

**POWER SYSTEM OPERATION CORPORATION LIMITED**

S.R.L.D.C, BANGALORE

QUARTERLY REPORT

**Date:**

20 जनवरी 2011

**For Period:**

अक्टूबर 10 to दिसम्बर 10

**YEAR:2010-11/Quarter 3**

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

**1. POWER SUPPLY POSITION**

**a) Peak Demand Met and Unrestricted Demand**

अक्टूबर 10 to दिसम्बर 10

Month	State/UT	Peak Demand Met (MW)	Unrestricted Demand (MW)	Shortage (MW)	Shortage (%)
Oct-10	Andhrapradesh	10428	10682	254	2.37
	Karnataka	6259	6691	432	6.46
	Kerala	2812	2839	27	0.95
	Tamilnadu	10265	11125	860	7.73
	Pondicherry	296	299	3	0.87
S.Region	29610	30907	1297	4.20	
Nov-10	Andhrapradesh	9106	9038	-68	-0.75
	Karnataka	6605	6672	67	1.00
	Kerala	2836	2824	-12	-0.43
	Tamilnadu	9376	10045	669	6.66
	Pondicherry	282	285	3	0.89
S.Region	27671	28483	812	2.85	
Dec-10	Andhrapradesh	9683	9719	36	0.37
	Karnataka	7634	7825	191	2.44
	Kerala	2930	2949	19	0.65
	Tamilnadu	9883	10540	657	6.23
	Pondicherry	277	276	-1	-0.26
S.Region	28821	30107	1286	4.27	

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

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Oct-10	Andhrapradesh	6676	6715	38.90	0.58
	Karnataka	3542	3857	315.39	8.18
	Kerala	1449	1457	8.14	0.56
	Tamilnadu	6477	6786	308.71	4.55
	Pondicherry	173	176	3.41	1.94
S.Region	18316	18991	674.56	3.55	
Nov-10	Andhrapradesh	5583	5586	2.62	0.05
	Karnataka	3297	3390	92.74	2.74
	Kerala	1407	1412	5.00	0.35
	Tamilnadu	5286	5573	287.20	5.15
	Pondicherry	150	150	0.19	0.13
S.Region	15723	16110	387.76	2.41	
Dec-10	Andhrapradesh	5952	5974	22.16	0.37
	Karnataka	4232	4291	58.96	1.37
	Kerala	1471	1479	8.27	0.56
	Tamilnadu	5726	6058	331.84	5.48
	Pondicherry	155	156	0.86	0.55
S.Region	17536	17958	422.08	2.35	

**2. QUALITY OF SERVICE**

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

Month	<48.5Hz	48.5 - 49.0	49.0 - 49.5	49.5 - 50.2	>50.3
Oct-10	0.00	0.00	0.21	92.62	7.17
Nov-10	0.00	0.03	0.61	83.56	15.80
Dec-10	0.00	0.00	0.77	89.57	9.65

**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)
Oct-10	425	402	430	400	417	383	409	360	419	400
Nov-10	421	408	434	408	425	375	418	371	424	400
Dec-10	423	403	433	398	421	373	421	376	422	398

**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
Oct-10	505.62	0.00	45.49	119.09	1454.92	0.00
Nov-10	532.35	0.00	0.87	196.10	1462.83	0.00
Dec-10	608.41	0.00	58.09	108.79	1278.63	0.00

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

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Oct-10	APTRANSCO	629	598	-30.90
	KPTCL	960	1059	98.46
	KSEB	626	706	80.00
	TNEB	2092	2136	43.71
	PONDY	183	173	-9.78
	GOA	46	49	2.86
Nov-10	APTRANSCO	452	301	-151.47
	KPTCL	852	941	89.27
	KSEB	644	693	48.93
	TNEB	2072	2290	218.23
	PONDY	175	139	-36.29
	GOA	61	52	-8.75
Dec-10	APTRANSCO	705	745	39.53
	KPTCL	737	776	39.78
	KSEB	624	716	92.49
	TNEB	2050	2173	122.90
	PONDY	171	154	-16.52
	GOA	54	49	-5.13

#### 5. SUMMARY REPORT

##### I) IMPORTANT EVENTS

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

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	IPP (KERALA)	AGALI (4 x 0.6)	2.400	WIND	10/31/2010
2	K S E B	KUTTIADI ADDL. EXTN	50.000	HYDRO	10/30/2010
3	AP	RAYALSEEMA - 5	210.000	THERMAL	11/30/2010
4	I P P (TN)	TIRUNELVELI & UDUMALPET	58.270	WIND	12/31/2010

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

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1	APTRANSCO	LILO OF VTS - NARKETPALLY LINE AT CHILLAKALLU	220	5.4	10/3/2010
2	APTRANSCO	LILO OF NANOOR-WANAPRTHY LINE AT BRAHMANAKOTKUR	220	26.34	10/29/2010
3	TNEB	LILO OF NCTPS - MOSUR LINE AT NCTPS STAGE - II PROJECT	230		9/22/2010

##### c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	APTRANSCO	DITCHPALLY (AUGMENTATION)	220/132	60	10/6/2010
2	APTRANSCO	HINDUPUR	220/132	100	10/22/2010
3	APTRANSCO	DURSHED	220/132	100	10/27/2010
4	APTRANSCO	MEHBOOBNAGAR (AUGMENTATION)	220/132	60	11/6/2010
5	TNEB	AMUTHAPURAM PR. TR. III	230/33	50	11/2/2010
6	TNEB	KODIKURCHI	230/110	100	11/2/2010
7	APTRANSCO	KADAPA (AUGMENTATION)	220/132	100	12/24/2010
8	TANTRANSCO	HOSUR	230/110	100	12/29/2010

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

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	NPC	KAIGA	BUS	63	11/27/2010

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

i) Grid Separations NIL

ii) Grid Disturbances NIL

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