

**POWER SYSTEM OPERATION CORPORATION LIMITED**

**S.R.L.D.C, BANGALORE**

**QUARTERLY REPORT**

**Date:**

21 अप्रैल 2014

**For Period:**

जनवरी 2014 to मार्च 2014

**YEAR:2013-14/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-14	Andhrapradesh	12349	12358	9	0.07
	Karnataka	9055	9747	691	7.09
	Kerala	3342	3484	142	4.07
	Tamilnadu	12799	13475	676	5.02
	Pondicherry	317	318	1	0.41
	S.Region	35024	37736	2712	7.19
Feb-14	Andhrapradesh	12671	13367	696	5.21
	Karnataka	9223	9873	650	6.58
	Kerala	3467	3541	74	2.09
	Tamilnadu	12037	12581	543	4.32
	Pondicherry	322	322	0	0.14
	S.Region	35466	36893	1428	3.87
Mar-14	Andhrapradesh	13162	13671	509	3.72
	Karnataka	9168	9559	391	4.09
	Kerala	3588	3575	-14	-0.38
	Tamilnadu	12650	12969	319	2.46
	Pondicherry	319	320	1	0.34
	S.Region	36985	37831	846	2.24

**b) Energy availability and Requirement(MU)**

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jan-14	Andhrapradesh	8094	8405	311.18	3.70
	Karnataka	5590	5945	354.96	5.97
	Kerala	1825	1847	22.29	1.21
	Tamilnadu	7645	7821	175.67	2.25
	Pondicherry	171	171	0.00	0.00
	S.Region	23324	24188	864.10	3.57
Feb-14	Andhrapradesh	7446	8034	587.20	7.31
	Karnataka	5282	5625	342.99	6.10
	Kerala	1718	1731	12.87	0.74
	Tamilnadu	7116	7446	329.96	4.43
	Pondicherry	164	163	-0.74	-0.45
	S.Region	21727	22999	1272.28	5.53
Mar-14	Andhrapradesh	8353	9066	712.53	7.86
	Karnataka	5753	6148	395.03	6.43
	Kerala	2021	2031	10.02	0.49
	Tamilnadu	8190	8640	450.24	5.21
	Pondicherry	192	192	0.13	0.07
	S.Region	24508	26076	1567.94	6.01

**2. QUALITY OF SERVICE**

**a) Frequency Profile (% time)**

Month	<48.5Hz	48.5 - 49	49 - 49.7	49.7 - 50.2	>50.2
Jan-14	0.00	0.00	1.55	92.09	6.36
Feb 14(upto 16th)	0.00	0.00	0.57	89.26	10.17
	<48.5Hz	48.5 - 49	49 - 49.9	49.9 - 50.05	>50.05
Feb 14(From 17th)	0.00	0.00	13.49	43.32	43.19
Mar-14	0.00	0.00	20.28	53.85	25.88

**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-14	420	403	428	404	417	377	423	393	412	395
Feb 14(From 17th)	418	399	425	403	406	373	421	399	411	394
Mar-14	416	398	425	399	412	376	418	394	411	395

**3. INTER-REGIONAL EXCHANGES(PHYSICAL) in MU**

Month	Bhadravati BTB		Gazuwaka BTB		Talcher-Kolar Bipole		Raichur-Sholapur Line	
	Import to SR	Export from SR	Import to SR	Export from SR	Import to SR	Export from SR	Import to SR	Export from SR
Jan-14	585.16	0.00	413.86	0.00	1207.61	0.00	9.48	-7.14
Feb 14(From 17th)	594.71	0.00	433.60	0.00	1058.92	0.00	14.70	-7.91
Mar-14	708.00	0.00	558.32	0.00	1298.39	0.00	20.15	-7.73

#### 4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jan-14	APTRANSCO	2770	2931	160.80
	KPTCL	649	672	22.92
	KSEB	848	918	70.46
	TNEB	2595	2612	16.31
	PONDY	192	171	-20.98
	GOA	60	61	1.05
Feb-14	APTRANSCO	2467	2666	198.56
	KPTCL	555	592	37.07
	KSEB	818	886	68.21
	TNEB	2436	2498	62.63
	PONDY	173	164	-8.57
	GOA	59	57	-2.22
Mar-14	APTRANSCO	2903	3027	124.60
	KPTCL	698	732	33.79
	KSEB	971	1020	49.23
	TNEB	2842	2859	17.49
	PONDY	194	192	-2.35
	GOA	65	60	-5.06

#### 5. SUMMARY REPORT

##### IMPORTANT EVENTS

##### a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	TAMIL NADU (IPP)	TIRUNELVELI & UDUMALPET	4.595	WIND	31-01-2014
2	NTECL VALLUR	VALLUR TPS - 3	500.000	THERMAL	28-02-2014
3	SEPL (IPP UNDER OPEN ACCESS)	SIMHAPURI - 3	150.000	THERMAL	26-02-2014
4	TAMIL NADU	NORTH CHENNAI ST-II UNIT -1	600.000	THERMAL	20-03-2014
5	IPP (TAMILNADU)	THIRUNELVELI & UDUMALPET	17.000	WIND	31-03-2014

##### b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	KV	LENGTH	DATE
1	POWERGRID	LILO OF BANGALORE - SALEM LINE AT HOSUR	400	24.544	01-02-2014
2	APTRANSCO	LILO OF TADIKONDA - ONGOLE LINE AT PODILI	220	142.68	09-01-2014
3	APTRANSCO	LILO OF MANUBOLU - RENIGUNTA LINE AT RACHAGUNNERI	220	1.2	03-01-2014
4	TANTRANSCO	NCTCPS STAGE - II - SUNGAVARACHATRAM - 1	400	97.6	31-01-2014
5	TANTRANSCO	NCTCPS STAGE - II - SUNGAVARACHATRAM - 2	400	65.5	31-01-2014
6	TAMIL NADU (IPP)	TIRUNELVELI & UDUMALPET	4.595	WIND	31-01-2014
7	POWERGRID	LILO OF N'SAGAR GOTTY LINE AT KURNOOL	400	71.09	31-03-2014
8	POWERGRID	CHITTOOR - THIRUVALEM - 1	400	21.002	31-03-2014
9	POWERGRID	CHITTOOR - THIRUVALEM - 2	400	21.002	31-03-2014
10	APTRANSCO	KURNOOL NEW - KURNOOL	400		31-03-2014

##### c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	POWERGRID	NELLORE 765 - 1	765/400	1500	01-02-2014
2	APTRANSCO	RACHAGUNNERI - 1	220/132	100	03-01-2014
3	TANTRANSCO	NALLAMANICKENPATTY - 1	230/1110	80	29-01-2014
4	POWERGRID	NELLORE 765 - 2	765/400	1500	01-03-2014
5	APTRANSCO	GUNROCK - 2	220/132	160	24-02-2014
6	TANTRANSCO	MYLAPORE - 1	230/33	100	26-02-2014
7	TANTRANSCO	MYLAPORE - 2	230/33	100	26-02-2014
8	TANTRANSCO	MUTHAIYAPURAM	230/110	100	19-02-2014
9	TANTRANSCO	THIRUVARUR - 2 (AUGMENTATION)	230/110	20	03-02-2014
10	POWERGRID	KURNOOL NEW -1	765/400	1500	31-03-2014
11	POWERGRID	KURNOOL NEW -2	765/400	1500	31-03-2014

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

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	POWERGRID	NELLORE	BUS	240	01-02-2014
2	POWERGRID	RAICHUR	LINE	240	01-02-2014
3	POWERGRID	KURNOOL NEW	BUS	240	31-03-2014
4	POWERGRID	THIRUVALEM	BUS	63	31-03-2014

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

i) Grid Separations NIL

ii) Grid Disturbances NIL

(वी. सुरेश)  
उपमहाप्रबंधक (प्र.से.)