&2 , 400KV Hoody-Kolar line-1&2, 400/220KV ICT-2 at Hoody tripped during the incident. ICT-1&3 were hand tripped after the incident. 3 faults had occurred in 400KV Kolar-Hoody line-2 due to fire beneath line. 1st fault was R-phase to earth fault, 2nd was B-phase to earth and 3rd was 3phase to earth fault. Distance protection of 400KV Neelamangala-Hoody line-1&2 , 400KV Kolar-Hoody line-1 over-reached during the 3rd fault from Neelamangala and Kolar ends and tripped the breakers at respective ends.

VIII) DETAILS OF CAPACITORS INSTALLED:-

STATE	Installed as on 31.03.2015	Additional Requirement During 2015-16	Actual Addition During 2015-16 upto 31.03.16	Balance
APTRANSCO	6622.20	26.20	0.00	26.20
KPTCL	4484.32	56.31	0.00	56.31
KSEB	995.00	10.00	0.00	10.00
TNEB #	3590.41	122.40	2.40	120.00
PUDUCHERY	77.02	0.00	0.00	0.00
TOTAL	15768.95	214.91	2.40	212.51

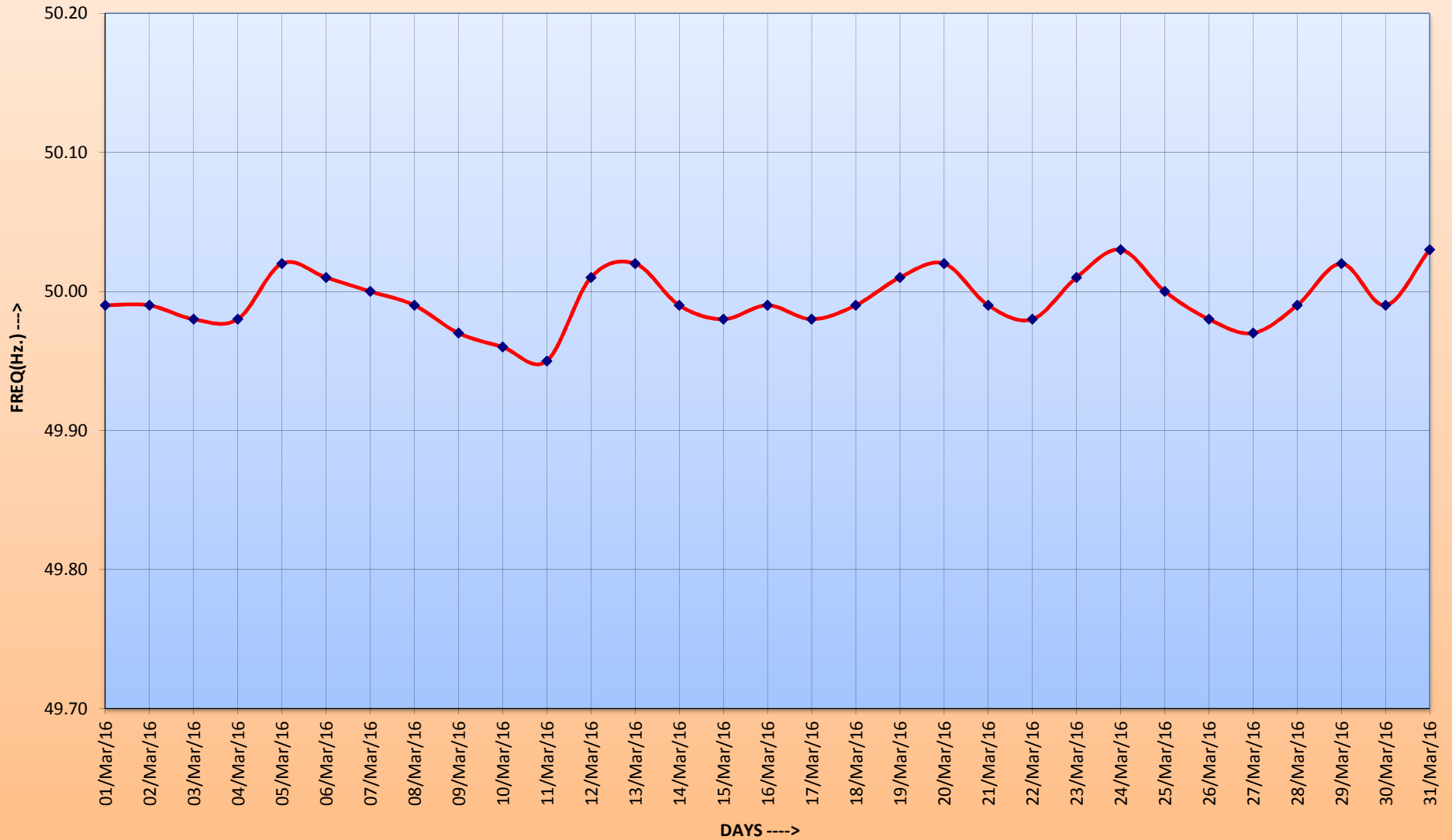
NET DRAWAL SCHEDULE AND ACTUAL DRAWAL FOR THE MONTH OF March 2016

	ANDHRA PRADESH		TELANGANA		KARNATAKA		KERALA		TAMILNADU		PONDICHERRY	
DATE	Net Schd	Act. Drawal	Net Schd	Act. Drawal	Net Schd	Act. Drawal	Net Schd	Act. Drawal	Net Schd	Act. Drawal	Net Schd	Act. Drawal
01-Mar-16	21.78	20.82	80.19	81.07	59.58	66.45	49.20	51.29	145.45	147.87	6.70	6.72
02-Mar-16	21.16	23.41	84.11	84.29	60.18	65.73	49.28	51.81	143.03	143.57	6.81	6.65
03-Mar-16	21.09	21.72	83.75	83.72	64.11	65.48	50.58	52.42	141.38	142.18	6.94	6.84
04-Mar-16	20.30	20.02	81.88	81.71	70.29	72.82	50.06	52.07	144.14	145.91	7.08	6.88
05-Mar-16	18.04	19.74	79.83	80.65	63.07	66.65	47.78	50.59	142.83	145.29	6.89	6.92
06-Mar-16	21.75	23.74	74.73	75.96	61.15	63.85	47.99	49.86	139.45	140.92	6.51	8.59
07-Mar-16	21.21	20.82	80.46	82.02	67.13	66.64	49.88	52.27	140.91	144.08	7.21	6.78
08-Mar-16	19.26	19.34	80.29	81.54	68.74	70.22	49.16	50.78	147.58	148.73	7.19	6.64
09-Mar-16	20.72	21.57	81.08	82.50	67.67	69.69	50.87	52.38	151.21	154.50	7.27	6.85
10-Mar-16	18.44	19.21	84.80	85.90	66.36	68.07	50.94	52.70	155.27	156.85	7.31	6.99
11-Mar-16	21.06	21.93	85.79	87.27	64.78	65.55	51.82	53.08	148.12	151.34	7.21	7.04
12-Mar-16	21.56	21.99	82.21	81.69	62.43	65.51	50.60	52.22	152.20	158.52	7.22	7.18
13-Mar-16	23.19	26.16	76.19	77.03	59.27	60.99	50.99	52.74	152.19	153.10	6.82	6.51
14-Mar-16	21.65	23.10	88.86	88.23	54.20	59.18	50.01	52.22	138.23	142.95	7.15	6.83
15-Mar-16	14.63	18.27	104.78	104.34	47.01	51.55	48.05	50.59	141.78	144.29	7.27	7.11
16-Mar-16	19.80	20.13	96.02	95.43	57.38	59.89	48.14	50.19	146.72	149.11	7.34	7.13
17-Mar-16	18.08	20.85	90.91	90.27	56.73	60.88	49.09	51.25	148.42	151.40	7.27	7.09
18-Mar-16	22.18	22.59	92.48	92.19	52.66	57.99	48.32	50.65	149.02	152.24	7.51	7.17
19-Mar-16	20.12	22.37	88.16	88.91	58.38	62.05	49.59	51.87	148.95	151.00	7.50	7.13
20-Mar-16	19.65	20.53	77.54	78.55	68.29	71.64	51.70	54.24	148.76	151.28	6.89	6.57
21-Mar-16	21.30	22.48	80.38	81.15	67.40	69.71	52.03	54.92	145.47	146.13	7.33	7.00
22-Mar-16	25.50	28.06	82.31	83.07	61.92	66.75	51.81	54.27	149.60	148.59	7.45	7.18
23-Mar-16	27.68	29.84	82.27	81.89	61.17	63.90	50.53	53.24	149.44	150.75	7.38	7.22
24-Mar-16	30.57	31.34	82.30	82.93	64.35	66.39	52.44	55.50	152.23	156.09	6.58	6.13
25-Mar-16	28.35	28.65	87.13	86.58	62.36	65.78	51.36	53.58	150.00	153.86	7.39	7.14
26-Mar-16	21.61	20.98	86.80	86.58	62.84	68.18	51.19	53.92	152.16	155.41	7.50	7.20
27-Mar-16	13.42	14.64	81.19	81.82	58.93	61.70	49.89	53.92	148.60	151.59	6.74	7.47
28-Mar-16	15.97	17.00	90.61	91.40	59.80	64.42	49.66	52.67	147.73	148.63	7.15	7.04
29-Mar-16	23.60	24.90	92.31	93.73	61.74	65.83	50.58	53.08	154.62	159.68	7.46	7.40
30-Mar-16	27.62	27.75	89.40	89.74	64.94	63.97	52.10	54.38	158.87	161.73	7.66	7.37
31-Mar-16	22.41	24.93	88.55	89.11	68.20	72.35	51.56	54.16	156.42	158.03	7.63	7.41
TOTAL	663.70	698.88	2637.31	2651.27	1923.06	2019.81	1557.20	1628.86	4590.78	4665.62	222.36	218.18

FREQUENCY PROFILE FOR March 2016

	MAX	MIN	AVG	<49.9	49.9-50.05	>50.05	FVI	STD_DEV
01-Mar-16	50.22	49.78	49.99	7.99	72.84	19.17	0.04	0.07
02-Mar-16	50.22	49.78	49.99	11.18	72.50	16.32	0.04	0.07
03-Mar-16	50.19	49.74	49.98	12.78	73.33	13.89	0.05	0.07
04-Mar-16	50.24	49.75	49.98	13.48	71.31	15.21	0.05	0.07
05-Mar-16	50.25	49.84	50.02	3.19	70.70	26.11	0.04	0.06
06-Mar-16	50.21	49.76	50.01	5.14	72.36	22.50	0.04	0.06
07-Mar-16	50.35	49.75	50.00	7.30	72.63	20.07	0.04	0.07
08-Mar-16	50.25	49.78	49.99	12.57	70.83	16.60	0.04	0.06
09-Mar-16	50.26	49.73	49.97	17.50	71.32	11.18	0.06	0.07
10-Mar-16	50.22	49.69	49.96	21.18	69.10	9.72	0.06	0.07
11-Mar-16	50.19	49.73	49.95	28.82	58.89	12.29	0.09	0.08
12-Mar-16	50.19	49.75	50.01	6.67	66.80	26.53	0.04	0.07
13-Mar-16	50.21	49.83	50.02	2.15	68.06	29.79	0.04	0.06
14-Mar-16	50.20	49.71	49.99	9.10	70.69	20.21	0.05	0.07
15-Mar-16	50.21	49.76	49.98	8.96	75.14	15.90	0.05	0.07
16-Mar-16	50.25	49.74	49.99	5.42	76.73	17.85	0.04	0.06
17-Mar-16	50.19	49.76	49.98	12.98	73.96	13.06	0.05	0.07
18-Mar-16	50.21	49.68	49.99	34.37	50.21	15.42	0.06	0.08
19-Mar-16	50.21	49.84	50.01	3.54	70.90	25.56	0.03	0.06
20-Mar-16	50.26	49.76	50.02	3.96	68.68	27.36	0.04	0.06
21-Mar-16	50.26	49.69	49.99	13.96	67.43	18.61	0.06	0.08
22-Mar-16	50.18	49.76	49.98	15.63	68.74	15.63	0.05	0.07
23-Mar-16	50.31	49.77	50.01	8.20	69.43	22.37	0.05	0.07
24-Mar-16	50.26	49.86	50.03	0.90	66.32	32.78	0.04	0.06
25-Mar-16	50.21	49.78	50.00	9.86	68.26	21.88	0.04	0.07
26-Mar-16	50.19	49.75	49.98	12.77	73.48	13.75	0.05	0.07
27-Mar-16	50.20	49.75	49.97	15.00	72.92	12.08	0.06	0.07
28-Mar-16	50.31	49.81	49.99	9.03	73.88	17.09	0.04	0.07
29-Mar-16	50.26	49.75	50.02	6.53	66.38	27.09	0.05	0.07
30-Mar-16	50.23	49.80	49.99	11.67	67.70	20.63	0.05	0.07
31-Mar-16	50.26	49.80	50.03	2.85	62.77	34.38	0.05	0.06
AVERAGE	50.23	49.76	49.99	10.80	69.49	19.71	0.05	0.07
MAX	50.35	18-03-16				11-03-16	0.09	0.08
MIN	07-03-16	49.68				21-03-16	0.03	0.06

FREQUENCY PROFILE FOR March 2016



VOLTAGE PROFILE FOR March-2016

DATE	RGM		HYD		NSAGAR		CDP		KOLAR		BNG		MNBD		GOOTY		KHMM		VIJWADA		GAZWKA		MADS		SALEM		UP'ET		TCR		TCY		MDI		NLY II		HOSUR		NELLORE		TVM		HIRIYUR		NARENDRA		NPS 765		KRNL 765		RCR 765	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN				
01-Mar-16	423	415	425	409	426	409	426	406	413	405	407	383	409	400	428	408	427	411	434	419	417	404	425	407	413	390	411	397	418	386	415	390	418	396	411	397	407	385	419	411	416	386	416	396	423	411	803	775	776	745	811	777
02-Mar-16	421	412	424	402	425	407	425	407	415	410	408	385	410	401	426	407	426	409	435	420	418	402	426	405	414	387	410	404	417	382	416	391	419	410	410	398	408	383	420	412	414	383	417	393	426	408	804	772	777	732	813	759
03-Mar-16	422	413	425	407	426	411	426	412	417	412	412	390	411	400	428	414	428	411	436	421	417	406	424	414	415	400	411	395	416	399	417	400	420	392	412	402	410	393	418	409	415	397	419	400	430	414	804	785	778	756	814	790
04-Mar-16	421	414	423	402	425	407	425	406	418	411	410	382	409	401	426	408	427	408	437	417	418	403	426	406	416	390	409	387	415	394	413	393	416	409	410	398	412	386	417	410	412	391	417	395	429	412	802	776	772	743	804	776
05-Mar-16	420	412	422	403	426	405	423	408	414	406	408	383	408	400	425	405	425	407	434	418	415	404	422	404	413	391	408	384	413	387	412	394	417	410	409	399	409	387	415	407	411	389	416	396	426	411	798	772	769	743	802	770
06-Mar-16	421	416	424	404	425	406	424	409	413	408	409	379	407	401	424	406	429	408	432	415	412	402	421	406	411	388	409	388	414	380	411	388	416	411	410	397	407	386	416	411	410	383	417	395	425	412	798	773	769	741	802	773
07-Mar-16	420	413	423	405	426	405	423	408	412	405	407	381	409	400	426	407	428	407	433	417	413	405	422	404	412	389	408	383	413	381	412	390	417	410	409	398	408	387	417	409	411	384	414	396	427	410	801	773	776	741	807	771
08-Mar-16	421	408	424	406	424	408	424	409	415	391	411	380	408	394	427	408	424	418	430	412	410	400	423	405	413	388	407	380	411	378	410	391	414	408	408	396	409	383	418	403	416	390	416	397	423	409	801	773	803	768	804	766
09-Mar-16	419	407	422	405	422	406	418	408	413	387	407	375	407	390	424	400	419	410	431	413	411	396	418	398	410	382	408	375	410	377	411	388	415	410	409	394	406	376	413	397	419	388	414	393	424	406	793	762	799	756	801	754
10-Mar-16	418	409	421	406	423	407	419	409	414	392	409	379	409	393	425	404	425	416	428	412	412	399	419	397	411	389	409	382	412	381	412	395	416	411	408	398	407	384	414	398	421	392	415	395	425	405	796	765	800	759	802	764
11-Mar-16	419	408	420	404	421	406	418	400	412	385	407	373	408	391	424	405	424	409	427	414	408	398	420	394	410	382	406	377	411	380	410	388	414	407	409	393	404	374	415	396	420	391	414	393	424	406	795	761	803	763	804	765
12-Mar-16	418	407	422	405	422	407	420	405	413	388	409	375	409	392	426	402	426	414	429	413	409	397	418	396	411	384	407	378	413	379	411	390	415	415	407	395	405	378	417	397	419	390	416	392	425	405	797	765	806	766	807	764
13-Mar-16	419	409	421	407	423	409	419	404	412	392	408	382	410	394	427	409	422	409	430	416	408	398	419	401	409	378	405	370	412	373	410	386	414	414	408	392	404	379	418	401	420	385	417	394	424	406	798	772	807	779	809	778
14-Mar-16	421	410	426	412	427	411	422	403	413	393	410	386	412	395	429	411	428	412	431	419	410	402	420	408	410	390	406	393	413	396	411	396	415	415	407	398	405	383	417	403	421	398	420	400	427	405	800	775	812	777	814	775
15-Mar-16	420	411	427	409	426	410	423	404	418	394	413	382	411	396	430	409	427	411	432	417	411	399	422	399	413	385	407	381	412	381	410	391	414	414	408	395	409	381	420	402	412	392	417	396	426	406	802	773	810	777	811	775
16-Mar-16	421	410	424	408	425	411	420	403	412	392	410	380	410	397	426	410	425	412	431	419	412	400	409	400	409	387	406	383	409	384	409	390	415	415	407	396	404	382	418	403	414	393	416	397	425	405	798	774	808	778	810	777
17-Mar-16	419	409	423	409	424	410	421	405	413	393	409	381	412	396	428	409	424	413	430	417	410	402	404	404	408	388	405	380	410	385	407	389	412	412	406	394	405	383	417	401	412	385	418	396	429	406	797	771	809	776	811	774
18-Mar-16	420	408	424	408	425	411	422	404	415	392	411	382	411	397	429	410	425	411	431	418	411	400	405	405	413	386	409	381	414	383	411	390	415	415	408	395	407	381	418	402	417	390	416	397	425	405	802	770	810	774	812	775
19-Mar-16	419	410	423	406	424	409	420	405	412	389	407	377	407	393	426	405	424	408	430	413	410	397	404	404	409	382	404	374	408	374	408	385	413	413	406	394	404	373	420	401	412	387	413	393	422	406	801	769	807	768	807	767
20-Mar-16	420	409	422	407	422	408	418	404	413	391	409	376	408	390	424	404	422	409	428	414	406	398	405	405	406	379	400	367	402	364	406	387	410	410	405	393	402	375	417	399	416	383	414	395	421	405	795	764	798	763	800	762
21-Mar-16	419	412	423	405	421	411	420	405	415	392	410	384	409	392	425	409	423	412	427	417	408	397	404	404	407	385	404	377	405	378	409	390	413	413	407	396	403	381	414	397	421	398	417	393	423	403	792	772	799	771	802	771
22-Mar-16	418	409	424	406	423	407	419	404	412	375	407	365	408	389	426	401	424	409	429	414	409	399	405	405	408	374	403	367	406	367	407	383	412	412	408	392	404	365	415	399	418	387	413	386	421	402	798	764	815	762	814	762
23-Mar-16	419	408	422	405	422	408	420	405	413	388	406	373	409	391	424	405	423	410	428	416	410	400	404	404	406	375	401	373	404	373	406	386	411	411	406	394	402	372	416	400	412	394	416	390	424	404	795	768	809	773	812	770
24-Mar-16	417	407	421	406	421	409	417	404	412	392	409	378	411	394	425	407	421	408	427	414	408	398	405																													

Voltage Deviation Index MAR 16

S. No.	Name of the 400kV substation	No of hours above 420kV	No of hours below 380kV	No of hours out of IEGC Range	VDI(iii/24)
1	ARASUR	0.0	3.0	2.98	0.00
2	BIDADI	0.0	12.6	12.56	0.02
3	BHADRAVATHI	0.0	0.0	0.00	0.00
4	CUDDPAH	1.2	0.0	1.18	0.00
5	GAZUWAKA	0.0	0.0	0.00	0.00
6	GHANAPUR	28.1	0.0	28.08	0.04
7	GOOTY	59.1	0.0	59.08	0.08
8	HASAN	17.9	0.0	17.88	0.03
9	HIRIYUR	0.2	0.0	0.22	0.00
10	HOSUR	0.0	16.4	16.38	0.02
11	KAIGA	1.0	0.0	0.98	0.00
12	KARAIKUDI	12.1	0.0	12.13	0.02
13	KUDANKULAM	0.0	0.0	0.00	0.00
14	KHAMMAM	5.2	0.0	5.25	0.01
15	KALIVINDAPATTU	0.0	0.0	0.00	0.00
16	KOCHI	0.0	14.3	14.33	0.02
17	LANCO	6.1	0.0	6.11	0.01
18	MADURAI	0.0	0.0	0.00	0.00
19	MEPL	0.0	0.0	0.00	0.00
20	MUNIRABAD	0.0	0.0	0.00	0.00
21	MYSORE	8.5	0.0	8.52	0.01
22	NELLORE	0.0	0.0	0.00	0.00
23	NELLORE PS	0.5	0.0	0.50	0.00
24	NYVELI ST2	0.0	0.0	0.00	0.00
25	NYVELI 1 EXP	0.0	0.0	0.00	0.00
26	NYVELI 2 EXP	0.0	0.0	0.00	0.00
27	NARENDRA	157.1	0.0	157.10	0.23
28	NAGARJUNASAGAR	38.9	0.0	38.88	0.06
29	NUNNA	556.2	0.0	556.24	0.80
30	PALAKKAD	0.0	20.4	20.43	0.03
31	PONDY	0.0	0.0	0.00	0.00
32	PUGULUR	0.5	0.0	0.48	0.00
33	RAMAGUNDAM	0.1	0.0	0.05	0.00
34	SALEM	0.0	0.1	0.08	0.00
35	SEPL	0.0	0.0	0.00	0.00
36	SIMHADRI ST2	0.0	0.0	0.00	0.00
37	SRIPERAMBUDUR	1.6	0.0	1.63	0.00
38	TALRC	0.0	0.0	0.00	0.00

39	TRICHUR	0.0	61.2	61.23	0.09
40	TRICHY	0.0	0.0	0.00	0.00
41	TIRUNELVELI	0.0	0.0	0.00	0.00
42	TRIVENDAM	0.0	2.6	2.55	0.00
43	UDUMALPET	0.0	39.9	39.87	0.06
44	VALLUR	0.0	0.0	0.00	0.00
45	WARANGAL	7.3	0.0	7.29	0.01
46	YELHANKA	0.0	0.0	0.00	0.00
47	MADAKADRA	0.0	83.5	83.50	0.12
48	ALAMATHY	429.9	0.0	429.89	0.62
49	METT	0.0	0.0	0.00	0.00
50	NCTPS ST2	0.0	0.0	0.00	0.00
51	SALEM TN	0.0	0.0	0.00	0.00
52	SRIPERAMBUDUR TN	728.0	0.0	727.96	1.05
53	SVCHATRAM	0.0	0.0	0.00	0.00
54	BOOPALPALLY	497.6	0.0	497.61	0.71
55	CHITTOOR	31.1	0.0	31.07	0.04
56	DICHIPALLY	13.5	0.0	13.47	0.02
57	GAJWEL	360.4	0.0	360.38	0.52
58	GMR	0.0	0.0	0.00	0.00
59	GOUTHAMI	170.0	0.0	170.03	0.24
60	GVK	141.3	0.0	141.33	0.20
61	KONASEEMA	0.0	0.0	0.00	0.00
62	KONASEEMA	0.0	0.0	0.00	0.00
63	KTPS	13.7	0.0	13.73	0.02
64	MAHABOBNAGAR	355.9	0.0	355.86	0.51
65	MALKARAM	604.8	0.0	604.75	0.87
66	MAMIDIPALLI	34.2	0.0	34.25	0.05
67	NARNOOR	330.6	0.0	330.59	0.47
68	NELLORE AP	17.7	0.0	17.70	0.03
69	SHANKARA PALLI	451.3	0.0	451.33	0.65
70	SIMHADRI ST1	0.0	0.0	0.00	0.00
71	SRISAILAM	715.0	0.0	715.02	1.03
72	VEMAGIRI	0.1	0.0	0.10	0.00
73	VTPS	4.1	0.0	4.05	0.01
74	VTSO2	0.0	0.0	0.00	0.00
75	KRISHNAPATNAM	2.7	0.0	2.70	0.00
76	BTPS	0.0	0.0	0.00	0.00
77	GUTTUR	0.0	0.0	0.00	0.00
78	HOODY	0.0	0.0	0.00	0.00
79	JINDAL	0.0	0.0	0.00	0.00
80	NEELAMANGALA	0.0	13.1	13.15	0.02
81	RTPS	0.6	0.0	0.63	0.00
82	TALAGUPPA	14.7	0.0	14.67	0.02
83	UPCL	0.0	0.0	0.00	0.00
84	TALAC	0.0	0.0	0.00	0.00
85	SOMANAHALLI	0.0	35.6	35.60	0.05
86	COASTAL ENERGN	0.0	0.0	0.00	0.00
87	TPCIL	0.0	0.0	0.00	0.00

88	NTPL	0.1	0.0	0.08	0.00
89	TIRUVALLAM	26.9	0.0	26.94	0.04
90	KARNOOL	279.1	0.0	279.08	0.40
91	RAICHUR PG	124.8	0.0	124.83	0.18
92	SATTENAPALLI	475.3	0.0	475.34	0.68
93	KOLAR	0.0	0.0	0.00	0.00
94	TIRUVALLAM TN	22.3	0.0	22.30	0.03
95	KAYATHAR	45.6	0.0	45.65	0.07
96	TUTICORAN PS	0.3	0.0	0.28	0.00
97	ILFS	0.0	0.0	0.00	0.00
	Name of the 765kV substation	No of hours above 800kV	No of hours below 728kV	No of hours out of IEGC Range	VDI(iii/24)
1	NELLORE 765	0.0	0.0	0.00	0.00
2	KURNOOL 765	0.0	0.0	0.00	0.00
3	RAICHUR 765	0.0	0.0	0.00	0.00
4	TIRUVALLAM 765	0.0	0.0	0.00	0.00

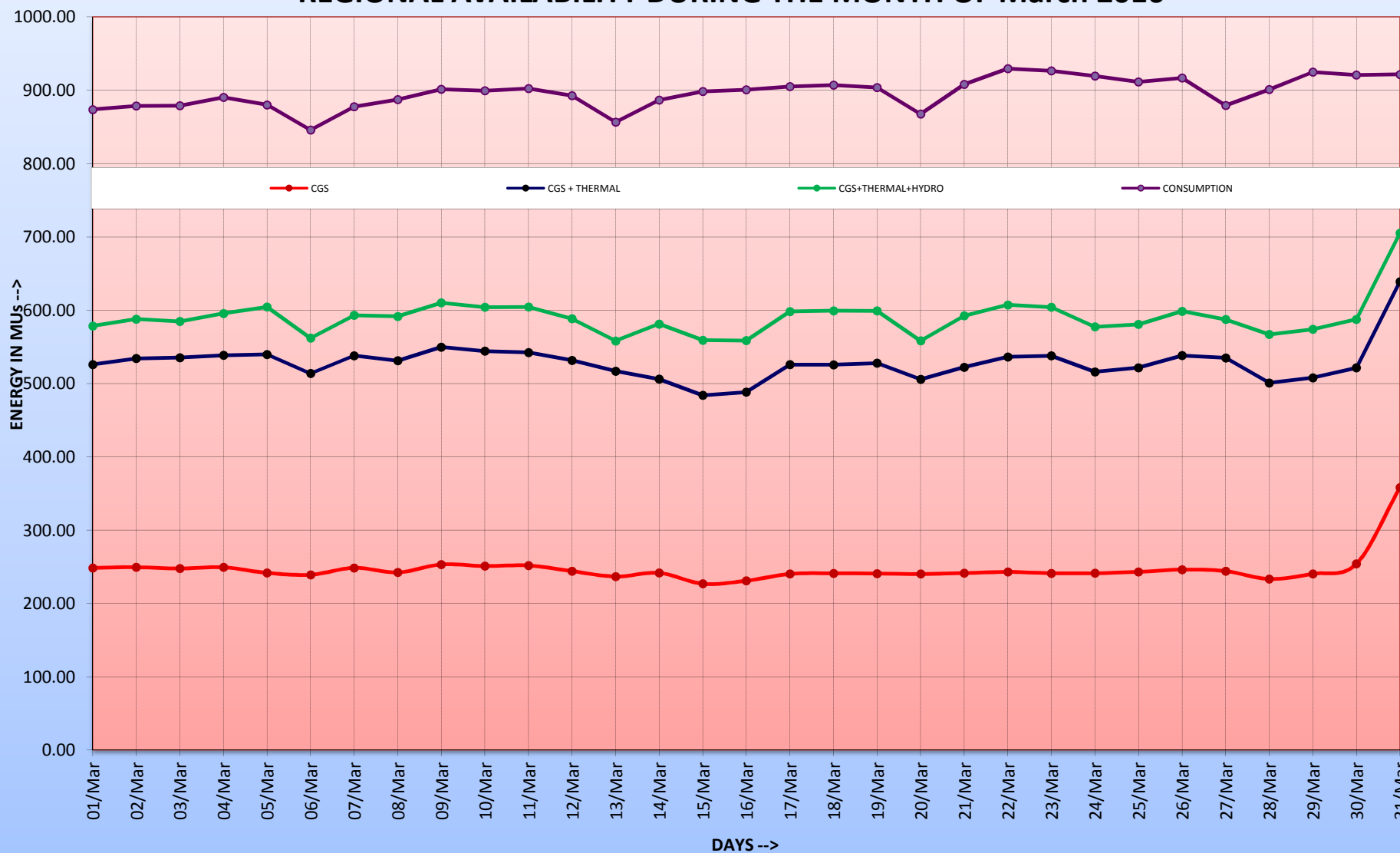
MAX DEMAND FOR THE MONTH OF March 2016

DATE	ANDHRA	TELANGANA	KARNATAKA	KERALA	TAMILNADU	PONDY	S.R
	DEMAND	DEMAND	DEMAND	DEMAND	DEMAND	DEMAND	DEMAND
01-Mar-16	6810	6039	9133	3573	14094	326	37108
02-Mar-16	6876	6066	9113	3605	14169	299	37640
03-Mar-16	6983	6221	9026	3713	14298	317	37725
04-Mar-16	6928	6301	9212	3637	14329	322	37724
05-Mar-16	6931	6126	9149	3596	13812	313	38438
06-Mar-16	6876	5988	8565	3435	12966	317	36879
07-Mar-16	7020	6093	9310	3622	14143	320	37840
08-Mar-16	6950	6096	9301	3691	14102	318	37538
09-Mar-16	7120	6261	9435	3763	14351	332	38321
10-Mar-16	7068	6287	9146	3786	14003	321	38211
11-Mar-16	6976	6341	9343	3517	14173	332	38881
12-Mar-16	7100	6206	9068	3463	13705	327	37769
13-Mar-16	6841	6285	8584	3521	13076	293	37522
14-Mar-16	7016	6252	9163	3741	14236	332	38746
15-Mar-16	6919	6415	8694	3615	14449	332	38912
16-Mar-16	7075	6304	9037	3715	14295	339	39577
17-Mar-16	7050	6419	8985	3737	14117	335	40124
18-Mar-16	7234	6590	8588	3762	14374	333	39635
19-Mar-16	7075	6493	9009	3734	14183	333	39848
20-Mar-16	7087	6447	8677	3633	13236	298	38967
21-Mar-16	7269	6585	9284	3819	14280	338	40899
22-Mar-16	7391	6590	9223	3764	14246	333	40871
23-Mar-16	7236	6527	9246	3770	14428	333	40153
24-Mar-16	7225	6501	9239	3610	14245	299	40067
25-Mar-16	7050	6651	9394	3574	14184	328	40017
26-Mar-16	7077	6559	9343	3712	14059	321	39664
27-Mar-16	6895	6247	8877	3712	13027	298	38388
28-Mar-16	7031	6396	9374	3860	14022	341	39926
29-Mar-16	7114	6459	9508	3766	14383	246	40431
30-Mar-16	7153	6438	9411	3850	14275	343	40781
31-Mar-16	7074	6577	9363	3829	14323	344	39838
AVG	7047	6347	9123	3681	14051	321	38982
MAX	7391	6651	9508	3860	14449	344	40899
MIN	6810	5988	8565	3435	12966	246	36879

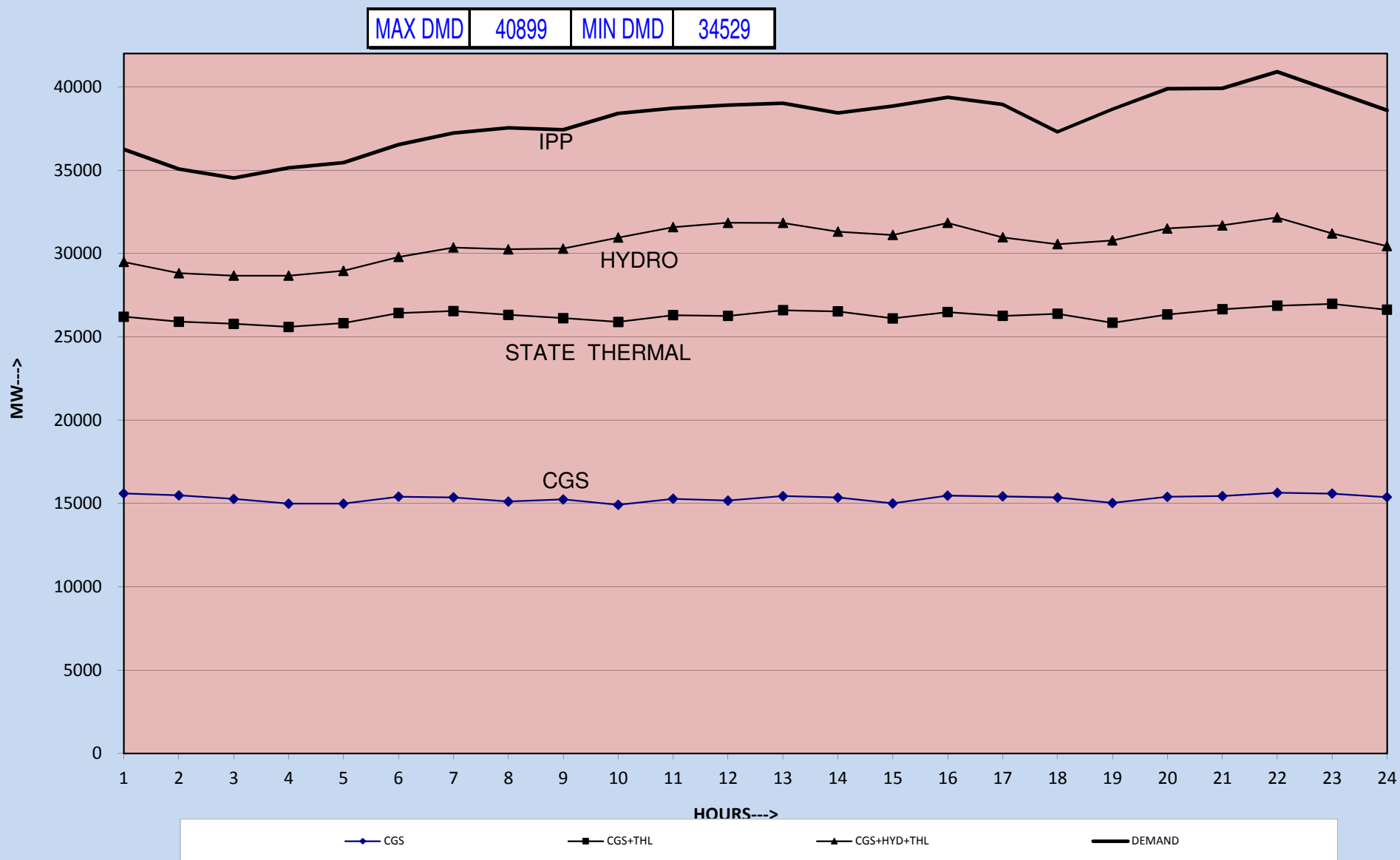
CONSUMPTION FOR THE MONTH OF March 2016

DATE	ANDHRA	TELANGANA	KARNATAKA	KERALA	TAMILNADU	PONDY	S.R
	CONSMPT	CONSMPT	CONSMPT	CONSMPT	CONSMPT	CONSMPT	CONSMPT
01-Mar-16	149.86	134.52	209.84	69.32	303.57	6.72	873.83
02-Mar-16	151.92	138.91	206.94	70.42	303.92	6.65	878.76
03-Mar-16	152.81	141.27	201.21	71.26	305.65	6.84	879.04
04-Mar-16	152.24	143.29	206.64	71.01	310.42	6.88	890.48
05-Mar-16	153.55	139.46	202.64	70.42	307.16	6.92	880.15
06-Mar-16	153.64	135.68	195.31	66.02	286.74	8.59	845.98
07-Mar-16	151.49	139.69	205.00	70.93	303.77	6.78	877.66
08-Mar-16	150.92	138.87	209.44	72.61	308.80	6.64	887.28
09-Mar-16	152.58	143.00	210.36	74.07	314.45	6.85	901.31
10-Mar-16	153.71	143.17	210.08	74.74	310.62	6.99	899.31
11-Mar-16	155.09	145.61	208.43	73.34	312.82	7.04	902.33
12-Mar-16	152.89	142.64	207.82	71.05	311.25	7.18	892.83
13-Mar-16	153.73	140.63	192.58	66.40	296.77	6.51	856.62
14-Mar-16	151.50	143.93	205.51	73.96	305.10	6.83	886.83
15-Mar-16	154.58	145.45	199.31	73.47	318.40	7.11	898.32
16-Mar-16	155.63	142.99	200.94	72.99	321.05	7.13	900.73
17-Mar-16	159.11	146.17	198.73	73.58	320.32	7.09	905.00
18-Mar-16	157.46	150.03	194.27	74.53	323.55	7.17	907.01
19-Mar-16	158.76	149.02	197.73	75.04	316.14	7.13	903.82
20-Mar-16	155.31	143.79	195.06	70.30	296.70	6.57	867.73
21-Mar-16	158.83	148.00	205.96	75.97	312.38	7.00	908.14
22-Mar-16	160.95	149.23	209.84	76.56	325.81	7.18	929.57
23-Mar-16	162.10	146.23	210.35	75.49	325.02	7.22	926.41
24-Mar-16	160.56	146.72	209.54	75.06	321.59	6.13	919.60
25-Mar-16	157.93	148.83	209.90	70.05	317.58	7.14	911.43
26-Mar-16	156.62	149.78	210.68	73.23	319.34	7.20	916.85
27-Mar-16	150.65	143.25	199.92	73.23	304.85	7.47	879.37
28-Mar-16	151.78	145.06	209.64	75.14	312.43	7.04	901.09
29-Mar-16	154.55	148.67	214.59	74.60	325.10	7.40	924.91
30-Mar-16	155.14	148.11	210.86	75.74	323.61	7.37	920.83
31-Mar-16	156.28	146.83	213.05	76.68	321.43	7.41	921.68
AVG	155	144	205	73	312	7	897
MAX	162	150	215	77	326	9	930
MIN	150	135	193	66	287	6	846
TOTAL	4802.17	4468.83	6362.17	2257.21	9686.34	218.18	27794.90

REGIONAL AVAILABILITY DURING THE MONTH OF March 2016

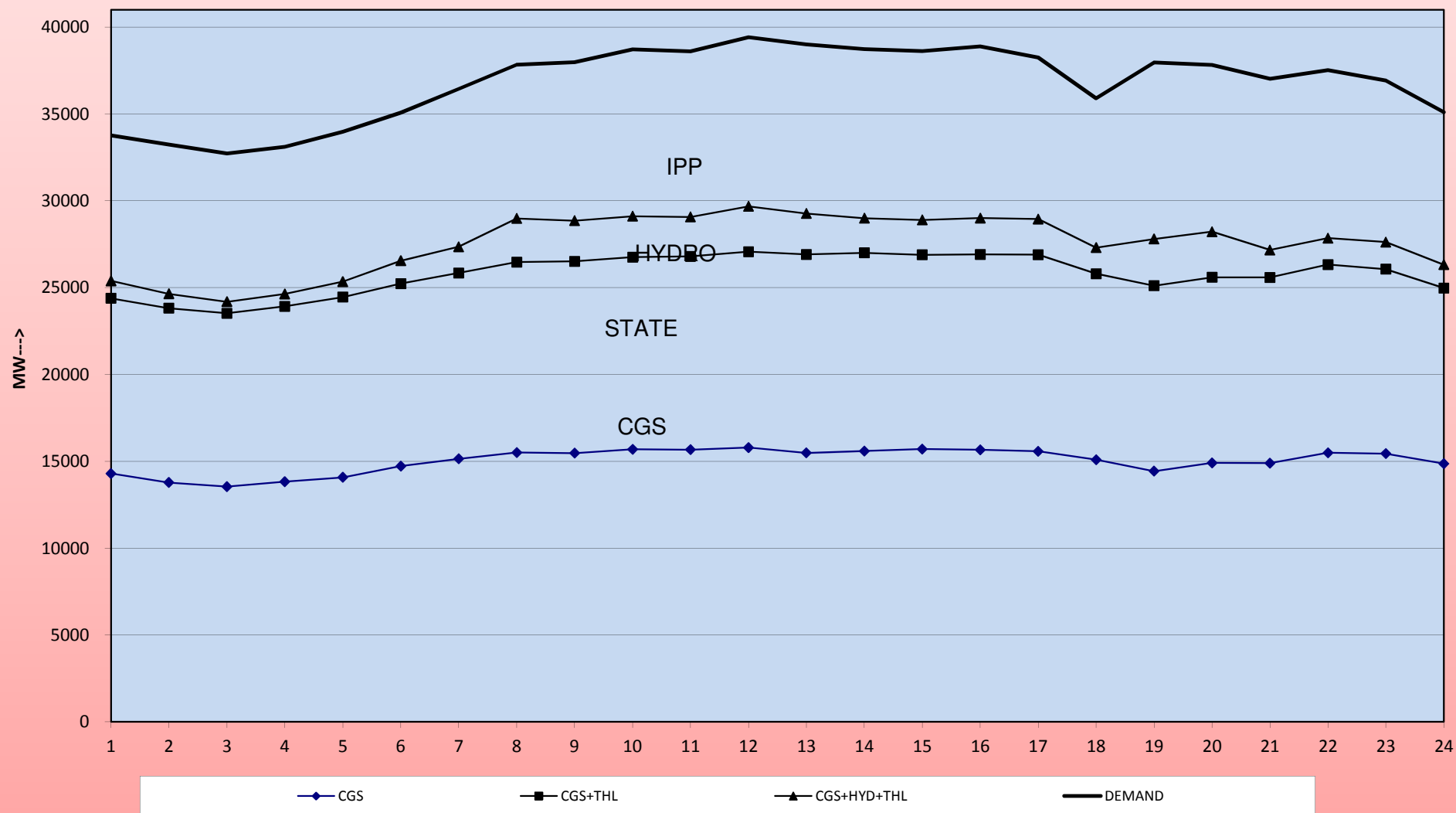


REGIONAL GENERATION AND DEMAND FOR PEAK DEMAND DAY 21-03-2016 (STACKED)



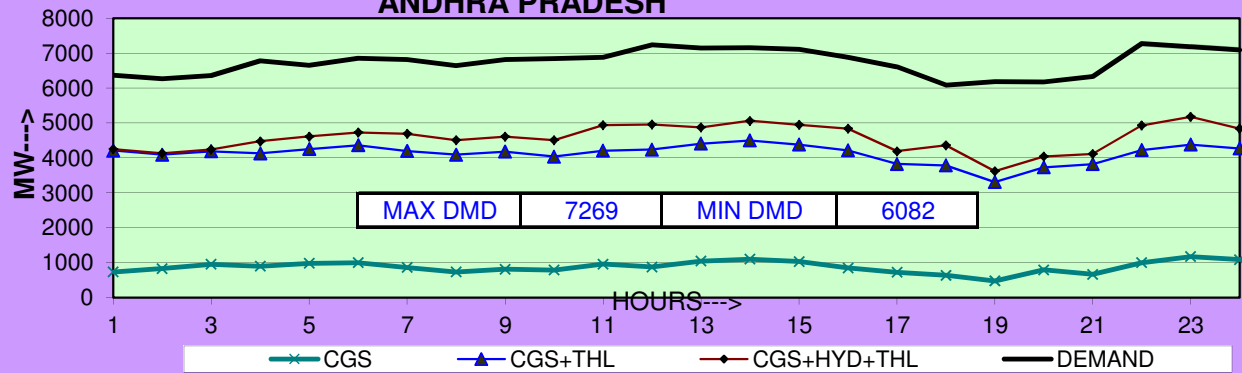
REGIONAL GENERATION AND DEMAND FOR MINIMUM DEMAND DAY 07-03-2016 (STACKED)

MAX DMD	39413	MIN DMD	32726
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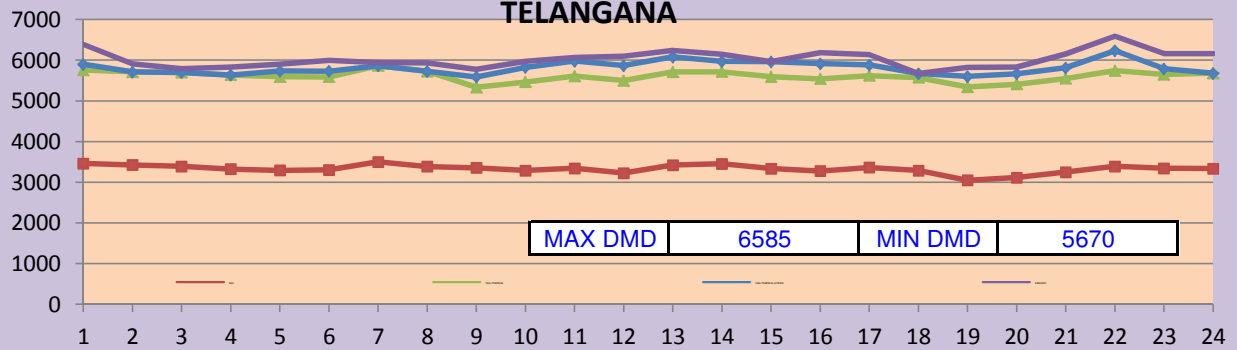


STATEWISE GENERATION AND DEMAND FOR PEAK DEMAND DAY 21-03-2016 (STACKED)

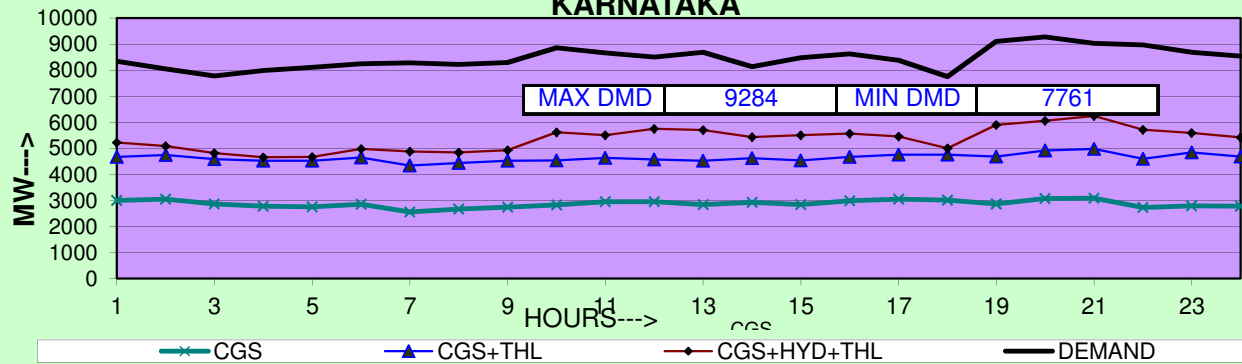
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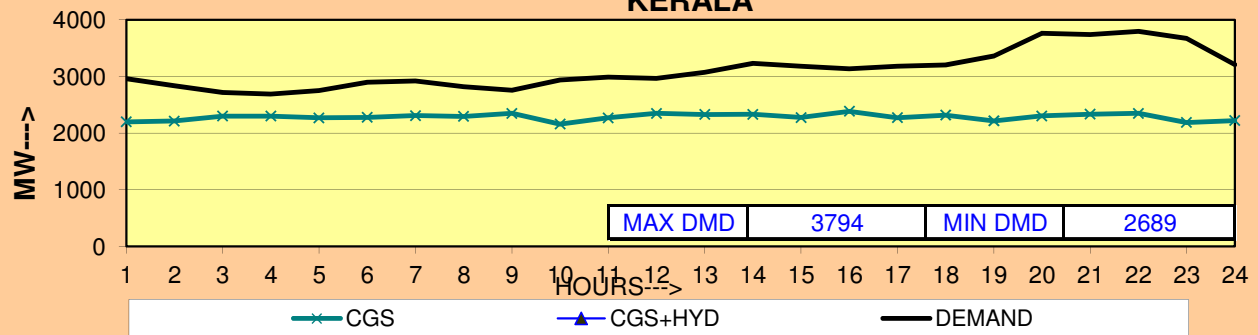
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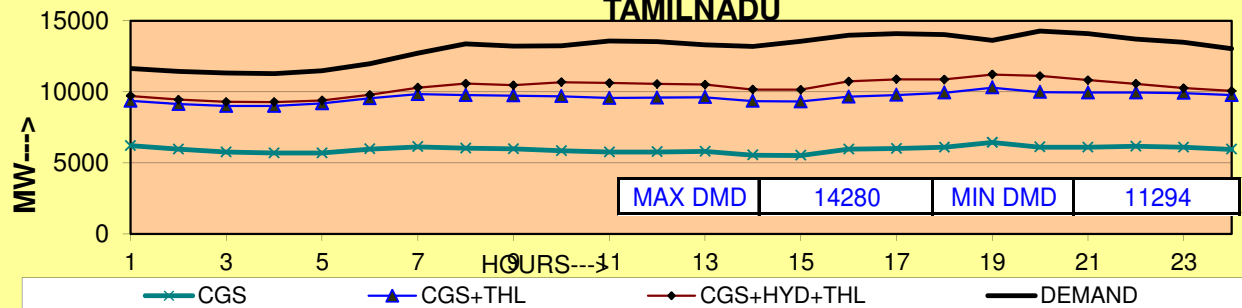
KARNATAKA



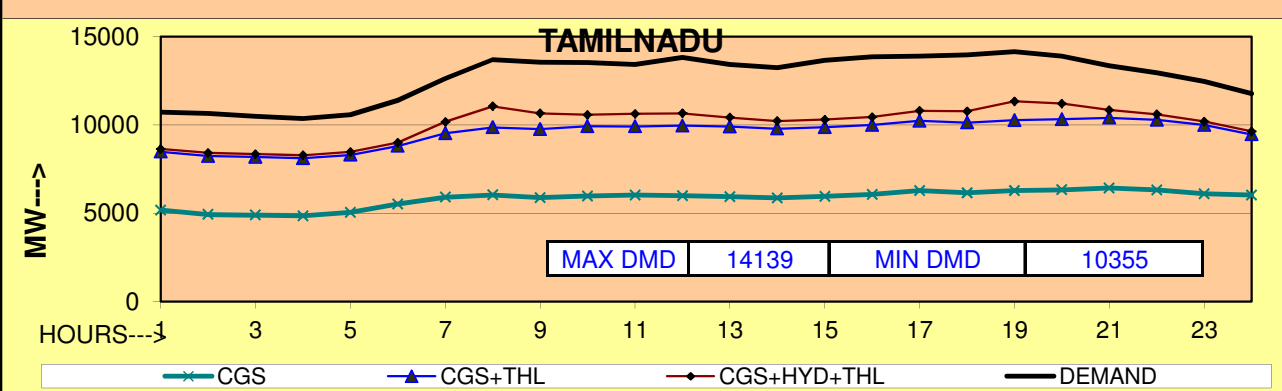
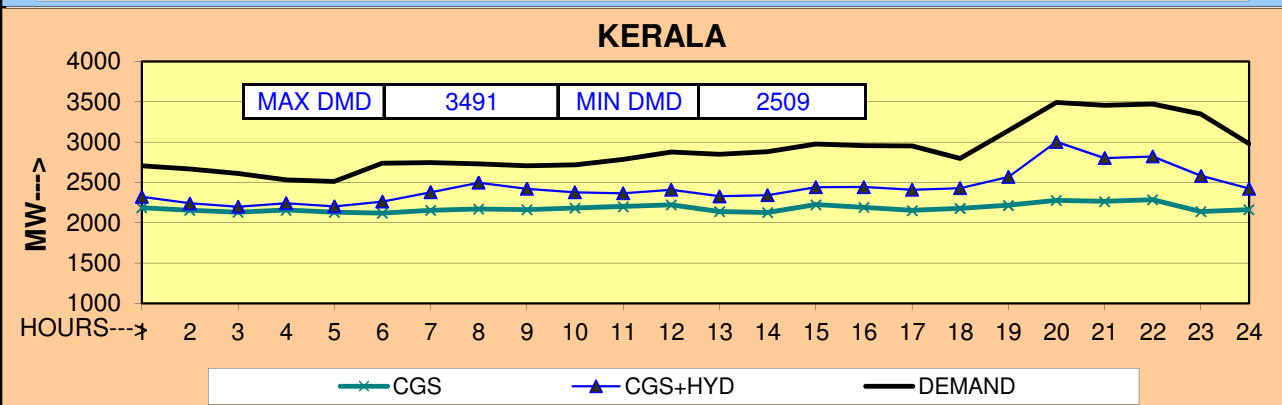
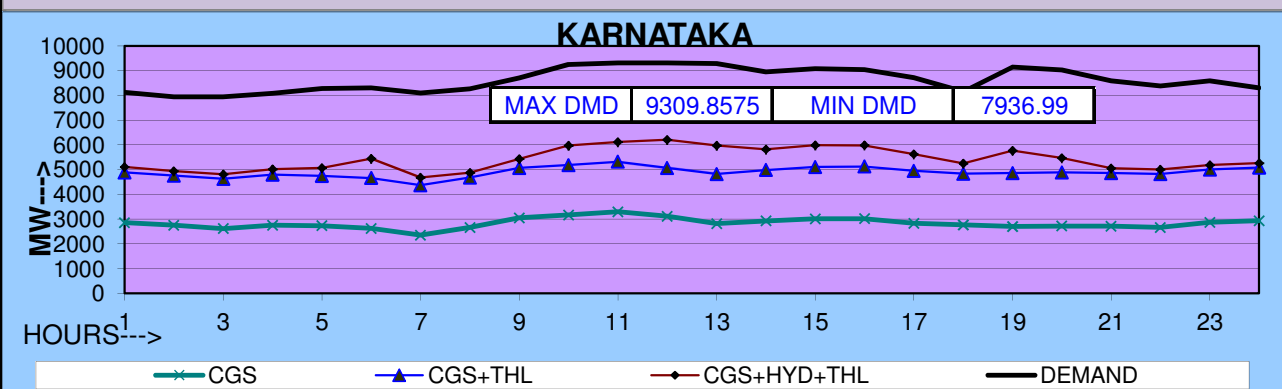
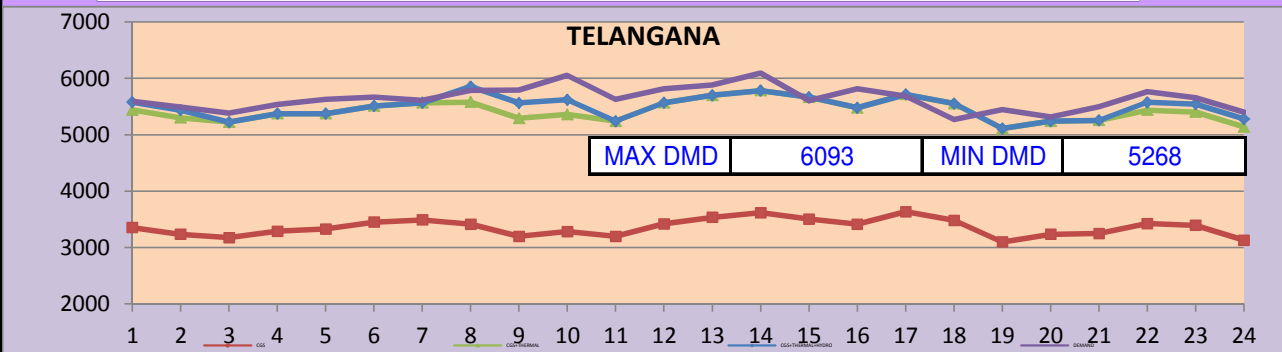
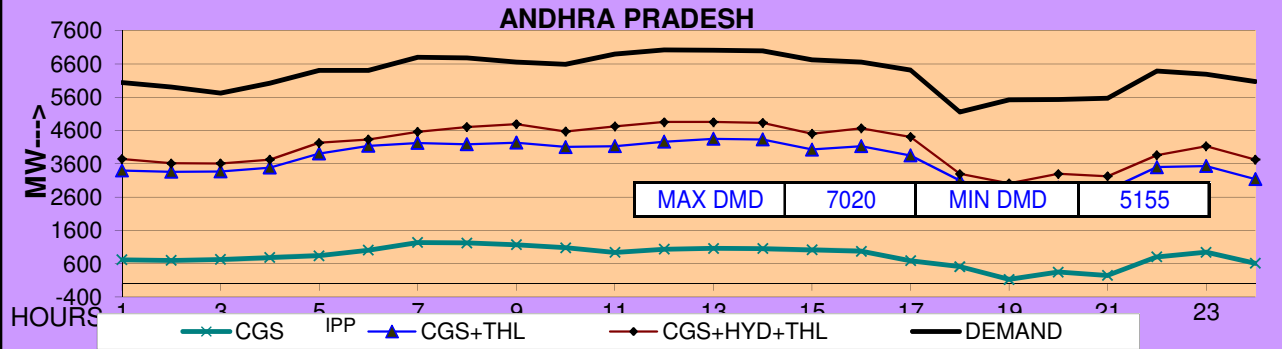
KERALA



TAMILNADU



STATEWISE GENERATION AND DEMAND FOR MINIMUM DEMAND DAY 07-03-2016 (STACKED)



INTER STATE & INTER REGIONAL LINE FLOWS FOR Mar-16

SI No	NAME OF THE LINE	END	Import (MU)	Maximum Power Flow (MW)	Export (MU)	Maximum Power Flow (MW)
1	765KV RCR-SLPR I&II	SHOLAPUR	0.00	0	1329.25	2984
2	765KV RCR-KRNL I&II	KURNOOL	-444.23	1060	0.00	0
3	765KV KRNL-TVLM I&II	KURNOOL	0.00	0	546.90	1210
4	765KV KRNL-NLR I&II	KURNOOL	-6.64	195	49.45	407
5	765KV NLR-TVLM I&II	NELLORE	0.00	0	473.61	976
6	765KV KDG-KLPR I&II	KOLHAPUR	-39.85	338	18.17	309
7	HVDC TAL-KLR	TALCHER	0.00	0	1480.78	2480
8	HVDC GAJUWAKA	GAJUWAKA	0.00	0	410.03	785
9	RGDM-CHNDPR	BHADRAVATHY	0.00	0	733.60	1101
10	220KV UPSL-BLML	UPPER SELERU	0.00	0	0.00	0
11	400KV KLR-SMNL	KOLAR	0.00	0	183.64	477
12	400KV KLR-HDY I&II	KOLAR	0.00	0	741.99	1370
13	400KV SMNL-HSR	SOMANAHALLI	-5.80	255	44.19	271
14	400KV KLR-TVLM	KOLAR	-238.07	589	0.00	-119
15	400KV KLR-HSR I&II	KOLAR	0.00	0	670.82	1415
16	400KV UDPT-PKD I&II	PALAKKAD	-700.09	1092	0.00	-730
17	400KV TRNL-TVM I&II	TIRNELVELI	0.00	0	316.94	499
18	400KV RCR-MBNR	RAICHUR	0.00	0	156.93	422
19	400KV KLR-CDP	KOLAR	-273.60	620	0.00	0
20	400KV GTY-SMNL	GOOTY	0.00	0	397.32	713
21	400KV GTY-RCR I&II	GOOTY	-525.03	1423	0.00	-271
22	400KV GTY-NLM	GOOTY	0.00	1	429.78	888
23	400KV NLR-SPDR I&II	NELLORE	0.00	0	499.20	817
24	400KV CTR-TVLM I&II	THIRUVELAM	-365.86	824	0.00	-195
25	400KV GTY-MDGR I&II	GOOTY	0.00	0	0.00	0
26	400KV MYS-KZH I&II	MYSORE	0.00	0	212.00	461
27	220KV TND-SDM	TANDUR	-46.35	141	0.02	19
28	220KV RGPD-ALPR	RAGULAPADU	-25.65	82	0.62	79
29	220KV SLPT-GMPD	SULURPET	-0.35	29	25.99	113
30	220KV CTR-TVLM	CHITTOOR	-18.77	143	10.95	151
31	220KV KDKL-KMPT	KANYAMPETTA	-22.80	151	0.00	5
32	220KV HSR-YHL	HOSUR	0.00	0	27.80	68
33	220KV UDPT-IDUK	IDUKKI	-48.29	140	0.01	9
34	220KV TNI-MZR	MOOZHIYAR	-20.52	71	0.33	91
35	220KV TRNL-EDMN	EDAMAN	-298.62	536	0.00	-286
36	110KV MNJR-KNJ	MANJESWAR	-10.79	20	0.00	0
37	110KV KZR-PAR	PARSSALA	-9.47	23	0.04	8
38	400KV AP-TS IS	AP	-126.57	470	3.22	262
39	220KV AP-TS IS	AP	-294.26	670	0.00	-136
40	132KV AP-TS IS	AP	-29.53	136	1.22	34

Review of Progress of Works on Ongoing / New Generation Schemes in Southern Region			
Sl. No	Station	Capacity (MW)	Progress / Status
Name of the State : Andhra & Telangana			
A	Hydro (State) :		
1	Tail Pond PH at Nagarjunasagar	2 x 25 = 50	Commissioned
2	Lower Jurala	6 x 40 = 240	Unit I :Synch on 29.12.13, June 2013, Unit2: on10.01.14 Jan'14 Balance 4 Units at 3in 2014-15
3	Pulichintalla	4 x 30 = 120	Unit I : Mar 2015, Unit 2 :Jun 2015, Unit 3 : Sep 2015 , Unit 4:Dec 2015
4	Dummugudem	320	2013-15.
3	Polavaram	12x80 = 960	2016 -17
5	Kamthanapally	450	150 MW → 2014-15, 300 MW → 2014-15
B (a)	Thermal (State) :		
1	Kakatiya TPP Stage-II	1 x 600 = 600	Cod declared
	Kakatiya TPP Stage-III	1 x 600 = 600	2017-18 onwards
2	Rayalaseema TPS Stage- IV	1 x 600 = 600	Unit-VI (600MW) →by 2015-16
4	Sattupalli TPS	1 x 600 = 600	to be tied up
5	Singareddipalli	5 x 40 = 200	
6	Kothagudem TPS (Stg - VII)	1 x 800 = 800	2016-17
7	Dr. NTTPS, Vijayawada (Stg - V)	1 x 800 = 800	2016-17
8	Vadarevu Ultra Mega Power Project Stage I (U-1,2) & Stage II (U-3,4,5)	5 x 800 = 4000	U-1&2 by 2016-17, U-3,4&5 by 2017-20
B (b)	Thermal (Joint Venture) :		
1	Sri Damodaram Sanjeevaiah TPP (Krishnapatnam JV)	2 x 800 = 1600	Unit-1&2 : COD Declared
2	Srikakulam TPS (JV)	4 x 600 = 2400	2014 - 16 (To be tied up)
B (c)	Thermal (Private) :		
1	Bhavanapadu TPP (East Coast Energy Ltd), Kakarapalli, Srikakulam (Dist)	(2x660) + (2x660)	Phase I → 2015-16 Phase II → 2015-16
2	Paloncha (Nava Bharat), Khammam	150	
3	Thermal Powertech - Nellaturu	3x660 =1980	Unit 1&2 →Declared COD,Unit 3:Mar-2017
4	Krishnapattanam UMPP	6x660 = 3960	Project may be delayed Developer stopped the work
5	Gunupudi (Surya Chakra TEPL)	660 + 660	
	SEPL phase-II UNIT#4	150	U#4 COD DECLARED'
6	HNPCL (Hinduja), Pavalavasa, Vizag	2x520 = 1040	Unit 1 →COD Decalred, Unit 2 → synchronized on 12.03.14
7	Thamminapatnam TPP(Ph-II-U 1&2)	2x150 = 300	Unit 1 → Sep 2016, Unit 2 → Dec 2016
	Thamminapatnam TPP(Ph-III-U 2) (MEPL-Coastal thermalproj)	2x660=1320	End of 12th plan
	NCCL Phase-I unit 1&2	2x660=1320	Unit 1 →2015-16, Unit 2 → 2015-16
C	Nuclear (State JV) :		
	Kadappa Nuclear Power Plant	2x1000=2000	2014-16 (To be tied up)
D (a)	Gas Based (State) :		
1	Integrated gassification combined cycle (IGCC) plant at Dr. NTTPS (JV)	1 x 182 = 182	U#8 by 2017-18
2	Shankarpally Gas Power Plant	1x1000=1000	2016-17
3	Combined cycle gas based project near Karimnagar	1x700=700 2x700=1400	Unit 1 →2016-17, Unit 2 → 2017-18 Unit 3 → 2018-19
D (b)	Gas Based (Private) :		
1	Patancheru (Astha PCPL), Medak (Dt)	28.00	31.03.2012
2	Peddapuram (SPP Ltd), EG (Dist)	2262.00	
3	Chigurukota (Sriba Industries), Krishna (Dt)	13.60	
4	Gautami CCPP Stage-II, Peddapuram	2 x 400 = 800	
5	GVK Phase-III, Jegurupadu	2 x 400 = 800	
6	Mathya Giri (Vasavi), Nalgonda (Dist)	210.00	
7	Guggilla, Karimnagar (Dist) - Elgen	350 + 350	
8	Konaseema Phase-II, Ravulapalem	820.00	
9	Lanco Phase - III, Kondapalli	2 x 371 = 742	Held up for want of gas
10	Chandaparu, WG (Dist) - RVR	20.00	October 2012
11	Vetlapalem, EG Dist (Greenco)	60 + 60 = 120	
12	Vemagiri, EG Dist (GMR)	2 x 384 = 768	Held up for want of gas
13	Gurrampalem, Vizag Dist (LVS)	2x16.735 + 2x9.73 = 52.93	Depends on permission of APEPDCL

Sl. No	Station	Capacity (MW)	Progress / Status
14	RVK, Jegurupadu, EG Dist	76+120 + (2x120) + 50	
13	Thamminapatnam (K.Patnam PCL), Nellore	1320 + 660	March - 2015
E	Renewable Energy Sources (RES) :		
1	Municipal Waste based	37.33	
2	Bio - mass based co-generation	37.00	
3	Industrial waste based power plants	31.82	
4	Mini Hydel Projects (H)	36.06	
5	Bagasse based Co-generation	150.00	
6	Bio - mass based power plant	34.00	
F	Wind (Private) :		
	Wind Energy (W)	1228.90	114.97 MW commissioned 250.00 MW to be commissioned
G	Mini Power Plants :		
	Mini Power Plants	516.51	74.31 MW commissioned 521.00 MW to be commissioned
H (a)	Solar (State) :		
1	P. Jurala HEP	1.00	
H (b)	Solar Power Project (Private) :	752.68	
Name of the State : Karnataka			
A	Hydro (State) :		
1	Gundia Phase - I	400	Environmental Clearance awaited
2	Gundia Hydro Electric Proj. (Phase - II) Hassan, Dakshina Kannada District	200	After getting Environmental Clearance from MoEF for Phase-I, Survry, Investigation works & EIA Studies will be made for Phase-II
3	Shivasamudram Seasonal Scheme	345	DPR has been submitted to CEA vide letter dt 30.3.2012
4	Gangavali Stage - II Scheme (Bedthi)	400	Pre Feasibility Report (PFR) submitted to CEA
5	Kali - Stage III (KHEP) Hydro Electric Project	300	DPR could not be taken up, as this project is within wild life sanctuary
6	Aghanashini (Tadri) Hydro Electric Project	600	KPCL submitted DPR to CEA vide their letter dated 29.10.2007
7	Mahadayi Hydro Electric Project	320	Field surveys taken up for the revised proposal of this project, outside the proposed Bhimghad Wild Life Sanctuary. DPR under preparation
8	Additional Unit at Munirabad PH	10	LoA has been issued on 04-02-2012 to M/s. Allonward-SSIPL-KR & Co
9	Additional unit at Ghataprabha	20	NIT issued on 17.03.2010. Evaluation of Price Bid under process
10	RM&U of Nagjhari PH Unit - 4,5 & 6	3 x 15 = 45	Unit 4 & 5 completed. Unit 6 will be taken for RM&U during 2012-13. Programmed to be commissioned during XII Plan
B (a)	Thermal (State) :		
2	Bellary TPS, Stage I, Unit - 3 (Super Critical)	700	U#3 SYNCHRONIZED
3	RTPS Stg - II : a) Yermarus TPS	2 x 800 = 1600	Site allotted from KIDAB . Work under progress., Unit 1
	b) Edlapur TPS	800	MoEF clearance awaited. Proposed to be set up in the available land at RTPS mill reject area
4	Mangalore TPS	1600	12th Plan
5	Chattisgarh Pit Head Thermal Power Plant	1600	Work is in progress. Commissioning by 2015-16
B (b)	Thermal (Private) :		
1	Annechakanahalli Phase I	1000	12th Plan
2	Kalgurki Phase I	1000	12th Plan
3	Yadagiri Phase I	1000	12th Plan
C	Gas Based (State) :		
1	Bidadi Combined Cycle Power Plant	700 ± 20 %	Land required for the project has been acquired. M/s GAIL has commenced the work of establishing gas terminal.
2	Tadadi Combined Cycle Power Plant	2100	Pre Feasibility Report (PFR) prepared & action has been taken for obtaining statutory clearances. KIADB allotted 400 acres of land.
D	Solar (State) :		
1	Solar Photo Voltaic Power Plants at Belakavadi, Near Shivasamudram	5	Plant commissioned on 25.06.2012 and connected to the Grid

Sl. No	Station	Capacity (MW)	Progress / Status
E	Wind (Joint Venture) :		
1	500 MW Wind Energy Projects by KPTCL in JV with NTPC	500	GoK approved for the development of 500 MW Wind Energy Projects. Sites identified for Kappatagudda (39.5 MW), Guledagudda (100 MW). Requested for allotment of Forest Land. Expected in XII plan. 116.5 MW Commissioned
Name of the State : Tamil Nadu			
	Hydro (State) :		
1	RMU of Periyar Power House Unit - III	7.0 (35 to 42)	Works under progress
	Periyar Vaigai SHEP - III	2 x 2 = 4.0	
	Periyar Vaigai SHEP - IV	2 x 1.25 = 2.5	By July 2015
2	Bhavani Barrage I (Nellithoral Lower Bhavani)	2 x 5 = 10	Expected by 2014-15
	Bhavani Barrage II (Nellithoral Lower Bhavani)	2 x 5 = 10	units are running under project wing
4	Kundah Pumped Storage HEP Phase I (1x125 MW)	125	Expected by 2016
	Kundah Pumped Storage HEP Phase II (3x125 MW)	375	Expected by 2016
5	Mettur Pumped Storage HEP	500	Preliminary Stage
6	Vellimalai Pumped Storage HEP	200	Preliminary Stage
7	Small HEP proposed to be developed by Private Promoters	118	Preliminary Stage
8	Moyar Ultimate Stage HEP	25	Preliminary Stage
9	Kollimalai HEP	520	Preliminary Stage
	Sholayar phase I (Unit 1)	7(35 to 42)	UP Rating from 35 to 42 MW
	Sholayar phase I (Unit 2)	7(35 to 42)	UP Rating from 35 to 42 MW
B (a)	Thermal (State) :		
1	North Chennai TPS Stage -II	600	Both units COD declared
2	North Chennai TPS Stage -III	1x800=800	Expected by 2017
3	North Chennai TPS Stage -IV	2x800=1600	Expected by 2017
4	Mettur TPS Stage - III	1x600=600	COD yet to be declared
5	Tuticorin Thermal Power Project	1x800 = 800	2015-16
6	Ennore TPS Annexe	1x660=660	By 2016
7	Replacement of existing 40 year oldETPS	1x660=660	2017-18
8	Ennore (SEZ) TPS at Kattupalli	2x 600=1200	2015 - 16
B (b)	Thermal (Private) :		
1	Cheyur UMPP (Coastal Tamil Nadu Power Ltd) Subsidiary of Govt of India, PFC	5x800 = 4000	2017-18
2	Cuddalore IPP	2 x 660 MW	PPA signed
3	Coastal Energen Pvt Limited	2 x 600 MW	Unit#1 & 2 COD declared
B (c)	Thermal (Joint Venture) :		
1	TNEB-BHEL JV at Udangudi	2x800 =1600	BY 2017
2	Udangudi Expansion - Stg II	1x800 = 800	BY 2017
3	Vallur TPP (JV with NTPC) Stg I : Phase II → 1 x 500 MW	1x500	Unit III - 28-02-2014 SYNCHRONISED.
4	NLC-TNEB at Tuticorin	2x500=1000	Unit I & 2 COD Declared
C	Gas Based (State) :		
1	Basin Bridge Closed loop conversion (120 MW to 220 MW)	100	Subject to availability of gas

Sl. No	Station	Capacity (MW)	Progress / Status
D	Non Conventional Energy Sources (NCES) :		
1	Establishment of Co-generation plants in 10 Nos. Co-operative and 2 Nos Public Sector Sugar Mills in Tamil Nadu along with Sugar Mill Modernization.	6 x 15.5 = 93 5 x 15.0 = 75 1 x 15.0 = 15 = 183	2014-15
2	Wind	300	129.59MW commissioned, Balance underprogress
3	Bio-Mass	10	2014-15
4	Solar	1000	2014-15
E	Tariff Based Competitive Bidding Route :		
1	Uppur TPP, Tiruvadanai at Ramanathapuram District	2x800 = 1600	2016-17
2	Utharakosamangai TPP at Ramanathapuram District	2x800 = 1600	2016-17
Name of the State : Kerala			
`	State (Hydro) :		
1	Chimmony, Trichur	2.5	Expected by Mar5 2015
2	Chattankottunada Stg-II , Kozhikode	3 x 2 = 6	Proposed date of commissioning : Dec 2014
3	Pallivasal Extension	2 x 30 = 60	Expected by Dec 2015
4	Thottiyar	30 + 10 = 40	Expected by NOV 2015
6	Anakkayam H.E. Project	7.50	Expected by 2016-2017
7	Barapole SHEP, Kannur	15.00	Proposed date of commissioning : Oct '14
8	Vilangad SHEP, Kozhikode	3 x 2.5 = 7.5	Commissioned on 15-07-2014
9	Perumthenaruvu Project	6.00	Expected by JUNE-15
10	Vellathooval SHEP	3.6	Proposed date of commissioning : FEB-2015
11	Adiyanpara	3.5	Proposed date of commissioning : January 2015
12	Kakkayam SHEP, Kozhikode	3	Proposed date of commissioning : Nov' 14
B	Augmentation :		
		NIL	
C	IPP (Hydro) :		
1	Karikkayam	10.5	Unit 1 :28-09-13, Unit 2 :20-08-13 Unit 3 : 02-09-13
	Meenavallam	1.5x2=3	Comissioned ,COD not declared
I	Central Sector (Thermal) :		
1	Neyveli TS-II (Expansion) (NLC)	2x250 = 500	Unit I- Achieved FL on 04.02.2012.,COD Declared Unit II -COD Declared
	Kudgi STPS, Bijapur(ST-1),NTPC	3x800=2400	Unit 1 :Sep 2015, Unit 2 : Mar-2016
	Kudgi STPS, Bijapur(ST-2),NTPC	2x800=1600	Expected during 13th plan
2	Jayamkondam Lignite (NLC)	1600	12th Plan
3	Neyveli TS-III (NLC)	1000	12th Plan
4	Sirkali TPP	3x660=1980	From GoI approval Unit 1 :52 months Unit 2 : 58 months Unit 3: 64 months (PPA has been signed)
II	Central Sector (Nuclear) :		
1	Kalpakkam (PFBR)	500	2014-15
2	Kudankulam (NPCIL)	2x1000=2000	Unit I : Synchronised on 22-10-2013, achieved full load on 07-06-2014, COD on 31.12.2014 Unit II: April 2016
III	Central Sector (Gas Based) :		
	Kayamkulam CCPP Module 1 to 3 (NTPC)	1050/1950	12th Plan. Gas supply by 2014

