

POWER SYSTEM OPERATION CORPORATION LIMITED

S.R.L.D.C, BANGALORE

QUARTERLY REPORT

Date:

19 अप्रैल 2013

For Period:

जनवरी 2013 to मार्च 2013

YEAR:2012-12/Quarter 4

Brief report on Regional Power System /Performance of the grid is given below:

1. POWER SUPPLY POSITION

a) Peak Demand Met and Unrestricted Demand

Month	State/UT	Peak Demand Met (MW)	Unrestricted Demand (MW)	Shortage (MW)	Shortage (%)
Jan-13	Andhrapradesh	11236	12217	981	8.03
	Karnataka	8458	9293	835	8.99
	Kerala	2892	3311	419	12.66
	Tamilnadu	9942	11609	1667	14.36
	Pondicherry	309	312	3	0.90
	S.Region	30543	36302	5759	15.86
Feb-13	Andhrapradesh	11148	12910	1762	13.65
	Karnataka	8761	9727	966	9.93
	Kerala	2872	3381	509	15.05
	Tamilnadu	10258	11222	964	8.59
	Pondicherry	314	316	2	0.48
	S.Region	32054	36761	4707	12.80
Mar-13	Andhrapradesh	11630	13761	2131	15.48
	Karnataka	8096	8985	889	9.90
	Kerala	3237	3407	170	4.98
	Tamilnadu	10783	12665	1882	14.86
	Pondicherry	318	320	2	0.47
	S.Region	32428	38627	6199	16.05

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jan-13	Andhrapradesh	7265	8965	1699.42	18.96
	Karnataka	5155	6026	871.04	14.45
	Kerala	1673	1766	93.14	5.27
	Tamilnadu	6648	7840	1191.94	15.20
	Pondicherry	175	175	0.49	0.28
	S.Region	20915	24771	3856.04	15.57
Feb-13	Andhrapradesh	6607	8092	1485.12	18.35
	Karnataka	4751	5587	836.20	14.97
	Kerala	1516	1624	108.79	6.70
	Tamilnadu	5943	7233	1290.37	17.84
	Pondicherry	172	173	0.87	0.51
	S.Region	18988	22710	3721.35	16.39
Mar-13	Andhrapradesh	7717	9694	1976.12	20.39
	Karnataka	5248	6381	1132.50	17.75
	Kerala	1825	1886	61.23	3.25
	Tamilnadu	6699	8299	1599.92	19.28
	Pondicherry	192	193	1.30	0.67
	S.Region	21681	26452	4771.07	18.04

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5Hz	48.5 - 49	49 - 49.7	49.7 - 50.2	>50.2
Jan-13	0.00	0.00	3.78	91.41	4.81
Feb-13	0.00	0.00	9.32	88.42	2.26
Mar-13	0.00	0.00	11.92	86.95	1.13

b) Voltage Profile

Month	Ramagundam		Hyderabad		Bangalore		Madras		Neyveli	
	Max(kV)	Min(kV)	Max(kV)	Min(kV)	Max(kV)	Min(kV)	Max(kV)	Min(kV)	Max(kV)	Min(kV)
Jan-13	419	400	431	404	420	385	420	388	413	398
Feb-13	420	403	435	407	416	383	419	393	416	395
Mar-13	419	403	433	408	419	385	419	390	415	399

3. INTER-REGIONAL EXCHANGES(PHYSICAL) in MU

Month	Bhadravati BTB		Gazuwaka BTB		Talcher-Kolar Bipole	
	Import to SR	Export from SR	Import to SR	Export from SR	Import to SR	Export from SR
Jan-13	685.19	0.00	296.76	0.00	1368.47	0.00
Feb-13	645.61	0.00	348.46	0.00	1287.79	0.00
Mar-13	606.10	0.00	368.72	0.00	1356.60	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jan-13	APTRANSCO	2323	2437	114.19
	KPTCL	920	943	23.43
	KSEB	1104	1172	67.82
	TNEB	2289	2320	31.16
	PONDY	216	175	-40.84
	GOA	64	57	-6.93
Feb-13	APTRANSCO	2109	2193	83.82
	KPTCL	777	791	13.71
	KSEB	1078	1142	63.82
	TNEB	1922	1990	67.94
	PONDY	214	172	-41.77
	GOA	56	52	-4.83
Mar-13	APTRANSCO	2316	2406	90.43
	KPTCL	747	755	7.63
	KSEB	1036	1108	72.62
	TNEB	2132	2207	75.06
	PONDY	228	192	-35.83
	GOA	67	58	-8.99

5. SUMMARY REPORT

i) IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	KERALA	PEECHI	1.500	HYDRO	16-02-2013
2	TAMIL NADU	TIRUNELVELI & UDUMALPET	3.750	WIND	28-02-2013
1	KARNATAKA (IPP)	WINDMILL (2012-2013)	237.470	WIND	31-03-2013
2	KARNATAKA (IPP)	I T P L	9.000	DIESEL	31-03-2013
3	KARNATAKA (IPP)	JINDAL	300.000	COAL & COREX	
4	TAMIL NADU (IPP)	SOLAR	2.000	SOLAR	31-03-2013
5	TAMIL NADU (IPP)	TIRUNELVELI & UDUMALPET	7.150	WIND	31-03-2013
6	TAMIL NADU (IPP)	COGENERATION & BIOMASS	30.400	BIOGASSE& COGEN	31-03-2013

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	KV	LENGTH	DATE
1	TANTRANSCO	MTPS ST. III - ARASUR 400 KV - 1	400	110.000	30-01-2013
2	TANTRANSCO	MTPS ST. III - ARASUR 400 KV - 2	400	110.000	30-01-2013
1	APTRANSCO	LILLO GACHIBOWLI - YEDDUMAILARAM AY	220	4.000	07-02-2013
2	KPTCL	JURALA (AP) - RAICHUR (KA) - 1	220	25.550	22-02-2013
3	KPTCL	JURALA (AP) - RAICHUR (KA) - 2	220	25.550	28-02-2013
1	POWERGRID	NELLORE - GOOTY - 1	400	290.000	01-04-2013
2	POWERGRID	NELLORE - GOOTY - 2	400	290.000	01-04-2013
3	POWERGRID	LILLO OF NELLORE - SEPL/MEPL - 1 AT NELLORE POOLING STATION	400		01-04-2013
4	POWERGRID	LILLO OF NELLORE - SEPL/MEPL - 2 AT NELLORE POOLING STATION	400		01-04-2013
5	APTRANSCO	CHALAKURTHY - KONDAMALEPALLY - 2	220	45.000	13-03-2013
6	APTRANSCO	LILLO OF GOOTY SWITCHING STATION TO GOOTY RS	220	1.500	30-03-2013
7	APTRANSCO	PENDURTHY DIARY - PENDURTHY SS-2	220	14.870	31-03-2013
8	APTRANSCO	VTS - MALKARAM - 2	400		

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	APTRANSCO	JURALA (ADDITION)	220/132	100	10-01-2013
2	APTRANSCO	MALYALAPALLY (AUGMENTATION)	220/132	60	26-01-2013
1	APTRANSCO	MALKARAM (ADDITION)	400/220	315	16-02-2013
2	APTRANSCO	BRANDIX (ADDITION)	220/132	50	01-02-2013
1	POWERGRID	BIDADI (ADDITION) - 2	400/220	500	01-04-2013

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	POWERGRID	GOOTY (SPARE)	BUS	80	01-01-2013
1	POWERGRID	NELLORE - GOOTY LINE - 1 AT GOOTY	LINE	63	01-04-2013
2	POWERGRID	NELLORE - GOOTY LINE - 2 AT GOOTY	LINE	63	01-04-2013

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

- i) Grid Separations NIL
- ii) Grid Disturbances NIL

(बी. सु. रे)
उपमहाप्रबंधक (प्र.से.)