

**POWER SYSTEM OPERATION CORPORATION LIMITED**

S.R.L.D.C, BANGALORE

**QUARTERLY REPORT**

**Date:**

22 अक्टूबर 2013

**For Period:**

जुलाई 2013 to सितम्बर 2013

**YEAR:2013-14/Quarter 2**

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 (%)
Jul-13	Andhrapradesh	10932	11090	158	1.43
	Karnataka	7314	8087	774	9.56
	Kerala	3024	3162	138	4.35
	Tamilnadu	11794	12094	300	2.48
	Pondicherry	324	324	0	0.14
	S.Region	31620	34505	2885	8.36
Aug-13	Andhrapradesh	11717	11717	0	0.00
	Karnataka	8256	8762	506	5.77
	Kerala	3130	3340	209	6.27
	Tamilnadu	12092	12260	168	1.37
	Pondicherry	319	319	0	0.14
	S.Region	34869	35779	910	2.54
Sep-13	Andhrapradesh	11887	11891	4	0.03
	Karnataka	7743	8184	441	5.39
	Kerala	3212	3421	209	6.12
	Tamilnadu	12218	12374	156	1.26
	Pondicherry	322	322	0	0.00
	S.Region	33960	34954	994	2.84

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

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jul-13	Andhrapradesh	6858	7599	741.48	9.76
	Karnataka	4306	4763	457.14	9.60
	Kerala	1594	1609	14.36	0.89
	Tamilnadu	7736	7952	215.95	2.72
	Pondicherry	193	194	0.84	0.44
	S.Region	20688	22118	1429.77	6.46
Aug-13	Andhrapradesh	7652	7691	38.68	0.50
	Karnataka	4617	5074	457.68	9.02
	Kerala	1679	1697	17.83	1.05
	Tamilnadu	7430	7672	241.61	3.15
	Pondicherry	187	190	3.88	2.04
	S.Region	21564	22324	759.67	3.40
Sep-13	Andhrapradesh	7489	7527	38.09	0.51
	Karnataka	4086	4543	457.25	10.06
	Kerala	1657	1674	17.68	1.06
	Tamilnadu	7312	7553	241.07	3.19
	Pondicherry	184	188	3.86	2.06
	S.Region	20728	21486	757.94	3.53

**2. QUALITY OF SERVICE**

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

Month	<48.5Hz	48.5 - 49	49 - 49.7	49.7 - 50.2	>50.2
Jul-13	0.00	0.00	2.08	88.34	9.58
Aug-13	0.00	0.00	2.60	84.36	13.04
Sep-13	0.00	0.00	3.14	86.41	10.44

**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)
Jul-13	425	409	436	410	419	382	423	387	413	384
Aug-13	422	406	433	407	422	382	424	381	418	389
Sep-13	417	399	429	398	423	381	421	378	416	390

**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
Jul-13	275.20	0.00	693.89	0.00	1257.13	0.00
Aug-13	365.04	0.00	699.71	0.00	1376.83	0.00
Sep-13	325.98	0.00	547.42	0.00	1259.09	0.00

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

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jul-13	APTRANSCO	2542	2620	77.51
	KPTCL	382	387	4.50
	KSEB	797	839	42.18
	TNEB	2390	2384	-5.73
	PONDY	213	193	-20.14
	GOA	50	43	-7.67
Aug-13	APTRANSCO	2182	2243	61.50
	KPTCL	635	623	-12.34
	KSEB	591	594	3.71
	TNEB	1996	1992	-3.97
	PONDY	192	187	-5.63
	GOA	44	41	-3.41
Sep-13	APTRANSCO	2276	2312	35.89
	KPTCL	532	521	-11.03
	KSEB	578	576	-2.62
	TNEB	2147	2198	51.29
	PONDY	193	184	-9.19
	GOA	51	48	-2.69

#### 5. SUMMARY REPORT

##### i) IMPORTANT EVENTS

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

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	IPP (TAMIL NADU)	TIRUNELVELI/UDUMALPET	13.255	WIND	31-07-2013
2	KSEB (IPP)	KARIKKAYAM	5.000	HYDRO	29-08-2013
3	KSEB (IPP)	KARIKKAYAM	5.000	HYDRO	02-09-2013

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

SL.NO.	CONSTITUENT	LINE NAME	KV	LENGTH	DATE
1	TANTRANSCO	LILLO OF KORATTUR KOYAMBEDU AT KOYAMBEDU(CMRL)	230.000	0.3	28-06-2013
2	TANTRANSCO	ARASUR 400 KV -PALLADAM	230.000	55.4	25-07-2013
3	TANTRANSCO	ELEPHANTGATE - MYLAPORE	230.000	11.94	02-10-2013

##### c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	TANTRANSCO	KOYAMBEDU (CMRL) -1	230/110	100	11-07-2013
2	TANTRANSCO	KOYAMBEDU (CMRL) -2	230/110	100	11-07-2013
3	TANTRANSCO	KAYATHAR (ADDITION) - 3	230/110	100	21-08-2013
4	TANTRANSCO	THENI (ADDITION)	230/110	100	25-09-2013

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

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
		N I L			

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

i) Grid Separations NIL

ii) Grid Disturbances NIL

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उपमहाप्रबंधक (प्र.से.)