

# प्रणाली प्रचालन विवरण SYSTEM OPERATION REPORT



**मार्च 2017**

**MARCH 2017**

**दक्षिण क्षेत्रीय भार प्रेषण केन्द्र  
बेंगलूर**

**SOUTHERN REGIONAL LOAD DESPATCH  
CENTRE BANGALORE**

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**SR GRID SUMMARY FOR THE MONTH OF March 2017**

	ANDHRA PRADESH	TELANGANA	KARNATAKA	KERALA	TAMIL NADU
<b><u>(I) GENERATION DETAILS:(MU)</u></b>					
HYDRO	245.34	69.76	1079.77	425.61	145.56
THERMAL	3040.49	1716.47	1381.62	0.00	2714.33
DIESEL	0.00	0.00	0.00	0.79	0.00
GAS	53.01	0.00	0.00	0.00	157.69
TOTAL	3338.84	1786.22	2461.39	426.40	3017.58
INDEPENDENT P.P *	779.09	727.25	1370.54	9.60	988.36
INTER REGIONAL IMPORT(HVDC)	As per Annexure				
WIND MILL & SOLAR	292.32	182.80	310.47	2.61	445.01
CAPTIVE PLANTS **	0.00	208.48	0.00	0.00	0.00
TOTAL DRAWALS INCL HVDC	649.51	2633.53	2595.19	1733.82	4941.79
(II)ACTUAL CONSUMPTION (MU)	5059.76	5538.28	6737.59	2172.43	9392.74
<b><u>(III) MAXIMUM DEMAND(MW)</u></b>	7661	9191	10170	3858	14584
MAX DEMAND ON DATE	06-03-2017	31-03-2017	31-03-2017	31-03-2017	29-03-2017
MAX DEMAND AT TIME	12:00	12:35	11:00	21:00	11:30
STATE HYDRO GEN. AT MAX. DMD	726	138	1817	689	150
STATE THERMAL GEN. AT MAX. DMD	2927	3595	2235	0	3998
FREQUENCY OF MAX DEMAND	49.99	50.03	50.06	50.00	49.93

REGIONAL MAXIMUM DEMAND:	MW	DATE	TIME	FREQUENCY
	42277	03-03-2017	07:19	50.02

## I) IMPORTANT EVENTS

### a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/CGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	KPCL	YTPS	800	THERMAL	07-Mar-17

### b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME & CKT NO.	KV	Length (CkM)	DATE
1	TSTRANSCO	400KV GAJWEL-NARSAPUR 1	400		1-Mar-17
2	TSTRANSCO	400KV NARSAPUR -SHANKARAPALLY 1	400		1-Mar-17
3	APTRANSCO	400KV SURYAPET-KVKOTA-2	400	174.54 KM	2-Mar-17
4	TANTRANSCO	400 kV PALLAVADI-TIRUVALAM 2	400	209.6 KM	14-Mar-17
5	TANTRANSCO	400 kV MTPS - PALAVADI 2	400	61.3 KM	14-Mar-17
6	TANTRANSCO	400 kV PALLAVADI-TIRUVALAM 1	400	209.6 KM	14-Mar-17
7	TANTRANSCO	400 kV MTPS - PALAVADI 1	400	61.3 KM	14-Mar-17
8	PGCIL	400KV DICHPLY-NIZAMABAD-2	400	4.1 KM	24-Mar-17
9	PGCIL	765 KV WARDHA-NIZAMABAD-1	765	291.28 KM	30-Mar-17
10	PGCIL	766 KV WARDHA-NIZAMABAD-2	765	291.28 KM	31-Mar-17
11	PGCIL	400 Kv DICHALLY-NIZAMABAD-1	400	4.1 KM	31-Mar-17

### c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	PGCIL	ICT-3 AT KOZHICODE	400/220	315	07-03-2017
2	PGCIL	ICT-1 AT SOMANAHALLI (REPLACED 500 MVA)	400/220	500	13-03-2017
3	TANTRANSCO	ICT-1 AT PALAVADI	400/230	315	15-03-2017
4	TANTRANSCO	ICT-4 AT PALAVADI	400/110	200	15-03-2017
5	PGCIL	ICT 2 AT SRIKAKULAM	765/400	1500	16-03-2017
6	APTRANSCO	ICT 2 AT KVKOTA	400/220	315	17-03-2017
7	TSTRANSCO	ICT-2 AT SURYAPET	400/220	315	17-03-2017
8	PGCIL	ICT-1 NIZAMABAD	765/400	1500	24-03-2017
9	TSTRANSCO	ICT-3 AT DICHALLY	400/220	315	24-03-2017
10	PGCIL	ICT-3 AT VIJAYAWADA	400/220	500	25-03-2017
11	PGCIL	ICT-2 AT VEMAGIRI	765/400	1500	27-03-2017
12	PGCIL	ICT 2 AT SOMANAHALLI (REPLACED 500 MVA)	400/220	500	28-03-2017
13	TANTRANSCO	ICT-3 AT PUGALUR (315 MVA)	400/230	315	29-03-2017
14	TSTRANSCO	ICT-1 AT NARSAPUR	400/220	315	31-03-2017

### d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION/LINE NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	POWERGRID	400KV NPS-NELLORE 1 at Nellore (SWITCHABLE LINE REACTOR)	LINE	125.00	02-03-2017
2	POWERGRID	GOOTY B/R	BUS	125.00	10-03-2017
3	POWERGRID	400 kV Gooty - NPS L/R 2 at NPS	LINE	63.00	15-03-2017
4	POWERGRID	400 kV Gooty - NPS L/R 1 at NPS	LINE	63.00	17-03-2017
5	POWERGRID	N'SAGAR B/R 2	BUS	125.00	26-03-2017
6	POWERGRID	KHAMMAM B/R 2	BUS	125.00	26-03-2017
7	POWERGRID	765 kV NIZAMABAD B/R	BUS	240.00	30-03-2017
8	POWERGRID	765KV SRKLM SPARE B/R	BUS	110.00	31-03-2017
9	POWERGRID	400KV VIJAYAWADA B/R-4	BUS	125.00	31-03-2017
10	TSTRANSCO	Gajwel B/R	BUS	125.00	31-03-2017

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

#### i) Grid Separations

#### ii) Grid Disturbances

### II) a) FREQUENCY PROFILE FOR THE MONTH [Hz]

	FREQUENCY (HZ)	DATE	FVI	DATE
MAXIMUM	50.34	05-Mar-17	0.07	23-Mar-17
MINIMUM	49.66	27-Mar-17	0.03	02-Mar-17
AVERAGE	49.99		0.04	

### b) FREQUENCY DISTRIBUTION FOR THE MONTH

The frequency ranges as a percentage of time during the month

%TIME FREQUENCY	< 49.9	49.90-50.05	>50.05
%	4.59	72.22	23.20

### III) POWER SUPPLY POSITION FOR THE MONTH

	AP	TG	KAR	KER	TN	PONDY	REGION
UNRESTRICTED PEAK DEMAND(MW)	7663	9191	10170	3858	14613	351	42277

PEAK DEMAND MET (MW)	7661	9191	10170	3858	14584	350	42277
UNRESTRICTED ENERGY REQMT(MU)	5061	5540	6740	2174	9396	214	29126
ENERGY MET (MU)	5060	5538	6738	2172	9393	214	29115

#### IV) Inter/Intra Regional exchanges in MU's

SCHEDULED INTER REGIONAL AND INTRA REGIONAL EXCHANGES OF POWER DURING MARCH 2017						
Application No.	Trader	From_entity	To_entity	Periphery	through	Energy (MU)
<b>MTQA</b>						
Application No.	Trader	From_entity	To_entity	Periphery	through	Energy (MU)
M 16 05	KSEB	ER	MAITHONPWR	KSEB	ER	70.090
M 17 01	PTC	JHARKHAND	ADHUNIK	TGTRANSCO	ER	16.176
M 16 09	PTC	SR	MEENAKSHI	TGTRANSCO	SR	32.729
M 15 03	COASTGEN	SR	COASTENG	TNEB	SR	246.336
M 16 07	KSKMAHANADI	CSEB	KSKMAHANADI	APTRANSCO	WR	218.515
M 16 08	KSKMAHANADI	CSEB	KSKMAHANADI	APTRANSCO	WR	9.490
M 15 10	SAIL-SALEM	CSEB	NSPCLBHIL	TNEB	WR	9.087
M 17 03	ADANI(E)	GUJARATH	APLMUNDRA3	TNEB	WR	126.984
M 17 04	PTC	WR	JINDALPOW	KSEB	WR	132.351
M 16 02	JPL	WR	JINDALPOW	TNEB	WR	35.232
M 17 02	JPL	WR	JINDALPOW	TNEB	WR	87.315

<b>LTA</b>						
Application No.	Trader	From_entity	To_entity	Periphery	through	Energy MU
L 16 02 R	KSEB	DVC	RAGHUTPS	KSEB	ER	20.713
L 15 09 K	BESCOM	ER	KODERMATPS	KPTCL	ER	176.700
L 15 09 M	BESCOM	ER	MEJIATPS	KPTCL	ER	141.686
L 15 06	KSEB	ER	MAITHONPWR	KSEB	ER	91.553
L 16 02 M	KSEB	ER	MEJIATPS	KSEB	ER	70.494
L 15 08	ADHUNIKLTD	JHARKHAND	ADHUNIK	TNEB	ER	46.543
L 17 01	TPCIL	SR	THERMPOWER	APTRANSCO	SR	170.338
L 16 03TS1	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	199.644
L 16 03TS2	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	422.224
L 10 009	ILFS	SR	ILFS	TNEB	SR	288.145
L 17 02	JPL	CSEB	JPLSTAGE2	KSEB	WR	134.220
L 15 01	BALCO	CSEB	BALCOTPS	TNEB	WR	68.623
L 15 03	KSKMAHANADI	CSEB	JPLSTAGE2	TNEB	WR	260.667
L 15 04	DBPOWERLTD	CSEB	KSKMAHANADI	TNEB	WR	182.705
L 15 07	BALCO	CSEB	DBPOWER	TNEB	WR	138.684
L 16 04	JHABUA	MPSEB	BALCOTPS	TNEB	WR	69.515
L 16 04	JHABUA	MPSEB	JHABUA	KSEB	WR	2.622
L 15 05	DHARIWAL	WR	DIL	TNEB	WR	73.703
L 16 01	EMCO	WR	EMCO	TNEB	WR	98.490
L13 01 N22	NVVN	RAJASTHAN	RAJASTHAN	KPTCL	ER	9.895845
L14 01 S01	NVVN	APTRANSCO	NVVN SOLAR	TGTRANSCO	SR	6.44228
L14 01 S02	NTPC SOLAR	TGTRANSCO	NTPC SOLAR	APTRANSCO	SR	0.9384125
<b>STOA</b>						
S23921D	NVVN	CSEB	BALCOTPS	TNEB	ER	2.419
S24271C	IEX	CSEB	BALCOTPS	TNEB	ER	0.030
S24272C	IEX	CSEB	DBPOWER	TNEB	ER	0.020
S24276C	IEX	CSEB	DBPOWER	TNEB	ER	0.030
S24318C	IEX	CSEB	DBPOWER	TNEB	ER	0.060
S24261C	GMRETL	DELHI	TATADELHI	APTRANSCO	ER	0.300
S24378C	IEX	DVC	DVC	KPTCL	ER	1.060
S24273C	IEX	DVC	DVC	TNEB	ER	0.100
S24306C	IEX	DVC	DVC	TNEB	ER	0.400
S24162C	IEX	MPSEB	MPPMCL	TNEB	ER	0.750
S24274C	IEX	MPSEB	SRPOWERMP	TNEB	ER	0.300
S24275C	IEX	MPSEB	MPPMCL	TNEB	ER	0.380
S24308C	IEX	MPSEB	MPPMCL	TNEB	ER	0.400
S24322C	IEX	MPSEB	MPPMCL	TNEB	ER	0.205
S24160D	PIONEER EB	MSETCL	PIONEER EB	TGTRANSCO	ER	0.300
S24164C	IEX	MSETCL	GMRWARORA	TNEB	ER	0.050
S24270C	IEX	MSETCL	DHARIWALU2	TNEB	ER	0.050
S24309C	IEX	MSETCL	DHARIWALU2	TNEB	ER	0.050
S24321C	IEX	MSETCL	DHARIWALU2	TNEB	ER	0.050
S23413A	TATA	ORISSA	JINDALIND	KSEB	ER	29.113
S23909D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S23910D	TATA	ORISSA	JINDALIND	KSEB	ER	1.339
S23920D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S23922D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S23939D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S23940D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S23959D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S23960D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S23964D	TATA	ORISSA	JINDALIND	KSEB	ER	1.273
S23965D	TATA	ORISSA	JINDALIND	KSEB	ER	0.434
S23973D	TATA	ORISSA	JINDALIND	KSEB	ER	0.068
S23986D	TATA	ORISSA	JINDALIND	KSEB	ER	0.068
S24093D	TATA	ORISSA	JINDALIND	KSEB	ER	1.132
S24104D	TATA	ORISSA	JINDALIND	KSEB	ER	0.510
S24105D	TATA	ORISSA	JINDALIND	KSEB	ER	0.188
S24159D	TATA	ORISSA	JINDALIND	KSEB	ER	0.085
S24186D	TATA	ORISSA	JINDALIND	KSEB	ER	0.085
S24197D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S24198D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24208D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24209D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S24233D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24235D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S24249D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24250D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S24258D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24259D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S24267D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24268D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S24284D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24285D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S24286C	PXIL	ORISSA	GMRKAMALA	KSEB	ER	1.163
S24315D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24316D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S24329D	TATA	ORISSA	JINDALIND	KSEB	ER	1.430
S24329D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24341D	TATA	ORISSA	JINDALIND	KSEB	ER	1.328
S24342D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24360D	TATA	ORISSA	JINDALIND	KSEB	ER	1.328
S24363D	TATA	ORISSA	JINDALIND	KSEB	ER	0.613
S24375D	TATA	ORISSA	JINDALIND	KSEB	ER	1.328
S24376D	TATA	ORISSA	JINDALIND	KSEB	ER	0.330
S24385D	TATA	ORISSA	JINDALIND	KSEB	ER	0.330
S24386D	TATA	ORISSA	JINDALIND	KSEB	ER	1.328
S24414D	TATA	ORISSA	JINDALIND	KSEB	ER	0.303
S24307C	IEX	ORISSA	KAMLNGASTU	TNEB	ER	0.192
S24319C	IEX	ORISSA	GMRKAMALA	TNEB	ER	0.260
S24320C	IEX	ORISSA	KAMLNGASTU	TNEB	ER	0.300
S24379C	IEX	RAJASTHAN	SHRECEMTIPS	KPTCL	ER	3.892
S13487C	IEX	SR	MEENAKSHI	WBSETCL	ER	0.090
S24163C	IEX	WR	GMRCHATISG	TNEB	ER	0.200
S23525A	MANIKARAN	APTRANSCO	BMMCMENT	TGTRANSCO	SR	2.381
S23759A	TATA	APTRANSCO	NBVLAP	TGTRANSCO	SR	8.932
S23800A	ITCLDWIND	APTRANSCO	ITCWINO	TGTRANSCO	SR	3.534
S23886F	SARVASUGAP	APTRANSCO	SARVASUGAR	TGTRANSCO	SR	2.300
S23890F	SAGARCEMENT	APTRANSCO	BMMCMENT	TGTRANSCO	SR	4.570
S23891F	KISPL	APTRANSCO	MAHAMAYA	TGTRANSCO	SR	0.358

S23892F	KISPL	APTRANSCO	SIRIUSBIO	TGTRANSCO	SR	0.572
S23895F	SARDALTD	APTRANSCO	SARDAMETAL	TGTRANSCO	SR	15.635
S23896F	GIRJIAALOY	APTRANSCO	GIRJIAALOY	TGTRANSCO	SR	22.397
S23942F	NETS	APTRANSCO	SBQSTEELS	TGTRANSCO	SR	12.743
S23946F	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	3.248
S23947F	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	8.799
S23969D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.475
S23970D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.190
S23983D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.057
S23984D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.048
S24008D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.055
S24010D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.060
S24020D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.060
S24021D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.055
S24041D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.126
S24042D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.079
S24054F	ITCLTDWIND	APTRANSCO	ITCWIND	TGTRANSCO	SR	0.371
S24078D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.126
S24080D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.079
S24090D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.113
S24091D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.048
S24140D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24141D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.031
S24151D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24153D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.031
S24156D	TATA	APTRANSCO	NBVLAP	TGTRANSCO	SR	0.057
S24180D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24182D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.031
S24188D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24189D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.031
S24201D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24203D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.031
S24234D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24236D	STEELKPT	APTRANSCO	STEELKOTHA	TGTRANSCO	SR	0.031
S24242D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24253D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24266D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24280D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24311D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.053
S24327D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.116
S24340D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.102
S24358D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24370D	STEELEX	APTRANSCO	STEELEX	TGTRANSCO	SR	0.046
S24161C	IEX	APTRANSCO	APSPDCL	TNEB	SR	0.400
S23908C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.389
S23923C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.359
S23941C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.441
S23961C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.416
S23966C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.431
S23975C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.430
S23988C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.461
S24012C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.454
S24030C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.427
S24048C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.528
S24085C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.376
S24092C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.370
S24106C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.362
S24114C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.371
S24145C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.168
S24158C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.229
S24178C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.163
S24196C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.212
S24207C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.155
S24237C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.361
S24247C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.394
S24260C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.436
S24269C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.419
S24282C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.354
S24317C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.416
S24330C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.247
S24343C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.181
S24355C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.126
S24377C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.118
S24387C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.135
S24415C	ARPPCPL	KPTCL	DALCEMKAR	APTRANSCO	SR	0.125
S23916C	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.338
S23943F	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	2.960
S23956D	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.125
S24011D	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	1.368
S24018D	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	1.482
S24038D	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	1.663
S24081C	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	1.682
S24089D	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.998
S24095C	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.576
S24099D	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.790
S24100D	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.264
S24108D	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.790
S24113C	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.330
S24143C	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.899
S24144C	JSWPTC	KPTCL	JSWEL	TGTRANSCO	SR	0.258
S23832F	PTC	SR	SGPLNLR	KPTCL	SR	179.247
S23976C	IEX	SR	THERMPOWER	KPTCL	SR	0.015
S23977C	IEX	SR	THERMPOWER	KPTCL	SR	0.007
S24031C	IEX	SR	SGPLNLR	KPTCL	SR	0.024
S24051C	IEX	SR	SGPLNLR	KPTCL	SR	0.024
S24083C	IEX	SR	SGPLNLR	KPTCL	SR	0.019
S23906D	TPCIL	SR	THERMPOWER	KSEB	SR	1.902
S23907D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.681
S23912D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.681
S23913D	TPCIL	SR	THERMPOWER	KSEB	SR	1.902
S23924D	TPCIL	SR	THERMPOWER	KSEB	SR	1.902
S23925D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.681
S23957D	TPCIL	SR	THERMPOWER	KSEB	SR	1.902
S23958D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.681
S23962D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.735
S23963D	TPCIL	SR	THERMPOWER	KSEB	SR	1.848
S23967D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.386
S23968D	TPCIL	SR	THERMPOWER	KSEB	SR	2.189
S23974C	IEX	SR	SGPLNLR	KSEB	SR	1.321
S23982D	TPCIL	SR	THERMPOWER	KSEB	SR	2.574
S23987C	IEX	SR	SGPLNLR	KSEB	SR	6.000
S24009D	TPCIL	SR	THERMPOWER	KSEB	SR	2.574
S24013C	IEX	SR	SGPLNLR	KSEB	SR	5.900
S24032D	TPCIL	SR	THERMPOWER	KSEB	SR	2.574
S24033C	IEX	SR	SGPLNLR	KSEB	SR	5.950
S24035C	IEX	SR	SGPLNLR	KSEB	SR	0.050



S24037D	TPCIL	SR	THERMPOWER	KSEB	SR	2.574
S24049C	IEX	SR	SGPLNLR	KSEB	SR	6.046
S24077D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.057
S24084C	IEX	SR	SGPLNLR	KSEB	SR	4.420
S24094C	TPCIL	SR	THERMPOWER	KSEB	SR	2.574
S24102D	TPCIL	SR	THERMPOWER	KSEB	SR	1.848
S24103D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.417
S24109D	TPCIL	SR	THERMPOWER	KSEB	SR	1.848
S24110D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.417
S24113D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.576
S24150D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.576
S24184D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.576
S24192D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.576
S24202D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.576
S24230D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.520
S24248D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.580
S24257D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.580
S24265D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.580
S24279D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.580
S24314D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.580
S24324D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.580
S24338D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.578
S24359D	SGPLNLR	SR	SGPLNLR	KSEB	SR	2.375
S24373D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.648
S24381D	TPCIL	SR	THERMPOWER	KSEB	SR	1.851
S24383D	SGPLNLR	SR	SGPLNLR	KSEB	SR	0.365
S23887F	MYHOMELTD	SR	COASTENG	TGTRANSCO	SR	0.913
S23893F	IPCL	SR	MEENAKSHI	TGTRANSCO	SR	68.579
S23894F	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	22.738
S23905D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	0.075
S23914D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	0.225
S23915C	ILFS	SR	ILFS	TGTRANSCO	SR	0.018
S23948F	ILFS	SR	ILFS	TGTRANSCO	SR	4.785
S23971D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.323
S23972D	ILFS	SR	ILFS	TGTRANSCO	SR	0.266
S23979D	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.492
S23980D	ADANI	SR	THERMPOWER	TGTRANSCO	SR	0.873
S23981D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.541
S23985D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.924
S24001C	ADANI	SR	THERMPOWER	TGTRANSCO	SR	0.119
S24003D	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.478
S24004D	ADANI	SR	THERMPOWER	TGTRANSCO	SR	0.933
S24005D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.069
S24006D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.485
S24007D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	2.473
S24017F	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	54.689
S24019D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	2.438
S24022D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.508
S24023D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.181
S24024C	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	2.280
S24025C	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.478
S24026C	IPCL	SR	MEENAKSHI	TGTRANSCO	SR	1.517
S24027C	ADANI	SR	THERMPOWER	TGTRANSCO	SR	0.940
S24036D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	2.618
S24039D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.238
S24040D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.609
S24043D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	2.441
S24044C	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.478
S24045C	ADANI	SR	THERMPOWER	TGTRANSCO	SR	0.955
S24052C	IEX	SR	SGPLNLR	TGTRANSCO	SR	0.010
S24073D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	2.694
S24074D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.886
S24075D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.245
S24076D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.252
S24079D	ADANI	SR	THERMPOWER	TGTRANSCO	SR	1.492
S24088D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.880
S24097D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.553
S24098D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	0.911
S24111D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.035
S24112C	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.766
S24136D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.995
S24137D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.434
S24139D	ADANI	SR	THERMPOWER	TGTRANSCO	SR	0.759
S24142C	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.971
S24147D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.471
S24148D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.376
S24149D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.995
S24152D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	2.032
S24154D	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.781
S24176C	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.710
S24177C	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.902
S24179D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.472
S24181D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.928
S24183D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.418
S24187D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.426
S24190D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.342
S24191D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.917
S24194C	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.938
S24200D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.672
S24204D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.461
S24205D	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.561
S24206D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.876
S24227D	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.088
S24229D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.75507
S24231D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.227
S24232D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.327
S24241F	ADANI	SR	SGPLNLR	TGTRANSCO	SR	7.327
S24243D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.239
S24244D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.808
S24245C	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.385
S24246C	ADANI	SR	SGPLNLR	TGTRANSCO	SR	0.616
S24254D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.176
S24255D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.316
S24256D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.733
S24262D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.370
S24263D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.121
S24264D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.896
S24278D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.896
S24281D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.146
S24283D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.407
S24310D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.145
S24312D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.896
S24313D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.408
S24323D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.529
S24325D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.660
S24326D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.117
S24335D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.337
S24336D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.788
S24337D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.648
S24339D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	1.089
S24353D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.285
S24354D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	1.331
S24356D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.489
S24357D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.830
S24369D	MYHOMELTD	SR	SGPLNLR	TGTRANSCO	SR	0.301
S24371D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	0.984
S24372D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.124
S24374D	SGPLNLR	SR	SGPLNLR	TGTRANSCO	SR	0.190
S24380D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.276
S24382D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	1.800

S24408D	SEPL	SR	SIMHAPURI	TGTRANSCO	SR	2.094
S24409D	MYHOMELTD	SR	COASTENG	TGTRANSCO	SR	2.423
S24410D	TPCIL	SR	THERMPOWER	TGTRANSCO	SR	1.541
S23326A	MANIKARAN	SR	SGPLNLR	TNEB	SR	107.548
S23881F	ILFS	SR	ILFS	TNEB	SR	226.176
S23882F	ILFS	SR	ILFS	TNEB	SR	181.812
S24014C	IEX	SR	SGPLNLR	TNEB	SR	0.424
S24034C	IEX	SR	SGPLNLR	TNEB	SR	0.700
S24344C	IEX	SR	SGPLNLR	TNEB	SR	2.117
S24345C	IEX	SR	THERMPOWER	TNEB	SR	0.859
S24361C	IEX	SR	SGPLNLR	TNEB	SR	2.712
S24362C	IEX	SR	THERMPOWER	TNEB	SR	1.060
S24412C	IEX	SR	SGPLNLR	TNEB	SR	0.208
S24413C	IEX	SR	THERMPOWER	TNEB	SR	0.308
S23833F	SITAPURLTD	TGTRANSCO	SITAPURPOW	APTRANSCO	SR	7.027
S23883F	MYHOME	TGTRANSCO	MYHOMEIND	APTRANSCO	SR	1.056
S23884F	MYHOME	TGTRANSCO	MYHOMEIND	APTRANSCO	SR	3.360
S24015F	MYHOME	TGTRANSCO	MYHOMEIND	APTRANSCO	SR	0.843
S24016F	MYHOME	TGTRANSCO	MYHOMEIND	APTRANSCO	SR	2.880
S24157C	SITAPURLTD	TGTRANSCO	SITAPURPOW	APTRANSCO	SR	0.214
S24185D	SITAPURLTD	TGTRANSCO	SITAPURPOW	APTRANSCO	SR	0.247
S24193D	SITAPURLTD	TGTRANSCO	SITAPURPOW	APTRANSCO	SR	0.247
S24199D	SITAPURLTD	TGTRANSCO	SITAPURPOW	APTRANSCO	SR	0.247
S24228D	SITAPURLTD	TGTRANSCO	SITAPURPOW	APTRANSCO	SR	0.031
S24238F	MYHOME	TGTRANSCO	MYHOMEIND	APTRANSCO	SR	0.948
S24239F	MYHOME	TGTRANSCO	MYHOMEIND	APTRANSCO	SR	3.168
S23878F	INDCEMSANK	TNEB	INDCEMSANK	APTRANSCO	SR	3.528
S24240F	INDCEMSANK	TNEB	INDCEMSANK	APTRANSCO	SR	0.840
S24050C	IEX	TNEB	SKICARBUM	KSEB	SR	0.004
S23888F	NVVN	TNEB	MALCOELTN	TGTRANSCO	SR	12.889
S23889F	NVVN	TNEB	VEDSTERCOP	TGTRANSCO	SR	27.093
S24028C	NVVN	TNEB	VEDSTERCOP	TGTRANSCO	SR	0.235
S24029C	NVVN	TNEB	MALCOELTN	TGTRANSCO	SR	0.030
S24046C	NVVN	TNEB	VEDSTERCOP	TGTRANSCO	SR	0.078
S24047C	NVVN	TNEB	MALCOELTN	TGTRANSCO	SR	0.105
S24053C	IEX	TNEB	SKICARBUM	TGTRANSCO	SR	0.040
S24082C	NVVN	TNEB	MALCOELTN	TGTRANSCO	SR	0.105
S24086C	NVVN	TNEB	VEDSTERCOP	TGTRANSCO	SR	0.264
S24087C	NVVN	TNEB	MALCOELTN	TGTRANSCO	SR	0.105
S24101D	NVVN	TNEB	MALCOELTN	TGTRANSCO	SR	0.105
S24118D	NVVN	TNEB	MALCOELTN	TGTRANSCO	SR	0.105
S24156D	NVVN	TNEB	MALCOELTN	TGTRANSCO	SR	0.105
S24384C	NVVN	TNEB	VEDSTERCOP	TGTRANSCO	SR	0.078
S24411C	NVVN	TNEB	VEDSTERCOP	TGTRANSCO	SR	0.235
W34547C	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34561C	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34569F	NVVN	APTRANSCO	APPCC	GOAWR	WR	3.600
W34578D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34587D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34631F	NVVN	APTRANSCO	APPCC	GOAWR	WR	3.600
W34694C	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34703D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34712D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34716D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34731D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34738D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34744C	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34752D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34758D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34761D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34776D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34820D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34831D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
W34879D	NVVN	APTRANSCO	APPCC	GOAWR	WR	0.720
39098D	ARPPCL	APTRANSCO	APPCC	UP	WR	0.000
N39043D	ARPPCL	APTRANSCO	APPCC	UP	WR	0.120
N39053D	ARPPCL	APTRANSCO	APPCC	UP	WR	0.039
N39054C	ARPPCL	APTRANSCO	APPCC	UP	WR	0.081
N39070D	ARPPCL	APTRANSCO	APPCC	UP	WR	0.113
N39084D	ARPPCL	APTRANSCO	APPCC	UP	WR	0.117
N39111D	ARPPCL	APTRANSCO	APPCC	UP	WR	0.101
N39122D	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.120
N39136D	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.115
N39156D	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.115
N39173D	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.120
N39189D	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.120
N39197D	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.120
N39220D	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.480
N39232C	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.480
N39246D	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.480
N39256D	ARPPCPL	APTRANSCO	APPCC	UP	WR	0.480
N39403D	ARPPCL	APTRANSCO	APPCC	UP	WR	0.000
S39098D	ARPPCL	APTRANSCO	APPCC	UP	WR	0.113
S39141D	ARPPCL	APTRANSCO	APPCC	UP	WR	0.105
S23918F	NVVN	CSEB	BALCOTPS	TNEB	WR	11.491
S23944F	GMRETL	DELHI	BSESRPL	KSEB	WR	6.250
W010317G	GOASR	GOASR	*****	GOAWR	WR	0.476
W020317G	GOASR	GOASR	*****	GOAWR	WR	0.414
W030317G	GOASR	GOASR	*****	GOAWR	WR	0.476
W031217G	GOASR	GOASR	*****	GOAWR	WR	0.393
W040317G	GOASR	GOASR	*****	GOAWR	WR	0.486
W050317G	NVVN	GOASR	*****	GOAWR	WR	0.486
W060317G	NVVN	GOASR	*****	GOAWR	WR	0.485
W070317G	NVVN	GOASR	*****	GOAWR	WR	0.485
W080317G	GOA	GOASR	*****	GOAWR	WR	0.485
W090317G	GOA	GOASR	*****	GOAWR	WR	0.837
W100317G	NVVN	GOASR	*****	GOAWR	WR	0.485
W110317G	NVVN	GOASR	*****	GOAWR	WR	0.393
W130317G	GOASR	GOASR	*****	GOAWR	WR	0.394
W140317G	NVVN	GOASR	*****	GOAWR	WR	0.394
W150317G	GOASR	GOASR	*****	GOAWR	WR	0.394
W160317G	GOA	GOASR	*****	GOAWR	WR	0.394
W170317G	GOA	GOASR	*****	GOAWR	WR	0.394
W180317G	GOASR	GOASR	*****	GOAWR	WR	0.394
W190317G	GOASR	GOASR	*****	GOAWR	WR	0.447
W200317G	NVVN	GOASR	*****	GOASR	WR	0.561
W210317G	GOA	GOASR	*****	GOAWR	WR	0.394
W220317G	GOASR	GOASR	*****	GOAWR	WR	0.394
W230317G	GOASR	GOASR	*****	GOAWR	WR	0.211
W240317G	GOASR	GOASR	*****	GOAWR	WR	0.211
W250317G	GOASR	GOASR	*****	GOAWR	WR	0.746
W270317G	GOASR	GOASR	*****	GOAWR	WR	1.334
W280317G	NVVN	GOASR	*****	GOAWR	WR	1.620
W290317G	NVVN	GOASR	*****	GOAWR	WR	0.654
W300317G	NVVN	GOASR	*****	GOAWR	WR	0.307
W310317G	NVVN	GOASR	*****	GOAWR	WR	1.192
S23917F	PTC	MPSEB	JPNIGRIE	TNEB	WR	13.370



## 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	12.80	---	6454.76
TELANGANA	2083.96	4082.50	0.00	1.00	---	6167.46
KARNATAKA	3669.45	4220.00	127.92	29.55	---	8046.92
KERALA	1957.40	---	159.96	3.03	---	2120.39
TAMILNADU	2221.90	4770.00	515.88	17.47	---	7525.25
PONDICHERRY	---	---	32.50	---	---	32.50
CENTRAL SECTOR	---	11290.00	---	10.00	3320.00	14620.00
IPP	0.00	10830.00	5427.51	20274.36	---	36531.87
TOTAL	11692.67	39602.50	6535.77	20348.21	3320.00	81499.15

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-2016	6790	5567	8036	2119	7525	32.5	11810	23281	59970
Mar-2017	6455	6167	8047	2120	7525	32.5	14620	36532	81499
% INCREASE (i)	-4.94	10.78	0.14	0.05	0.00	0.00	23.79	56.92	35.90

\*BDPP Units Derated \*\*AP RE Installed Capacity Updated

ENERGY (GROSS) Unrestricted Requirement(MU)	APTRANSCO	TELANGANA	KPTCL	KSEB	TNEB	PONDY	REGIONAL
Mar-2016	4803	4470	6646	2267	9688	218	28092
Mar-2017	5061	5540	6740	2174	9396	214	29126
Energy Availability (MU)							
Mar-2016	4802	4469	6362	2257	9686	218	27795
Mar-2017	5060	5538	6738	2172	9393	214	29115
Shortage(-)/ Surplus(+)							
Mar 2016 (MU) / %	-1 / (-0.02)	-1 / (-0.02)	-284 / (-4.28)	-9 / (-0.42)	-2 / (-0.02)	0 / (-0.02)	-297 / (-1.06)
Mar 2017 (MU) / %	-2 / (-0.03)	-2 / (-0.03)	-2 / (-0.04)	-2 / (-0.09)	-3 / (-0.04)	0 / (-0.11)	-11 / (-0.04)

DEMAND Unrestricted Demand (MW)	APTRANSCO	TELANGANA	KPTCL	KSEB	TNEB	PONDY	REGIONAL
Mar-2016	7391	6651	10102	3979	14567	345	40987
Mar-2017	7663	9191	10170	3858	14613	351	42277
Availability (MW)							
Mar-2016	7391	6651	9508	3860	14534	344	40899
Mar-2017	7661	9191	10170	3858	14584	350	42277
Shortage(-)/ Surplus(+)							
Mar 2016 (MW) / %	0 / (-0.00)	0 / (-0.00)	-594 / (-5.88)	-119 / (-2.98)	-33 / (-0.23)	-1 / (-0.25)	-88 / (-0.21)
Mar 2017 (MW) / %	-2 / (-0.03)	0 / (-0.00)	0 / (-0.00)	0 / (-0.00)	-29 / (-0.20)	-1 / (-0.21)	0 / (-0.00)

**IV) PERFORMANCE OF CONSTITUENTS**
**ENERGY GENERATED BY GENERATING STATIONS / UNITS IN  
SOUTHERN REGION DURING March 2017**
**ANDHRA PRADESH**

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-17	From 01-04-16 To 31-03-2017
HYDRO				
1	MACHKUND	3x(23+17)x70% = 84.00	32.68	375.84
2	T.B.DAM	(8x9)x80% = 57.60	0.00	76.11
3	UPPER SILERU	4x60 = 240.00	72.42	348.81
4	DONKARAYI	1x25 = 25.00	7.25	60.21
5	LOWER SILERU	4x115 = 460.00	110.24	826.34
6	SRISAILAM RBPH	7x110 = 770.00	19.42	736.32
7	NSR RT.CANAL P.H	3x30 = 90.00	0.00	8.44
8	PENNA AHOBILAM	2x10 = 20.00	0.00	16.20
9	MINI HYDEL (+ APTRIPCO 1.2 MW)	13.36 = 13.36	0.00	1.42
	TOTAL	1759.96	242.02	2449.67
THERMAL				
COAL				
1	VIJAYAWADA	6x210 + 1x500 = 1760.00	1009.76	11849.09
2	RAYALASEEMA	5x210 = 1050.00	654.65	6627.01
3	KRISHNAPATNAM	2x800 = 1600.00	786.89	8992.83
	TOTAL	4410.00	2451.30	27468.94
GAS/NAPHTHA/DIESEL				
1	VIJESWARAM STAGE 1 (GAS)	2x33+1x34 = 100.00	40.65	183.06
2	VIJESWARAM STAGE 2 (GAS)	1x112.5+1x59.5 = 172.00	12.66	479.65
	TOTAL	272.00	53.32	662.70
WIND/SOLAR				
1	WIND	12.8 = 12.80	0.00	0.00
2	SOLAR JURALA	0 = 0.00	0.00	0.00
	TOTAL	12.80	0.00	0.00
IPP				
HYDRO				
1	MINI HYDRO	105.64 = 105.64	5.75	623.70
COAL				
1	SIMHADRI (AP) - NTPC	2x500 = 1000.00	344.04	4518.82
2	HINDUJA POWER CORPORATION LTD\$	2x520 = 1040.00	505.83	3071.34
3	CAPTIVE POWER PLANTS	0 = 0.00	0.00	0.00
GAS/NAPHTHA/DIESEL				
1	JEGURUPADU (GAS)	2x45.8+1x48.9+1x75.5 = 216.82	82.37	963.61
2	GVK EXTENSION(GAS)	1x145+1x75 = 220.00	0.00	102.60
3	SPECTRUM (GAS)	1x46.8+2x46.1+1x68.88 = 208.31	87.45	885.71
4	LANCO (GAS)	2x115+1x125 = 351.49	99.95	786.94
5	ISOLATED GAS WELL (GAS) (LVS)	27.04 = 27.04	0.00	110.03
6	RELIANCE ENERGY LTD. (GAS)	1x140+1x80 = 220.00	0.00	0.00
7	VEMAGIRI POWER GENERATION LTD.(GAS)	1x233+1x137 = 370.00	0.00	736.49
8	GAUTAMI CCPP	2x145 + 1x174 = 464.00	0.00	0.00
9	KONASEEMA CCPP	145.9911+140.0899+165 = 444.08	0.00	0.00
10	GMR (BARG)	237 = 237.00	0.00	0.00
WIND / SOLAR / OTHERS				
1	WINDMILL	1397.89 = 1397.89	141.52	3415.65
2	SOLAR (Cuddapah, Ananthpur, MehboobNagar,Chittoor)	695.49 = 695.49	150.80	842.74
3	RCL	41 = 41.00	0.00	46.00
4	BAGASSE+BIOMASS+WASTE BASED PP+CO-GENERATION (NC)	304.05 = 304.05	214.71	1296.97
5	MINI POWER PLANTS	78.79 = 78.79	0.00	292.94
	TOTAL	7421.60	1632.42	17693.55
	TOTAL ANDHRA PRADESH	13876.360	4379.06	48274.86

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-17	From 01-04-16 To 31-03-2017	
HYDRO					
1	SRISAILAM LBPH	6x150 = 900.00	43.42	686.75	
2	N'SAGAR	1x110+7x100.8 = 815.60	12.54	173.97	
3	NSR LT.CANAL.P.H	2x30 = 60.00	0.00	0.00	
4	NIZAMSAGAR	2x5 = 10.00	3.46	9.62	
5	POCHAMPAD	4x9 = 36.00	9.21	88.67	
6	SINGUR	2x7.5 = 15.00	1.67	14.93	
7	JURALA	6x39 = 234.00	0.00	213.18	
8	MINI HYDEL	13.36 = 13.36	0.00	21.48	
	TOTAL	2083.96	70.29	1208.60	
THERMAL					
COAL					
1	RAMAGUNDAM-B	1x62.5 = 62.50	43.43	454.85	
2	KOTHAGUDEM-A	4x60 = 240.00	152.46	1461.07	
3	KOTHAGUDEM-B	2x120 = 240.00	140.25	1293.46	
4	KOTHAGUDEM-C	2x120 = 240.00	127.44	1212.23	
5	KOTHAGUDEM-D	2x250 = 500.00	362.88	3322.15	
6	KOTHAGUDEM ST VI	1x500 = 500.00	357.65	3521.09	
7	KAKATIYA ST1&ST2	1x500+1x600 = 1100.00	702.44	6740.88	
8	SINGARENI TPS	2x600 = 1200.00	727.25	3624.34	
	TOTAL	4082.50	2613.81	21630.07	
WIND/SOLAR					
1	SOLAR JURALA	1 = 1.00	0.00	0.00	
	TOTAL	1.00	0.00	0.00	
IPP					
HYDRO					
1	MINI HYDRO	0 = 0.00	31.39	283.62	
COAL					
2	CAPTIVE POWER PLANTS	0 = 0.00	10.00	136.00	
WIND / SOLAR / OTHERS					
1	SOLAR	616.65 = 616.65	168.27	1057.52	
2	BAGASSE+BIOMASS+WASTE BASED PP+CO-GENERATION (NC)	233.7 = 233.70	21.00	372.86	
3	WIND	77.7 = 77.70	14.53	182.41	
	TOTAL	850.35	245.20	2032.42	
	TOTAL TELANGANA	7017.810	2929.30	26893.22	

**KARNATAKA**

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-17	From 01-04-16 To 31-03-2017
HYDRO				
1	SHARAVATHI	10x103.5 = 1035.00	518.88	2741.14
2	LINGANAMAKKI.P.H.	2x27.5 = 55.00	19.10	106.24
3	JOG (MGHES)	4x21.6+4x13.2 = 139.20	22.40	289.05
4	NAGJHERI	1x135+5x150 = 885.00	285.99	1399.19
5	SUPA	2x50 = 100.00	55.96	257.50
6	VARAHI	4x115 = 460.00	79.86	754.79
7	BHADRA POWER HOUSE	1x7+2x12.1+1x2+6 = 39.20	2.76	32.27
8	SIVANSAMUDRAM	6x3+4x6 = 42.00	0.59	156.23
9	SHIMSHA	2x8.6 = 17.20	0.00	38.45
10	MUNIRABAD	1x10 + 3x9 = 28.00	0.00	41.64
11	T.B.DAM SHARE (20 %)	8x9(20%) = 14.40	0.00	23.23
12	GHATAPRABHA	2x16 = 32.00	0.00	44.42
13	MANI DAM.P.H.	2x4.5 = 9.00	2.32	18.16
14	MINI HYDRO	1.4+0.35+2.7 = 4.45	0.00	0.00
15	MALLAPUR	2x4.5 = 9.00	0.00	0.00
16	KADRA	3x50 = 150.00	23.98	191.60
17	KODASALLI	3x40 = 120.00	29.97	164.20
18	SHARAVATHI TAIL RACE	4x60 = 240.00	48.41	260.92
19	ALMATTI	1x15+5x55 = 290.00	0.39	352.82
	TOTAL	3669.45	1090.63	6871.85
THERMAL				
COAL				
1	RAICHUR.T.PS.	7x210 +1x250 = 1720.00	1140.72	11433.78
2	BELLARY TPS	2x 500+1x700 = 1700.00	303.01	6315.38
3	YERAMARAS TPS	1x800\$ = 800.00	0.00	0.00
	TOTAL	4220.00	1443.73	17749.15
GAS/NAPTHA/DIESEL				
1	YELEHANKA (DIESEL)	6x21.32 = 127.92	146.74	178.93
	TOTAL	127.92	146.74	178.93
WIND				
1	KAPPATAGUDDA	4.55 = 4.55	0.36	5.97
2	SOLAR	25.00 = 25.00	3.19	30.33
	TOTAL	29.55	3.55	36.30

<b>IPP</b>					
<b>HYDRO</b>					
1	MINI HYDEL	702.66	=	702.66	0.00
<b>COAL</b>					
1	UPCL(THERMAL)	2x600	=	1200.00	564.49
2	JINDAL (COAL & COREX)	2x130+4x300	=	1460.00	459.05
<b>GAS/NAPHTHA/DIESEL</b>					
1	TATA ELECTRIC (DIESEL)	5x16.26	=	81.30	0.00
2	RAYAL SEEMA ALKALIES (DIESEL)	3x12	=	27.80	0.00
3	I T P L (DIESEL)	9	=	9.00	0.00
<b>WIND / SOLAR / OTHERS</b>					
1	WIND MILL & SOLAR	2922.57	=	2922.57	0.00
2	CO-GENERATION+Biomass	1041.16	=	1041.16	378.71
3	SOLAR	146	=	146.00	0.00
	<b>TOTAL</b>			<b>7590.49</b>	<b>1402.25</b>
	<b>TOTAL KARNATAKA</b>			<b>15637.410</b>	<b>4086.90</b>
					<b>38857.66</b>

## KERALA

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION			
			Mar-17	From 01-04-16 To 31-03-2017		
HYDRO						
1	KUTTIADI + EXTENTION + ADDL. EXTN.	3x25 + 50 +50+50	=	225.00	48.93	441.24
2	SHOLAYAR	3x18	=	54.00	23.35	159.92
3	PORINGALKUTHU	4x8	=	32.00	4.38	99.37
4	PORIG. L. BANK	16	=	16.00	8.81	89.50
5	PALLIVASAL	3x7.5+3x5	=	37.50	16.46	158.50
6	SENGULAM	4x12	=	48.00	10.38	112.27
7	PANNIAR	2x16	=	32.00	0.54	58.81
8	NERIAMANGALAM + EXTENSION	3x17.5 +25	=	77.50	7.60	190.11
9	SABARIGIRI	1x60 + 4x55	=	280.00	93.57	736.91
10	IDUKKI	3x130+3x130	=	780.00	153.04	1306.17
11	IDAMALAYAR	2x37.5	=	75.00	25.19	159.56
12	KALLADA	2x7.5	=	15.00	3.02	44.42
13	PEPPARA	3	=	3.00	0.19	3.33
14	MADUPETTY	2	=	2.00	0.61	2.30
15	MALAMPUZHA	1x2.5	=	2.50	0.00	0.21
16	L.PERIYAR	3x60	=	180.00	8.94	300.45
17	KAKKAD	2x25	=	50.00	13.51	122.20
18	CHEMBUKADAVU	1x2.7+1x3.75	=	6.45	0.00	8.60
19	URUMI	1 x 3.75 + 1 x 2.4	=	6.15	0.00	8.86
20	MALANKARA	3 x 3.5	=	10.50	2.29	23.62
21	LOWER MEENMUTTY	2x1.5 + 1x0.5	=	3.50	0.04	2.42
22	KUTTIADI TAIL RACE	3 x 1.25	=	3.75	0.74	6.06
23	POOZHITHODE	3 x 1.60	=	4.80	0.00	10.37
24	RANIPERUNADU	2 x 2	=	4.00	0.50	5.52
25	VILANGAD	3x2.5	=	7.50	0.00	10.80
26	PEECHI	1 x 1.25	=	1.25	0.00	3.71
	TOTAL			1957.40	422.10	4065.23
GAS/NAPTHA/DIESEL						
1	BRAHMAPURAM DGPP (DIESEL)*	3x21.32	=	63.96	0.04	5.53
2	KOZHICODE DPP (DIESEL)*	6x16	=	96.00	0.75	37.42
	TOTAL			159.96	0.79	42.95
WIND						
1	WIND MILL+Solar	2.025+1	=	3.03	0.50	5.09
	TOTAL			3.03	0.50	5.09
IPP						
HYDRO						
1	MANIYAR	3x4	=	12.00	1.68	20.50
2	KUTHUNGAL	3x7	=	21.00	0.29	13.88
3	ULLUNGAL	2x3.5	=	7.00	1.20	11.98
4	IRUTTUKANAM	1x3	=	3.00	0.39	19.45
5	KARIKKAYAM	3 x 3.5	=	10.50	2.05	17.69
6	MEENVALLAM	1 x 2.5	=	2.50	0.10	5.54
GAS/NAPTHA/DIESEL						
1	RGCCPP,KAYAMKULAM (KSEB) - NTPC	2x116.6(GT)+1x126.38(ST)	=	359.58	0.00	15.40
2	BSES (NAPTHA)	3x40.5(GT)+1x35.5(ST)	=	157.00	0.00	0.00
3	KASARGODE (DIESEL)	3x7.31	=	21.93	0.00	0.00
4	MPS STEEL CASTINGS	1x10	=	10.00	0.00	0.00
WIND/OTHERS						
						0
1	AGALI+RAMAKKELMEDU	18.6+14.25	=	32.85	2.69	50.70
2	solar	12	=	12.00	2.40	15.92
3	PCBL Co-Generation	10	=	10.00	3.89	29.88
	TOTAL			659.36	14.69	200.94
	TOTAL KERALA			2779.750	438.08	4314.21

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-17	From 01-04-16 To 31-03-2017	
HYDRO					
1	PYKARA	3x6.65+1x11+2x14 = 58.95	0.00	1.02	
2	PYKARA MICRO	1x2 = 2.00	0.31	2.52	
3	PYKARA ULTIMATE (PUSHEP)	3x50 = 150.00	12.56	149.07	
4	MOYAR	3x12 = 36.00	3.59	41.20	
5	MARAVAKANDI	1x0.75 = 0.75	0.00	82.83	
6	KUNDAH-I	3x20 = 60.00	10.56	97.19	
7	KUNDAH-II	5x35 = 175.00	27.32	172.85	
8	KUNDAH-III	3x60 = 180.00	13.45	173.64	
9	KUNDAH-IV	2x50 = 100.00	1.05	225.24	
10	KUNDAH-V	2x20 = 40.00	6.83	124.64	
11	SURULIYAR	1x35 = 35.00	3.76	38.79	
12	KADAMPARAI	4x100 = 400.00	33.08	91.47	
13	ALIYAR	1x60 = 60.00	4.44	52.78	
14	POONACHI	1x2 = 2.00	0.00	195.69	
15	METTUR DAM	4x12.5 = 50.00	0.50	41.75	
16	METTUR TUNNEL	4x50 = 200.00	0.00	0.62	

**TAMILNADU**

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION	
			Mar-17	From 01-04-16 To 31-03-2017
17	LOWER METTUR BARRIAGE - 1 TO 4	8x15 = 120.00	0.00	154.18
18	BHAVANISAGAR MICRO	4x2 = 8.00	0.49	24.70
19	PERIYAR	4x35 = 140.00	0.00	19.12
20	VAIGAI	2x3 = 6.00	0.00	6.52
21	PAPANASAM	4x8 = 32.00	2.94	110.31
22	SERVALAR	1x20 = 20.00	0.37	4.15
23	SARKARAPATHY	1x30 = 30.00	0.00	51.60
24	SHOLAYAR	2x35+25 = 95.00	12.89	63.71
25	KODAYAR	1x60+1x40 = 100.00	3.44	270.38
26	LOWER BHAVANISAGAR	2x4 = 8.00	0.00	73.73
27	SATHANUR DAM PH	1x7.5 = 7.50	0.00	25.56
28	KUNDAH-VI (Parson Valley)	1x30 = 30.00	0.00	8.64
29	MICRO TOTAL	0.70+1.95+2.5+4+1.3+5.25 = 15.70	0.00	0.96
30	BHAVANI KATTALAI BARRAGE - I & II	4x15 = 60.00	0.17	2.08
	<b>TOTAL</b>	<b>2221.90</b>	<b>137.09</b>	<b>2264.58</b>

**THERMAL**
**COAL/LIGNITE**

2	ENNORE.T.P.S	2x60+3x110 = 450.00	0.00	167.58
3	TUTUCORIN.T.P.S	5x210 = 1050.00	385.06	4767.50
4	METTUR.T.P.S	4x210 + 1x600 = 1440.00	948.46	8234.42
5	NORTH CHENNAI T.P.S	3x210 + 2x600 = 1830.00	1077.06	8780.62
	<b>TOTAL</b>	<b>4770.00</b>	<b>2410.58</b>	<b>21950.12</b>

**GAS/NAPHTHA/DIESEL**

1	BASIN BRIDGE (NAPHTHA)	4x30 = 120.00	0.43	7.12
2	KOVIL KALAPPAL (GAS)	1x70+1x37.88 = 107.88	22.98	286.32
3	VALATHUR (GAS) STG1	1x60+1x35 = 95.00	58.89	562.41
4	VALATHUR (GAS) STG2	1 x 60 + 1 x 32 = 92.00	44.00	260.44
5	KUTTALAM (GAS)	1x64+1x37 = 101.00	31.39	370.13
	<b>TOTAL</b>	<b>515.88</b>	<b>157.69</b>	<b>1486.42</b>

**WIND / SOLAR**

1	TNEB WIND MILL	17.465 = 17.47	0.00	34.56
	<b>TOTAL</b>	<b>17.47</b>	<b>0.00</b>	<b>34.56</b>

**IPP**
**LIGNITE/THERMAL**

1	NEYVELI-I (TN) - NLC	6x50+3x100 = 600.00	367.64	3137.15
2	ST - CMS	250 = 250.00	113.19	821.55

**GAS/NAPHTHA/DIESEL**

1	GMR POWER (DIESEL)	4x49 = 196.00	0.00	0.00
2	SAMALPATTY (DIESEL)	7x15.1 = 105.66	0.00	0.00
3	MADURAI POWER CL (DIESEL)	106 = 106.00	0.00	10.93
4	P P NALLUR (NAPHTHA)	330.5 = 330.50	0.00	178.37
5	ABAN POWER (GAS)	74.41+38.81 = 113.20	36.35	427.61
6	ARKEY ENERGY(PENNA)(GAS)	1x38 + 2x6.8 + 1x20 = 52.80	29.71	398.09

**WIND / SOLAR / OTHERS**

1	WIND MILL *	7598.690 = 7598.69	245.02	11689.11
2	SOLAR	1100.412 = 1100.41	222.26	1576.22
3	CO-GENERATION	659.40 = 659.40	793.688	6244.51
4	BIO-MASS & CPP	177.4 = 177.40		
	<b>TOTAL</b>	<b>11290.06</b>	<b>1807.85</b>	<b>24483.52</b>
	<b>TOTAL TAMIL NADU</b>	<b>18815.31</b>	<b>4513.21</b>	<b>50219.19</b>

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-17	From 01-04-16 To 31-03-2017
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

<b>GAS/NAPTHA/DIESEL</b>				
1	LANCO KONDAPPILLI POWER LTD. ST2&ST3	233 + 133+2*(233 + 133) = 1098.00	99.95	726.50
2	SIMHAPURI ENERGY PVT LTD	4 x 150 = 600.00	0.00	1430.75
3	MEENAKSHI ENERGY PVT LTD	2 x 150 = 300.00	74.61	1118.88
4	COASTAL ENERGY	2x600 = 1200.00	253.69	3480.83
5	TPCIL	2x660 = 1320.00	473.45	7532.88
6	IL&FS	2x600 = 1200.00	362.38	3103.54
7	SGPL\$	1x660\$ = 660.00	0.00	0.00
	<b>TOTAL</b>	<b>6378.00</b>	<b>1264.08</b>	<b>17393.38</b>
	<b>TOTAL IPP UNDER OPEN ACCESS</b>	<b>6378.00</b>	<b>1264.08</b>	<b>17393.38</b>

### CENTRAL SECTOR

SL.NO.	STATION	EFFECTIVE INSTALLED CAPACITY (MW)	ENERGY GENERATION		
			Mar-17	From 01-04-16 To 31-03-2017	
<b>THERMAL</b>					
<b>COAL</b>					
1	RAMAGUNDAM T.P.S (ISGS) - NTPC	3x200+4x500	= 2600	1843.09	16672.52
2	TALCHER STAGE II (ISGS) - NTPC	4x500	= 2000	1386.35	12785.90
3	SIMHADRI STAGE - II - NTPC	2x500	= 1000	625.05	6194.20
4	VALLUR TPS - NTPC	3x500	= 1500	950.53	8132.02
5	NTPL	2X500	= 1000	563.21	5618.45
<b>LIGNITE</b>					
6	NEYVELI-II (ISGS) - NLC	7x210	= 1470	1047.04	9450.97
7	NEYVELI TPS-I (Expansion) (ISGS) - NLC	2x210	= 420	313.10	2960.96
8	NEYVELI TPS-II (Expansion) (ISGS) - NLC	2 x 250	= 500	76.29	1130.51
	TOTAL		10490.00	6804.65	62945.54
<b>NUCLEAR</b>					
9	M.A.P.S KALPAKAM (ISGS) - NPC	2x220	= 440.00	251.30	2806.25
10	KAIGA A.P.S (ISGS) - NPC	4x220	= 880.00	571.67	5553.95
11	KUDANKULAM A.P.S (ISGS) - NPC	2x1000 \$	= 2000.00	12.61	7238.74
	TOTAL		3320.00	835.57	15598.94
<b>SOLAR</b>					
12	RAMANGUNDAM	10.000	= 10.00	0.00	1.24
	TOTAL		10.00	0.00	1.24
	TOTAL CENTRAL SECTOR		13820.00	7640.22	86067.25
	GRAND TOTAL		78357.14	25250.85	291161.25

\$ - UNITS SYNCHRONISED SUCCESSFULLY BUT YET TO DECLARE COD

\*KDPP,BDPP 2 UNITS EACH DECOMMISSIONED

\*\*RE data updated in May-16



**V) RESERVOIR PARTICULARS**

NAME OF RESERVOIR	STORAGE						INFLOWS
	MODL (M)	FRL (M)	LEVEL (M)		ENERGY (M <sup>3</sup> /s)		
			As on 1st	As on 31st	As on 1st	As on 31st	
JALAPUT	818.39	833.59	831.94	830.00	298.00	230.00	25.28
LINGANMAKKI	522.70	543.82	541.46	537.30	1470.00	924.00	6.47
SUPA	485.00	543.70	541.25	536.51	1422.00	1162.00	2.64
IDUKKI	684.90	712.20	710.89	708.26	687.00	559.00	26.51
KAKKI	908.30	965.13	963.22	958.05	403.00	319.00	14.24
NELGIRIS	---	0	0	0.00	445.00	384.00	12.21

**VI) BRIEF DESCRIPTION OF GRID DISTURBANCES:-**

S.NO.	ELEMENT NAME	Date Of tripping	Time of Tripping	Date of Restoration	Time of Restoration	Category	Generation/Load Loss	Brief details
1	Complete outage of 220kV Kalamassery Substation.	08-Mar-17	11:36	08-Mar-17	11:57	GD-1	load loss : 400 MW	Incident has occurred due to operational error at 220kV substation. Operator had accidentally closed the bus #2 isolator of the already earthed 110/66kV, 63 MVA transformer #2 while isolating 110kV bus #1 for attending works on isolator of 220/110kV No.2 transformer, thereby causing a dead three phase short circuit formed on 110kV bus. This resulted in flashing of one stack of the bus II isolator of 110/66kV transformer #2. The fault was cleared by the operation of over current relays of all 220/110kV transformers at Kalamassery end. All the 66 kV feeders and 110kV feeders were also tripped by feeder protection at Kalamassery end resulted in the total supply failure at 220kV substation Kalamassery and its feeding area. Bus bar protection scheme is not available for 110kV bus at Kalamassery. Fault cleared in 1000ms as observed from PMU data plots
2	Complete outage of 220kV Malaparamba, Arecode, Kanhirode, Thalipparambu, Mylatty substations.	29-Mar-17	12:57	29-Mar-17	13:09	GD-1	load loss : 350 MW	220kV Madakathara-Malaparamba line tripped on a R-phase to earth fault. 220kV Madakathara-Arecode tripped due to over-loading. This further led to loss of supply to 220kV Malaparamba, Arecode, Kanhirode, Thalipparambu, Mylatty substations. Fault cleared in 400ms as observed from PMU data plots

**VII) BRIEF DESCRIPTION OF GRID INCIDENTS:-**

S.NO.	ELEMENT NAME	Date Of tripping	Time of Tripping	Date of Restoration	Time of Restoration	Category	Generation/Load Loss	Brief details
1	Multiple Tripping at 220kV N'Sagar (Talapalli) Substation of APTRANSCO	07-Mar-17	16:02	07-Mar-17	16:30	GI-1	----	Suspected mal-operation of LBB relay of 400/200kV N'Sagar ICT#3 at 220kV N'Sagar end resulted in bus-2 and bus-4 bus bar protection operation at 220kV N'Sagar end. All elements connected to bus-2 and 4 got tripped including 400/200kV N'Sagar ICT#1 and 400/200kV N'Sagar ICT#3
2	Tripping of 220kV lines and Units at Sharavathy Generating Station of KPCL	16-Mar-17	12:45	16-Mar-17	12:57	GI-1	Gen loss : 384 MW	220kV East wing bus bar protection operated due to operational error. Without isolating the trip positive the emergency trip pulse was extended during testing. 220kV Sharavathy-Talaguppa-1, Sharavathy-Talaguppa-3, Sharavathy-Balligavi & Sharavathy-Sirsi-1 lines and 4 Nos (2 to 5) generator units and sectionalizer breaker were connected to East north bus
3	Multiple Tripping at 220kV Ghanapur (Hyderabad) Substation of TSTRANSCO	16-Mar-17	20:28	16-Mar-17	21:00	GI-1	----	Bus bar protection got operated during the failure of B-ph LA in 220kV Ghanapur-Chandrayangutta-1 and Y-ph LA in 220kV Ghanapur-Chandrayangutta-2. Suspected maloperation of bus bar protection for a through fault.
4	Tripping of running unit of RTPS U#4 , 400kV RTPS BTPS, and 400kV RTPS Munirabad line	16-Mar-17	01:18	16-Mar-17	03:14	GI-1	Gen loss : 190 MW	400kV RTPS-YTPS, 400kV RTPS Munirabad and Unit#4 RTPS tripped due to bus-2 bus bar protection at 400kV RTPS. Suspected maloperation of bus bar protection for a through fault.
5	Multiple Tripping at 220kV Vizag Switching Station (VSS) of APTRANSCO	27-Mar-17	10:16	27-Mar-17	10:27	GI-1	----	Y-B fault was in 220kV VSS Gangavaram line. However bus-2 bus bar protection operated at 220kV VSS end, resulting in the tripping of all the elements connected to bus-2 including 400/220kV ICT#1 at Vizag. Suspected maloperation of bus bar protection for a through fault.

**VIII) DETAILS OF CAPACITORS INSTALLED (All figures in MVAR) :-**

STATE	Installed as on 31.03.2016	Additional Requirement During 2016-17	Actual Addition During 2016-17 upto 31.12.16	Balance
APTRANSCO	1440.80	239.80	0.00	239.80
TSTRANSCO	1686.00	115.20	0.00	100.80
KPTCL	4484.32	56.31	0.00	56.31
KSEB	1025.20	10.00	0.00	10.00
TNEB	3592.81	51.00	2.40	48.60
PUDUCHERY	77.02	16.80	0.00	16.80
TOTAL	12305.95	489.11	2.40	486.71

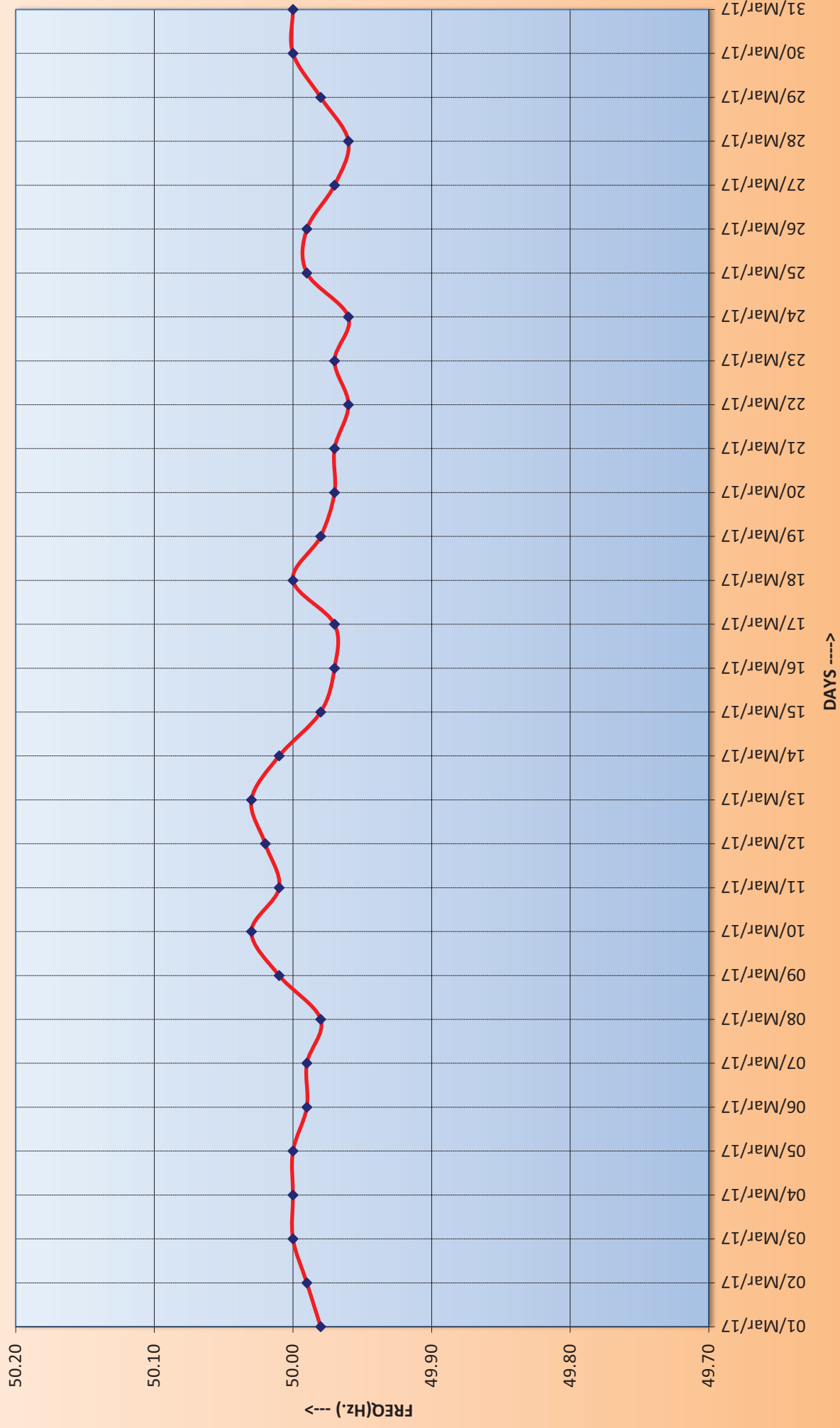
**NET DRAWAL SCHEDULE AND ACTUAL DRAWAL FOR THE MONTH OF March 2017**

	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-17	12.56	14.23	76.91	77.41	78.95	81.30	57.90	60.16	156.15	152.70	7.02	6.53
02-Mar-17	23.17	26.47	77.92	79.74	80.87	82.40	56.67	58.84	153.79	148.98	6.92	6.54
03-Mar-17	22.84	26.71	80.35	79.31	83.35	85.67	58.75	60.61	162.59	161.57	7.12	6.72
04-Mar-17	23.16	26.31	77.57	76.03	85.40	88.23	56.94	58.12	159.51	157.38	6.87	6.71
05-Mar-17	24.94	27.13	77.67	77.68	78.14	80.12	53.35	54.85	154.27	150.45	6.41	6.03
06-Mar-17	14.77	17.36	78.61	78.61	72.03	72.73	50.16	51.84	151.47	149.19	6.83	6.68
07-Mar-17	10.87	12.49	82.73	83.02	70.82	72.49	52.46	54.12	160.39	158.63	7.20	7.02
08-Mar-17	10.76	11.67	84.80	85.37	72.75	73.85	53.28	55.20	165.61	166.09	7.47	6.24
09-Mar-17	11.24	13.65	93.00	93.35	73.65	76.13	53.60	55.49	164.25	162.22	7.72	7.20
10-Mar-17	13.17	11.74	90.00	90.95	75.39	77.19	54.91	56.54	163.87	162.26	7.56	7.24
11-Mar-17	15.58	19.92	87.73	88.54	75.72	78.61	54.19	55.94	158.57	156.68	7.40	7.01
12-Mar-17	27.80	30.51	86.63	85.91	78.70	82.24	54.57	56.01	154.35	151.77	6.87	6.22
13-Mar-17	26.09	28.16	79.44	77.91	76.61	80.37	56.33	58.19	156.50	155.88	6.71	6.29
14-Mar-17	16.61	17.84	94.18	93.76	77.22	80.69	56.58	58.68	153.80	152.71	7.16	6.81
15-Mar-17	18.39	19.99	98.45	98.66	76.55	78.48	53.48	55.37	151.31	149.04	7.46	7.10
16-Mar-17	19.32	23.73	84.77	85.86	77.79	79.18	50.54	52.60	157.74	156.97	7.17	6.80
17-Mar-17	17.94	15.80	87.15	87.27	81.48	85.61	50.10	52.34	160.82	160.04	7.18	7.00
18-Mar-17	23.68	26.63	85.84	86.07	78.06	82.96	54.24	56.05	160.22	160.83	7.30	6.95
19-Mar-17	26.20	28.29	74.59	74.42	75.08	77.88	52.64	54.46	153.81	153.16	6.80	6.57
20-Mar-17	22.32	23.80	81.49	81.80	76.96	80.94	53.47	55.77	152.74	153.25	6.95	6.88
21-Mar-17	21.64	23.74	83.22	83.56	83.08	87.27	54.88	57.13	157.29	159.89	7.34	7.37
22-Mar-17	18.87	20.23	83.42	83.81	82.00	87.43	55.56	57.53	169.33	170.60	7.64	7.33
23-Mar-17	12.94	13.53	84.85	85.79	82.92	86.52	54.07	55.95	175.94	176.25	7.59	7.31
24-Mar-17	14.91	16.43	87.89	87.71	80.26	82.87	54.40	56.25	170.42	167.42	7.49	7.30
25-Mar-17	18.40	22.93	85.55	86.80	83.62	87.55	54.37	56.45	155.19	158.76	7.45	7.13
26-Mar-17	21.88	24.23	83.05	83.15	80.78	85.48	52.82	53.77	147.10	147.49	7.00	6.74
27-Mar-17	22.41	21.83	83.40	84.40	93.65	87.12	55.14	57.02	165.08	165.59	7.52	7.00
28-Mar-17	22.23	26.63	87.12	88.70	94.44	99.43	53.41	55.26	171.29	169.97	7.66	7.30
29-Mar-17	18.10	21.36	83.94	82.42	93.56	97.52	52.78	54.57	164.83	163.36	7.78	7.30
30-Mar-17	15.39	18.27	85.27	91.18	95.89	99.62	51.91	53.68	170.09	174.12	7.59	7.33
31-Mar-17	16.23	17.90	89.80	94.34	93.47	97.31	52.94	55.03	171.21	168.54	7.69	7.35
TOTAL	584.41	649.51	2617.34	2633.53	2509.19	2595.19	1676.44	1733.82	4969.53	4941.79	224.87	214.00

## FREQUENCY PROFILE FOR March 2017

	MAX	MIN	AVG	<49.9	49.9-50.05	>50.05	FVI	STD_DEV
01-Mar-17	50.21	49.80	49.98	12.08	77.43	10.49	0.04	0.06
02-Mar-17	50.22	49.81	49.99	6.74	81.94	11.32	0.03	0.06
03-Mar-17	50.20	49.78	50.00	7.01	77.85	15.14	0.03	0.06
04-Mar-17	50.19	49.80	50.00	8.26	77.92	13.82	0.03	0.06
05-Mar-17	50.34	49.79	50.00	7.15	76.94	15.91	0.04	0.06
06-Mar-17	50.16	49.75	49.99	8.82	77.36	13.82	0.04	0.06
07-Mar-17	50.19	49.78	49.99	6.95	78.81	14.24	0.03	0.06
08-Mar-17	50.29	49.73	49.98	15.41	74.73	9.86	0.05	0.07
09-Mar-17	50.22	49.83	50.01	5.21	79.23	15.56	0.03	0.05
10-Mar-17	50.20	49.78	50.03	1.81	69.44	28.75	0.04	0.06
11-Mar-17	50.21	49.80	50.01	6.18	69.44	24.38	0.04	0.06
12-Mar-17	50.20	49.83	50.02	3.26	70.28	26.46	0.04	0.06
13-Mar-17	50.34	49.86	50.03	0.90	68.19	30.91	0.04	0.05
14-Mar-17	50.20	49.74	50.01	7.78	69.23	22.99	0.04	0.07
15-Mar-17	50.18	49.74	49.98	11.18	79.31	9.51	0.04	0.06
16-Mar-17	50.14	49.74	49.97	15.42	74.51	10.07	0.05	0.07
17-Mar-17	50.17	49.77	49.97	18.33	73.54	8.13	0.05	0.06
18-Mar-17	50.19	49.81	50.00	6.04	78.54	15.42	0.03	0.06
19-Mar-17	50.18	49.75	49.98	11.53	78.47	10.00	0.04	0.06
20-Mar-17	50.21	49.73	49.97	17.57	72.22	10.21	0.05	0.07
21-Mar-17	50.23	49.75	49.97	19.86	70.14	10.00	0.06	0.07
22-Mar-17	50.16	49.71	49.96	20.90	70.14	8.96	0.06	0.07
23-Mar-17	50.25	49.77	49.97	22.50	66.73	10.77	0.07	0.07
24-Mar-17	50.23	49.75	49.96	23.33	68.82	7.85	0.06	0.07
25-Mar-17	50.19	49.75	49.99	9.31	77.08	13.61	0.04	0.06
26-Mar-17	50.22	49.78	49.99	11.04	77.02	11.94	0.04	0.06
27-Mar-17	50.24	49.66	49.97	20.07	71.32	8.61	0.06	0.07
28-Mar-17	50.16	49.73	49.96	22.29	69.72	7.99	0.06	0.07
29-Mar-17	50.25	49.76	49.98	13.26	75.35	11.39	0.05	0.07
30-Mar-17	50.20	49.74	50.00	6.05	74.16	19.79	0.04	0.06
31-Mar-17	50.22	49.71	50.00	11.11	68.61	20.28	0.05	0.07
AVERAGE	50.21	49.77	49.99	4.59	72.22	23.20	0.04	0.06
MAX	50.34	05-03-2017				23-03-2017	0.07	0.07
MIN	27-03-2017	49.66				02-03-2017	0.03	0.05

## FREQUENCY PROFILE FOR March 2017









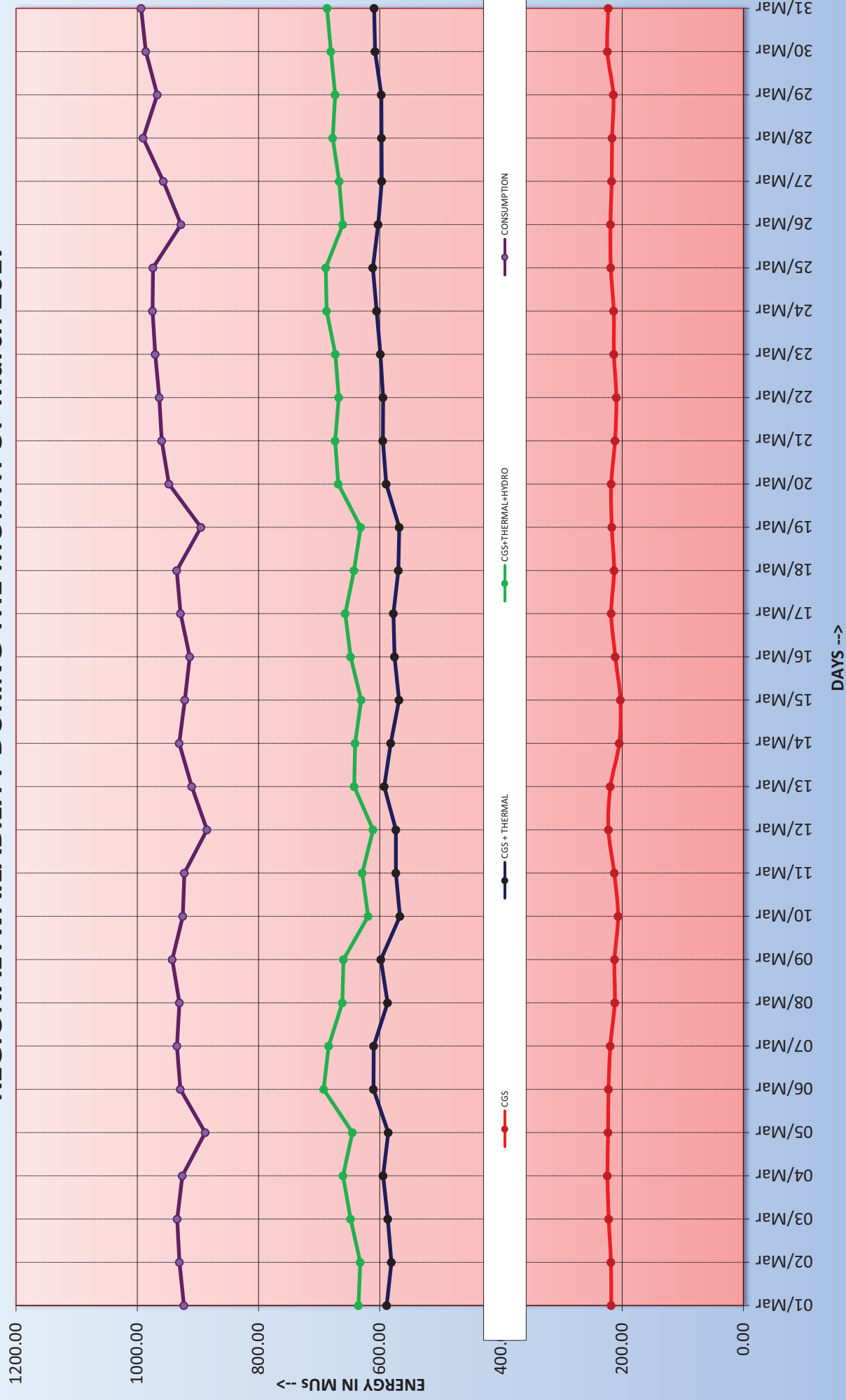
**MAX DEMAND FOR THE MONTH OF March 2017**

DATE	ANDHRA	TELANGANA	KARNATAKA	KERALA	TAMILNADU	PONDY	S.R
	DEMAND	DEMAND	DEMAND	DEMAND	DEMAND	DEMAND	DEMAND
01-Mar-17	7358	8632	9523	3613	13343	323	40625
02-Mar-17	7354	8555	9656	3616	13692	321	41678
03-Mar-17	7350	8736	9867	3601	13350	331	42277
04-Mar-17	6463	8565	10000	3238	13483	322	40807
05-Mar-17	7235	8624	9396	3359	12044	285	38595
06-Mar-17	7661	9003	9844	3361	13542	326	39129
07-Mar-17	7585	8869	9756	3398	13957	331	39846
08-Mar-17	7350	8897	9664	3507	13442	346	38775
09-Mar-17	7576	8794	9531	3426	13821	343	38821
10-Mar-17	7089	8793	9688	3477	13530	342	38604
11-Mar-17	7118	8358	9693	3462	13370	325	39214
12-Mar-17	7030	8304	9182	3323	12123	288	37986
13-Mar-17	7194	8474	9672	3568	13252	332	39381
14-Mar-17	7103	8887	9541	3514	13535	335	40025
15-Mar-17	7289	8741	9600	3212	13624	333	39813
16-Mar-17	7193	8427	9482	3461	13878	318	39380
17-Mar-17	7196	8381	9623	3593	14135	331	39652
18-Mar-17	7339	8358	9651	3460	13976	335	39875
19-Mar-17	6957	8125	9210	3402	12672	300	38361
20-Mar-17	7200	8705	9887	3615	14572	339	39870
21-Mar-17	7456	8650	9647	3477	14334	348	40650
22-Mar-17	5511	8715	9963	3685	14497	344	41408
23-Mar-17	7378	8872	10004	3711	14206	350	40535
24-Mar-17	7441	9051	9884	3710	14440	337	41167
25-Mar-17	7387	8765	9984	3727	14005	337	41273
26-Mar-17	7387	8424	9664	3535	13348	304	38826
27-Mar-17	7532	8855	10165	3805	14122	334	40853
28-Mar-17	7500	8914	10122	3749	14442	340	41157
29-Mar-17	7392	8411	9774	3792	14584	343	39951
30-Mar-17	7467	8879	9772	3719	14311	336	41301
31-Mar-17	5768	9191	10170	3858	14259	337	41131
AVG	7189	8676	9730	3548	13738	330	40031
MAX	7661	9191	10170	3858	14584	350	42277
MIN	5511	8125	9182	3212	12044	285	37986

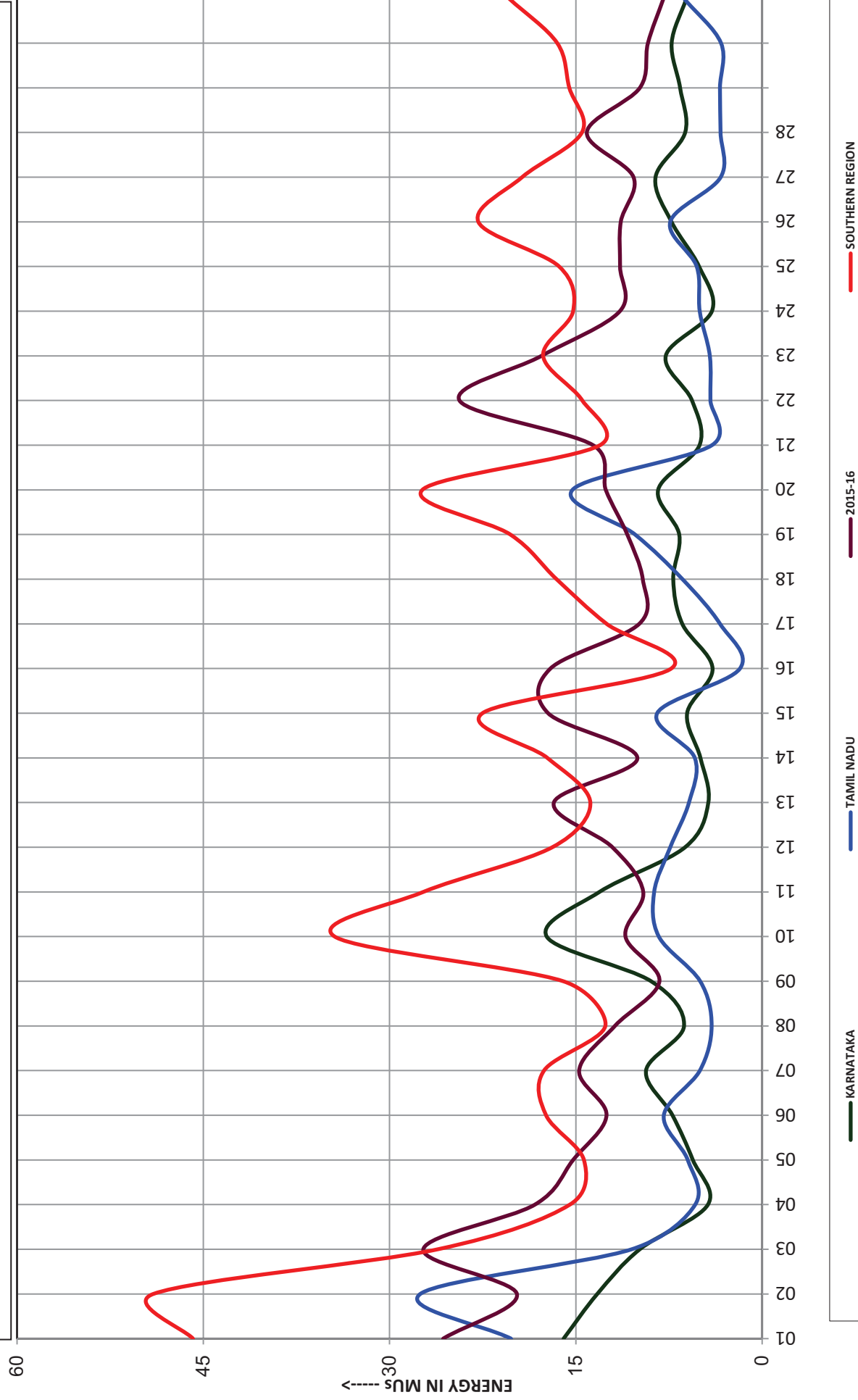
**CONSUMPTION FOR THE MONTH OF March 2017**

DATE	ANDHRA	TELANGANA	KARNATAKA	KERALA	TAMILNADU	PONDY	S.R
	CONSMPT	CONSMPT	CONSMPT	CONSMPT	CONSMPT	CONSMPT	CONSMPT
01-Mar-17	160.64	176.76	215.46	70.38	293.39	6.53	923.16
02-Mar-17	160.80	177.67	218.71	70.31	296.34	6.54	930.37
03-Mar-17	160.81	177.43	221.85	71.04	296.08	6.72	933.93
04-Mar-17	161.81	175.02	224.54	68.15	289.24	6.71	925.47
05-Mar-17	161.03	175.20	211.43	63.26	270.99	6.03	887.94
06-Mar-17	167.41	180.49	217.77	66.71	289.92	6.68	928.98
07-Mar-17	164.09	180.62	214.26	68.80	299.67	7.02	934.46
08-Mar-17	162.24	179.47	212.48	68.97	300.98	6.24	930.38
09-Mar-17	166.23	181.25	217.34	69.53	300.58	7.20	942.13
10-Mar-17	157.21	180.26	214.38	69.37	296.49	7.24	924.95
11-Mar-17	156.91	174.84	216.81	68.11	298.56	7.01	922.24
12-Mar-17	158.50	168.57	209.33	63.39	278.94	6.22	884.95
13-Mar-17	161.43	168.39	215.28	68.49	290.38	6.29	910.26
14-Mar-17	160.20	177.37	216.98	70.04	299.24	6.81	930.64
15-Mar-17	162.03	179.52	210.73	67.26	294.88	7.10	921.52
16-Mar-17	164.95	170.57	205.01	66.38	299.81	6.80	913.52
17-Mar-17	158.55	171.54	215.33	68.22	307.77	7.00	928.41
18-Mar-17	163.07	173.60	215.13	69.05	307.03	6.95	934.83
19-Mar-17	159.07	169.89	206.38	64.14	288.82	6.57	894.87
20-Mar-17	163.79	176.97	218.75	71.17	310.11	6.88	947.67
21-Mar-17	166.73	179.97	220.98	70.99	313.69	7.37	959.73
22-Mar-17	166.13	181.37	220.96	71.86	316.20	7.33	963.85
23-Mar-17	166.08	183.16	223.72	73.60	316.51	7.31	970.38
24-Mar-17	168.82	183.85	224.65	74.09	316.01	7.30	974.72
25-Mar-17	167.30	184.02	224.86	74.01	316.55	7.13	973.87
26-Mar-17	163.81	178.28	213.51	68.13	297.39	6.74	927.86
27-Mar-17	163.45	182.92	216.50	74.31	312.81	7.00	956.99
28-Mar-17	168.65	186.05	229.20	75.70	323.39	7.30	990.29
29-Mar-17	165.11	178.68	217.99	75.81	322.09	7.30	966.98
30-Mar-17	166.98	189.79	219.35	75.85	326.56	7.33	985.86
31-Mar-17	165.93	194.76	227.92	75.31	322.32	7.35	993.59
AVG	163	179	217	70	303	7	939
MAX	169	195	229	76	327	7	994
MIN	157	168	205	63	271	6	885
TOTAL	5059.76	5538.28	6737.59	2172.43	9392.74	214.00	29114.80

# REGIONAL AVAILABILITY DURING THE MONTH OF March 2017

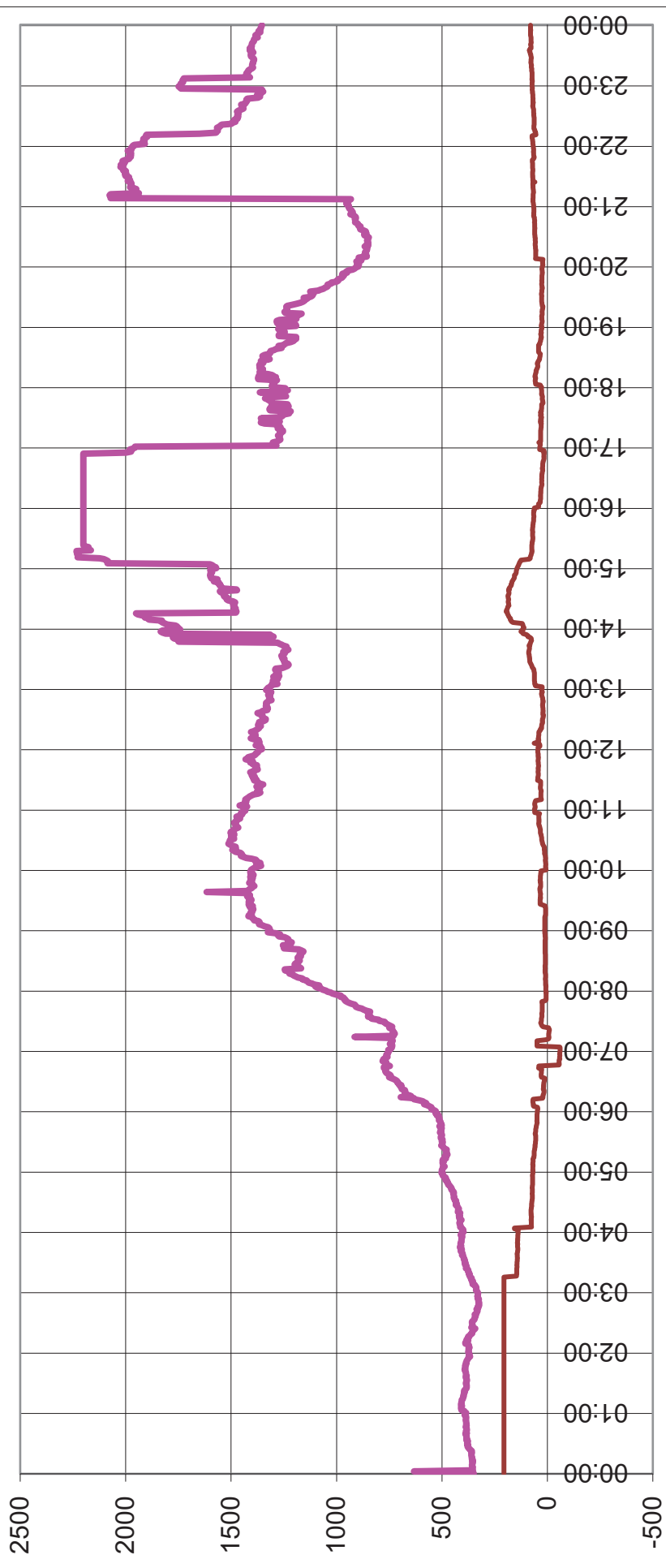


# DAY WISE WIND GENERATION OF SR FROM 01-March-2017 to 31-March-2017 in Mus



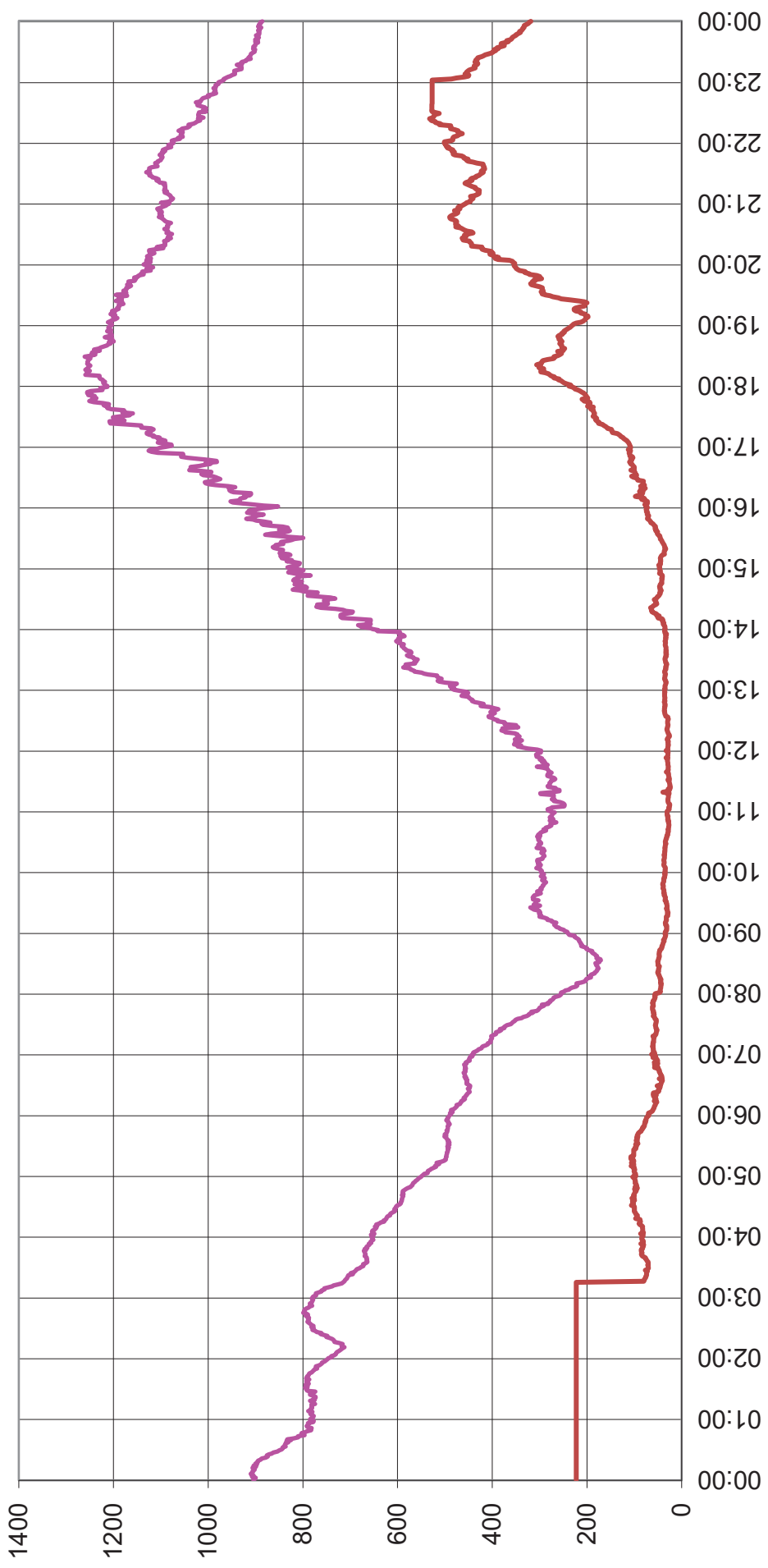
# TAMIL NADU WIND GENERATION ON MAXIMUM AND MINIMUM GENERATION DAYS

Maximum 27.529 MU on 02-03-2017/ Minimum 1.786 MU on 16-03-2017



# KARNATAKA WIND GENERATION ON MAXIMUM AND MINIMUM GENERATION DAYS

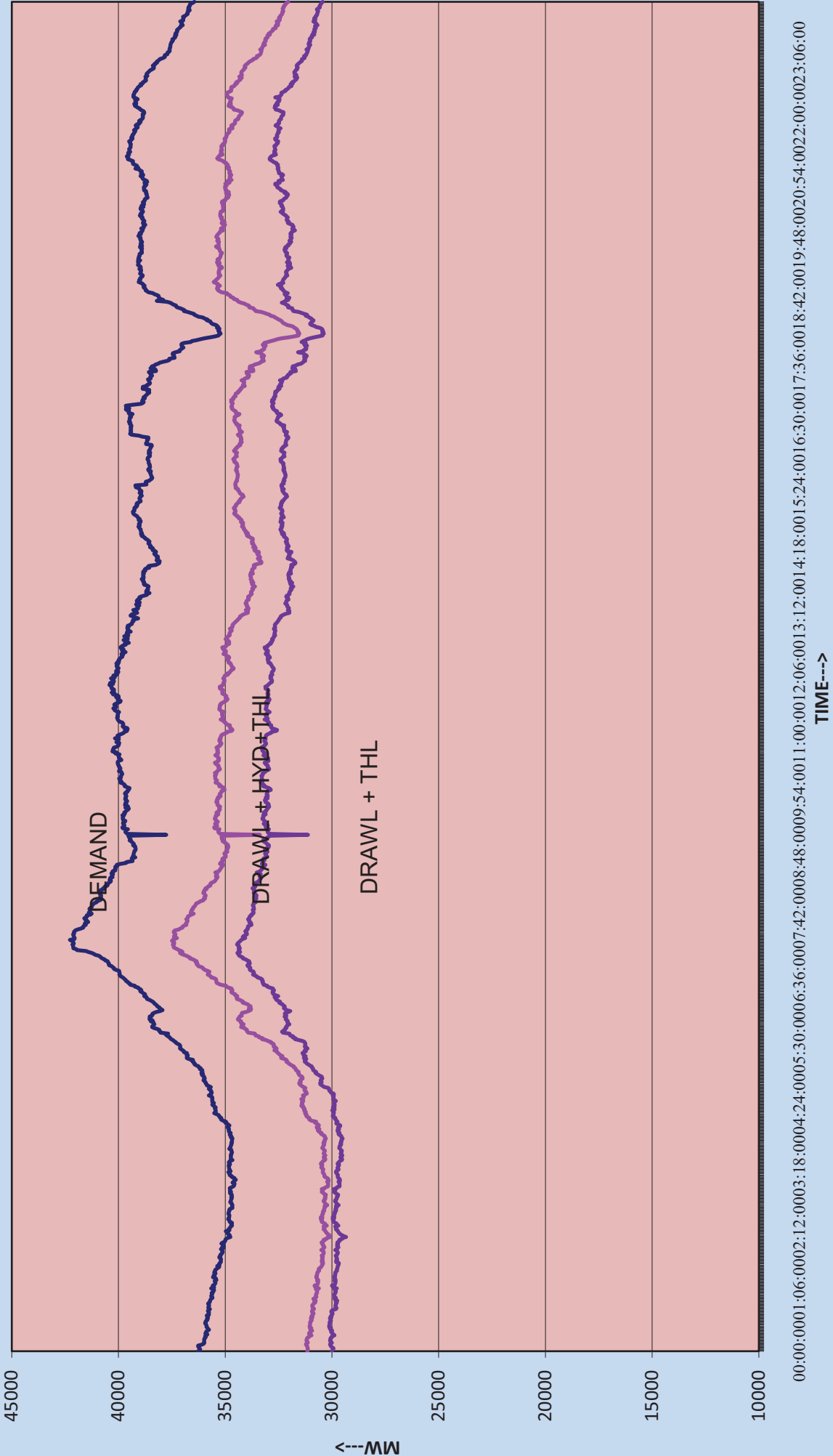
Maximum 17.347248 MU on 10-03-2017/ Minimum 3.992067 MU on 16-03-2017





REGIONAL GENERATION AND DEMAND FOR PEAK DEMAND DAY 03-03-2017

MAX	DMD	42277	MIN	DMD	34503
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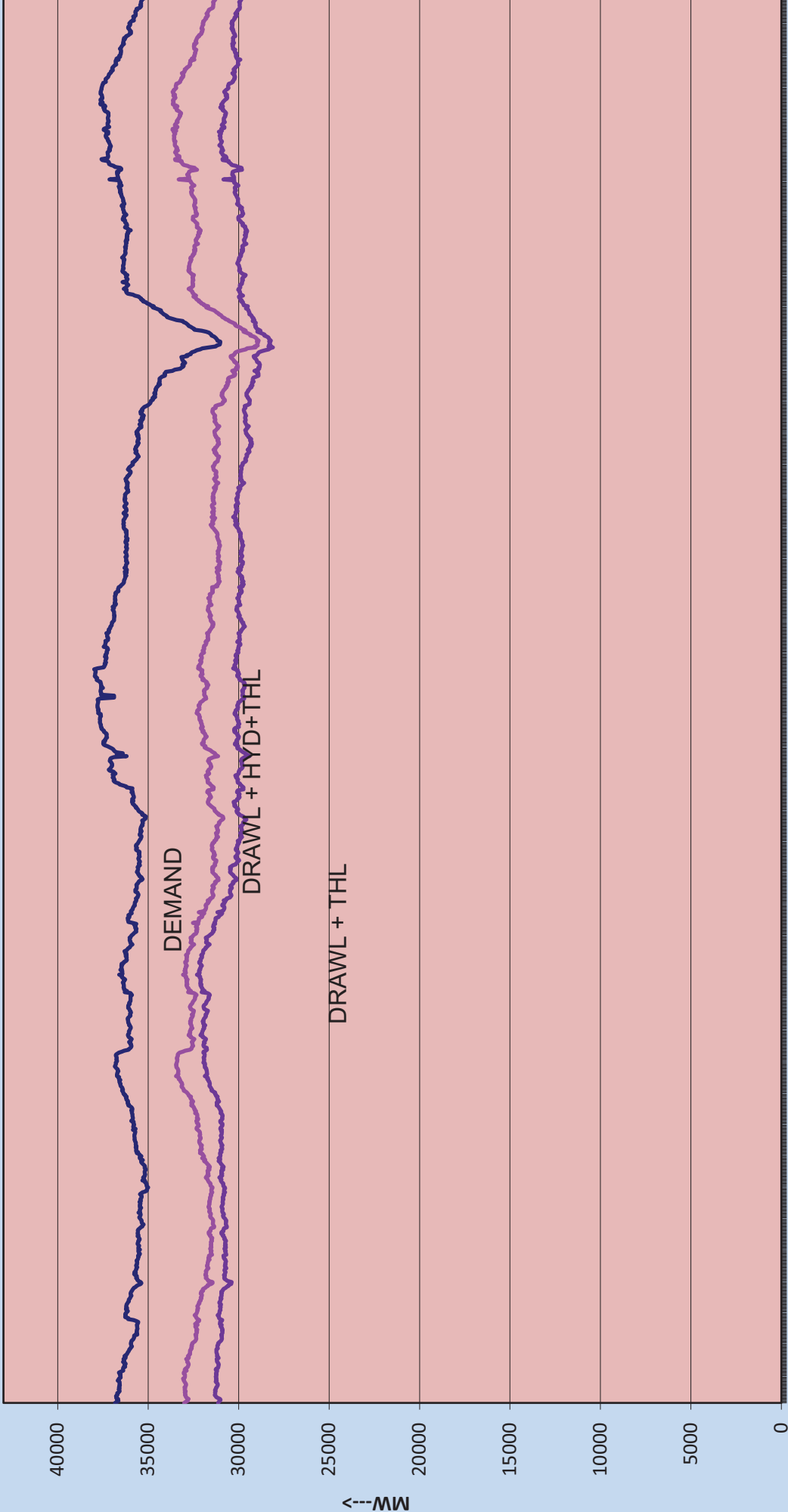
Drawl+THL+HYD

Drawl+THL

DEMAND

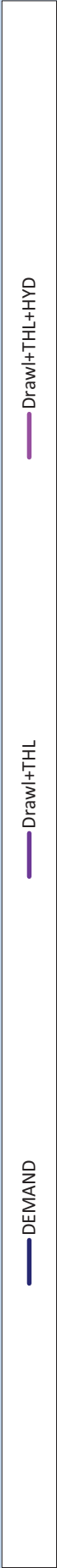
REGIONAL GENERATION AND DEMAND FOR MIN DEMAND DAY 12-03-2017

MAX	DMD	37986	MIN	DMD	31017
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00:00:0001:06:0002:12:0003:18:0004:24:0005:30:0006:36:0007:42:0008:48:0009:54:0011:00:0012:06:0013:12:0014:18:0015:24:0016:30:0017:36:0018:42:0019:48:0020:54:0022:00:0023:06:00

TIME-->



## INTER STATE & INTER REGIONAL LINE FLOWS FOR Mar-17

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	1062.72	2341
2	765KV RCR-KRNL I&II	KURNOOL	-281.55	672	0.00	-31
3	765KV KRNL-TVLM I&II	KURNOOL	0.00	0	344.77	980
4	765KV KRNL-NLR I&II	KURNOOL	-166.20	591	0.90	113
5	765KV NLR-TVLM I&II	NELLORE	0.00	0	600.71	1064
6	765KV KDG-KLPR I&II	KOLHAPUR	-13.77	269	107.29	526
7	HVDC TAL-KLR	TALCHER	-0.01	1	1200.14	2470
8	HVDC GAJUWAKA	GAJUWAKA	0.00	0	435.73	687
9	RGDM-CHNDPR	BHADRAVATHY(W	0.00	0	679.58	996
10	220KV UPSL-BLML	UPPER SELERU	-0.01	0	0.01	0
11	400KV KLR-SMNL	KOLAR	0.00	0	172.20	387
12	400KV KLR-HDY I&II	KOLAR	0.00	0	843.66	1599
13	400KV SMNL-HSR	SOMANAHALLI	-43.82	299	12.73	226
14	400KV KLR-TVLM	KOLAR	-315.91	704	0.00	-187
15	400KV KLR-HSR I&II	KOLAR	-1.24	191	444.62	1255
16	400KV UDPT-PKD I&II	PALAKKAD	-655.40	1168	0.00	-483
17	400KV TRNL-TVM I&II	TIRNELVELI	0.00	0	254.16	455
18	400KV RCR-MBNR	RAICHUR	-0.24	60	112.64	368
19	400KV KLR-CDP	KOLAR	-318.73	667	0.00	1
20	400KV GTY-SMNL	GOOTY	0.00	0	340.82	602
21	400KV GTY-RCR I&II	GOOTY	-540.66	1095	0.00	-440
22	400KV GTY-NLM	GOOTY	0.00	0	452.49	807
23	400KV NLR-SPDR I&II	NELLORE	0.00	0	486.43	885
24	400KV CTR-TVLM I&II	THIRUVELAM	-306.62	834	2.41	331
25	400KV GTY-MDGR I&II	GOOTY	0.00	0	0.00	0
26	400KV MYS-KZH I&II	MYSORE	0.00	0	384.30	762
27	220KV TND-SDM	TANDUR	-6.01	109	18.18	96
28	220KV RGPD-ALPR	RAGULAPADU	-0.06	16	20.03	91
29	220KV SLPT-GMPD	SULURPET	-0.11	21	19.79	144
30	220KV CTR-TVLM	CHITTOOR	-1.11	137	35.99	181
31	220KV KDKL-KMPT	KANYAMPETTA	-31.04	94	0.00	-8
32	220KV HSR-YHL	HOSUR	0.00	0	30.50	55
33	220KV UDPT-IDUK	IDUKKI	-52.67	141	0.00	5
34	220KV TNI-MZR	MOOZHIYAR	-21.22	100	1.02	41
35	220KV TRNL-EDMN	EDAMAN	-327.62	634	0.00	-281
36	110KV MNJR-KNJ	MANJESWAR	-10.96	20	0.00	0
37	110KV KZR-PAR	PARSSALA	-7.37	24	0.00	0
38	400KV AP-TS IS	AP	-186.17	822	2.58	216
39	220KV AP-TS IS	AP	-287.20	780	0.00	-62
40	132KV AP-TS IS	AP	-53.78	165	0.10	24
41	765kV Angul-Srikakulam 1 & 2	Angul	0.00	0	377.19	818
42	765kV Wardha-Nizamabad 1& 2	Srikakulam	0.00	0	14.18	522

Review of Progress of Works on Ongoing / New Generation Schemes in Southern Region			
Sl. No	Station	Capacity (MW)	Progress / Status
<b>Name of the State : Andhra &amp; Telangana</b>			
<b>A</b>	<b>Hydro (State) :</b>		
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>B (a)</b>	<b>Thermal (State) :</b>		
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 (b)</b>	<b>Thermal (Joint Venture) :</b>		
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>B (c)</b>	<b>Thermal (Private) :</b>		
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 12.03.16
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 →Synchronised on 26.05.16 , Unit 2 → 2015-16
<b>C</b>	<b>Nuclear (State JV) :</b>		
	Kadappa Nuclear Power Plant	2x1000=2000	2014-16 (To be tied up)
<b>D (a)</b>	<b>Gas Based (State) :</b>		
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
<b>D (b)</b>	<b>Gas Based (Private) :</b>		
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	Cod declared
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
14	RVK, Jegurupadu, EG Dist	76+120 + (2x120) + 50	
13	Thamminapatnam (K.Patnam PCL), Nellore	1320 + 660	March - 2015
<b>E</b>	<b>Renewable Energy Sources (RES) :</b>		
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	
<b>F</b>	<b>Wind (Private) :</b>		
	Wind Energy ( W )	1228.90	114.97 MW commissioned 250.00 MW to be commissioned
<b>G</b>	<b>Mini Power Plants :</b>		
	Mini Power Plants	516.51	74.31 MW commissioned 521.00 MW to be commissioned
<b>H (a)</b>	<b>Solar (State) :</b>		
1	P. Jurala HEP	1.00	
<b>H (b)</b>	<b>Solar Power Project (Private) :</b>	752.68	
<b>Name of the State : Karnataka</b>			
<b>A</b>	<b>Hydro (State) :</b>		

Sl. No	Station	Capacity (MW)	Progress / Status
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, Survey, 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 Bhimgad 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>B (a)</b>	<b>Thermal (State) :</b>		
2	Bellary TPS, Stage I, Unit - 3 (Super Critical)	700	U#3 SYNCHRONIZED
3	RTPS Stg - II : a) Yermarus TPS	2 x 800 = 1600	Unit 1&2 synchronized
	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 (b)</b>	<b>Thermal (Private) :</b>		
1	Annechakanahalli Phase I	1000	12th Plan
2	Kalgurki Phase I	1000	12th Plan
3	Yadagiri Phase I	1000	12th Plan
<b>C</b>	<b>Gas Based (State) :</b>		
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.
<b>D</b>	<b>Solar (State) :</b>		
1	Solar Photo Voltaic Power Plants at Belakavadi, Near Shivasamudram	5	Plant commissioned on 25.06.2012 and connected to the Grid
<b>E</b>	<b>Wind (Joint Venture) :</b>		
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
<b>Name of the State : Tamil Nadu</b>			
	<b>Hydro (State) :</b>		
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 (Nelliathoral Lower Bhavani)	2 x 5 = 10	Expected by 2014-15
	Bhavani Barrage II (Nelliathoral 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

Sl. No	Station	Capacity (MW)	Progress / Status
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>B (a)</b>	<b>Thermal (State) :</b>		
1	North Chennai TPS Stage -II	2x600	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 old TPS	1x660=660	2017-18
8	Ennore (SEZ) TPS at Kattupalli	2x 600=1200	2015 - 16
<b>B (b)</b>	<b>Thermal (Private) :</b>		
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>B (c)</b>	<b>Thermal (Joint Venture) :</b>		
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 - COD Declared
4	NLC-TNEB at Tuticorin	2x500=1000	Unit I & 2 COD Declared
<b>C</b>	<b>Gas Based (State) :</b>		
1	Basin Bridge Closed loop conversion (120 MW to 220 MW)	100	Subject to availability of gas
<b>D</b>	<b>Non Conventional Energy Sources (NCES) :</b>		
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
<b>2</b>	<b>Wind</b>	300	129.59MW commissioned, Balance underprogress
3	Bio-Mass	10	2014-15
4	Solar	1000	2014-15
<b>E</b>	<b>Tariff Based Competitive Bidding Route :</b>		
1	Uppur TPP, Tiruvadanai at Ramanathapuram District	2x800 = 1600	2016-17
2	Utharakosamangai TPP at Ramanathapuram District	2x800 = 1600	2016-17
	<b>Name of the State : Kerala</b>		
	<b>State (Hydro) :</b>		
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>B</b>	<b>Augumentation :</b>		
		NIL	
<b>C</b>	<b>IPP (Hydro) :</b>		
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
<b>I</b>	<b>Central Sector (Thermal) :</b>		
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 Synchronized : Unit 2 : Mar-2016
	Kudgi STPS, Bijapur(ST-2),NTPC	2x800=1600	Expected during 13th plan
2	Jayamkondam Lignite (NLC)	1600	12th Plan
<b>3</b>	<b>Neyveli TS-III (NLC)</b>	<b>1000</b>	<b>12th Plan</b>
4	Sirkali TPP	3x660=1980	From GoI approval Unit 1 :52 months Unit 2 : 58 months Unit 3: 64 months (PPA has been signed)
<b>II</b>	<b>Central Sector (Nuclear) :</b>		
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: Synchronised with grid'
<b>III</b>	<b>Central Sector (Gas Based) :</b>		
	Kayamkulam CCPP Module 1 to 3 (NTPC)	1050/1950	12th Plan. Gas supply by 2014



# Voltage Deviation Index for Mar-17

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*N oOfdays))	Max	Min
1	ARASUR	0.00	0.00	0.00	0.00	412	383
2	BIDADI	0.05	0.42	0.47	0.00	421	377
3	BHADRAVATHI	0.00	0.00	0.00	0.00	413	413
4	CUDDPAH	0.00	0.00	0.00	0.00	419	392
5	GAZUWAKA	0.00	0.00	0.00	0.00	406	390
6	GHANAPUR	5.63	0.00	5.63	0.01	422	387
7	GOOTY	61.02	0.00	61.02	0.08	428	400
8	HASAN	2.52	0.13	2.65	0.00	428	379
9	HIRIYUR	3.11	0.00	3.11	0.00	426	392
10	HOSUR	0.00	0.00	0.00	0.00	411	381
11	KAIGA	16.25	0.00	16.25	0.02	428	391
12	KARAIKUDI	172.07	0.00	172.07	0.23	431	390
13	KUDANKULAM	0.00	0.50	0.50	0.00	420	410
14	KHAMMAM	14.88	0.00	14.88	0.02	423	395
15	KALIVINDAPATTU	0.00	0.00	0.00	0.00	418	392
16	KOCHI	0.00	0.00	0.00	0.00	419	381
17	LANCO	7.37	5.02	12.38	0.02	425	361
18	MADURAI	0.00	0.00	0.00	0.00	419	394
19	MEPL	0.00	0.00	0.00	0.00	416	397
20	MUNIRABAD	0.00	0.55	0.55	0.00	412	378
21	MYSORE	5.32	0.78	6.10	0.01	431	373
22	NELLORE	0.00	0.00	0.00	0.00	413	394
23	NELLORE PS	0.00	0.00	0.00	0.00	417	387
24	NYVELI ST2	0.00	0.00	0.00	0.00	412	399
25	NYVELI 1 EXP	0.00	0.00	0.00	0.00	411	399
26	NYVELI 2 EXP	0.00	0.00	0.00	0.00	414	400
27	NARENDRA	13.17	0.00	13.17	0.02	429	392
28	NAGARJUNASAGAR	2.29	0.00	2.29	0.00	422	396
29	NUNNA	330.71	0.00	330.71	0.44	433	403
30	PALAKKAD	0.00	0.05	0.05	0.00	416	374
31	PONDY	0.00	0.00	0.00	0.00	412	396
32	PUGULUR	66.55	0.00	66.55	0.09	454	400
33	RAMAGUNDAM	0.00	0.00	0.00	0.00	418	395
34	SALEM	0.00	0.00	0.00	0.00	418	391
35	SEPL	0.00	0.00	0.00	0.00	416	397
36	SIMHADRI ST2	0.00	0.00	0.00	0.00	406	391
37	SRIPERAMBUDUR	0.00	0.00	0.00	0.00	415	394
38	TALRC	0.00	0.00	0.00	0.00	410	399
39	TRICHUR	0.00	0.65	0.65	0.00	416	378
40	TRICHY	0.00	0.00	0.00	0.00	413	390
41	TIRUNELVELI	0.00	0.00	0.00	0.00	418	383
42	TRIVENDAM	0.00	0.00	0.00	0.00	416	390
43	UDUMALPET	67.67	0.00	67.67	0.09	426	393
44	VALLUR	0.00	0.00	0.00	0.00	411	398
45	WARANGAL	0.05	0.00	0.05	0.00	421	395
46	YELHANKA	0.00	0.00	0.00	0.00	0	0
47	MADAKADRA	0.00	3.57	3.57	0.00	414	377
48	ALAMATHY	134.24	0.00	134.24	0.18	426	408
49	METT	0.00	0.00	0.00	0.00	416	396
50	NCTPS ST2	0.00	0.00	0.00	0.00	413	395
51	SALEM TN	0.00	0.00	0.00	0.00	400	399
52	SRIPERAMBUDUR TN	4.62	0.00	4.62	0.01	422	400
53	SVCHATRAM	0.00	0.00	0.00	0.00	405	386

54	BOOPALPALLY	185.06	0.00	185.06	0.25	420	398
55	CHITTOOR	0.00	0.00	0.00	0.00	418	397
56	DICHIPALLY	0.00	157.80	157.80	0.21	415	368
57	GAJWEL	25.41	0.00	25.41	0.03	423	393
58	GMR	0.00	0.00	0.00	0.00	410	405
59	GOUTHAMI	77.37	0.00	77.37	0.10	427	387
60	GVK	36.20	0.00	36.20	0.05	425	398
61	KONASEEMA	0.00	0.00	0.00	0.00	403	387
62	KONASEEMA	0.00	0.00	0.00	0.00	403	399
63	KTPS	0.00	0.00	0.00	0.00	419	395
64	MAHABOBNAGAR	182.35	0.00	182.35	0.25	432	399
65	MALKARAM	313.99	0.00	313.99	0.42	434	395
66	MAMIDIPALLI	29.33	0.00	29.33	0.04	424	385
67	NARNOOR	268.51	0.00	268.51	0.36	433	400
68	NELLORE AP	0.00	0.00	0.00	0.00	419	400
69	SHANKARA PALLI	102.11	0.00	102.11	0.14	426	387
70	SIMHADRI ST1	0.00	0.00	0.00	0.00	402	387
71	SRISAILAM	441.03	0.00	441.03	0.59	433	406
72	VEMAGIRI	0.00	0.00	0.00	0.00	420	393
73	VTPS	6.94	0.00	6.94	0.01	424	395
74	VTSO2	0.00	0.00	0.00	0.00	424	395
75	KRISHNAPATNAM	0.20	0.00	0.20	0.00	423	400
76	BTPS	0.00	0.00	0.00	0.00	412	392
77	GUTTUR	0.10	0.00	0.10	0.00	422	385
78	HOODY	0.00	0.00	0.00	0.00	410	410
79	JINDAL	0.00	0.00	0.00	0.00	400	400
80	NEELAMANGALA	0.18	0.20	0.38	0.00	423	379
81	RTPS	0.00	0.00	0.00	0.00	416	390
82	TALAGUPPA	0.05	0.00	0.05	0.00	420	393
83	UPCL	2.81	0.00	2.81	0.00	427	391
84	TALAC	0.00	0.00	0.00	0.00	400	400
85	SOMANAHALLI	0.00	4.03	4.03	0.01	417	375
86	COASTAL ENERGN	6.62	0.00	6.62	0.01	424	402
87	TPCIL	0.00	0.00	0.00	0.00	416	416
88	NTPL	30.85	0.00	30.85	0.04	429	405
89	TIRUVALLAM	0.00	0.00	0.00	0.00	419	398
90	KARNOOL	78.58	0.00	78.58	0.11	428	402
91	RAICHUR PG	0.62	0.00	0.62	0.00	424	401
92	SATTENAPALLI	255.13	0.00	255.13	0.34	431	399
93	KOLAR	0.00	0.00	0.00	0.00	419	387
94	TIRUVALLAM TN	0.00	0.00	0.00	0.00	417	398
95	KAYATHAR	0.00	0.00	0.00	0.00	417	388
96	TUTICORAN PS	18.45	0.00	18.45	0.02	425	403
97	ILFS	0.00	0.00	0.00	0.00	417	417
	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*N oOfdays))	Max	Min
1	NELLORE 765	0.00	0.00	0.00	0.00	800	757
2	KURNOOL 765	13.31	0.00	13.31	0.02	809	760
3	RAICHUR 765	1.63	0.00	1.63	0.00	808	753
4	TIRUVALLAM 765	61.55	0.00	61.55	0.08	807	766