

POWER SYSTEM OPERATION CORPORATION LIMITED
S.R.L.D.C, BANGALORE
QUARTERLY REPORT

Date: 21 अप्रैल 2011
For Period: जनवरी 2011 to मार्च 2011

YEAR:2010-11/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-11	Andhrapradesh	10848	10982	134	1.22
	Karnataka	7815	7891	76	0.96
	Kerala	2918	2988	70	2.34
	Tamilnadu	10103	10980	877	7.99
	Pondicherry	276	278	2	0.81
	S.Region	30710	32688	1978	6.05
Feb-11	Andhrapradesh	11232	11500	268	2.33
	Karnataka	7618	8083	465	5.75
	Kerala	2960	2970	10	0.32
	Tamilnadu	10599	11499	900	7.82
	Pondicherry	270	272	2	0.70
	S.Region	31146	33061	1915	5.79
Mar-11	Andhrapradesh	11829	11927	98	0.82
	Karnataka	7743	8427	684	8.12
	Kerala	3119	3149	30	0.94
	Tamilnadu	10789	11614	825	7.10
	Pondicherry	302	307	5	1.58
	S.Region	31927	34205	2278	6.66

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jan-11	Andhrapradesh	6747	6801	54.64	0.80
	Karnataka	4779	4902	122.53	2.50
	Kerala	1521	1545	23.80	1.54
	Tamilnadu	6323	6703	379.76	5.67
	Pondicherry	159	160	1.21	0.75
	S.Region	19529	20111	581.94	2.89
Feb-11	Andhrapradesh	6613	6759	145.91	2.16
	Karnataka	4438	4656	218.22	4.69
	Kerala	1394	1425	31.63	2.22
	Tamilnadu	6073	6474	401.04	6.19
	Pondicherry	144	146	1.84	1.26
	S.Region	18662	19461	798.63	4.10
Mar-11	Andhrapradesh	7922	8159	237.14	2.91
	Karnataka	5001	5481	480.47	8.77
	Kerala	1696	1727	30.65	1.78
	Tamilnadu	6964	7603	638.37	8.40
	Pondicherry	181	183	2.61	1.42
	S.Region	21763	23152	1389.24	6.00

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
Jan-11	0.00	0.00	1.43	95.01	3.56
Feb-11	0.00	0.07	8.33	90.69	0.92
Mar-11	0.00	0.17	19.05	80.40	0.38

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-11	420	395	429	391	413	370	420	377	419	403
Feb-11	413	395	419	388	409	371	415	373	415	399
Mar-11	412	389	416	379	410	369	419	367	417	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
Jan-11	700.78	0.00	142.61	34.85	1207.50	0.00
Feb-11	659.88	0.00	151.13	0.00	1158.65	0.00
Mar-11	733.22	0.00	268.23	9.04	1559.87	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jan-11	APTRANSCO	984	1061	76.66
	KPTCL	1046	1077	31.14
	KSEB	578	691	112.67
	TNEB	2062	2164	101.27
	PONDY	198	159	-39.01
	GOA	54	48	-5.60
Feb-11	APTRANSCO	1271	1328	56.18
	KPTCL	890	907	17.33
	KSEB	576	628	51.72
	TNEB	2003	2221	217.18
	PONDY	190	144	-46.20
	GOA	55	45	-10.36
Mar-11	APTRANSCO	1687	1744	56.79
	KPTCL	989	1039	49.18
	KSEB	548	568	19.63
	TNEB	2285	2527	241.36
	PONDY	234	181	-53.18
	GOA	57	46	-10.98

5. SUMMARY REPORT

i) IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/SGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1 *	ANDHRA PRADESH	POCHAMPAD - 4	9.00	HYDRO	12-10-2010
2 *	TAMIL NADU	PERIYAR VAIGAI MICRO	2.00	HYDEL	01-11-2010
3 *	IPP (KERALA)	IRUTTUKKANAM	3.00	HYDRO	04-11-2010
4 *	ANDHRA PRADESH	JURALA - 5	39.00	HYDRO	19-11-2010
5	NPC	KAIGA UNIT - 4	220.00	NUCLEAR	20-01-2011
6	IPP (TAMIL NADU)	TIRUNELVELI & UDUMALPET	17.00	WIND	31-01-2011
7	IPP (TAMIL NADU)	TIRUNELVELI & UDUMALPET	13.40	WIND	28-02-2011
8	IPP (KARNATAKA)	JINDAL	300.00	THERMAL	13-03-2011
9	IPP (TAMIL NADU)	TIRUNELVELI & UDUMALPET	371.85	WIND	31-03-2011
10 **	IPP (ANDHRA PRADESH)	BIOGASSE & WASTE BASED	113.85	GAS	31-03-2011
11 **	IPP (KARNATAKA)	MINY HYDEL	85.35	HYDRO	31-03-2011
12 **	IPP (KARNATAKA)	WIND & OTHERS	405.01	WIND	31-03-2011

* Data Received late from States

** Addition is for entire year (2010-2011)

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1 *	KPTCL	SHIMOGA - Kemar	1	213.00	18-05-2010
2 *	KPTCL	N R S - Anand rao Circle	1	4.10	26-05-2010
3 *	KPTCL	LILO OF MYSORE - SHIMOGA LINE AT HASSAN	1 & 2	15.00	24-06-2010
4 *	KPTCL	LILO OF HOOTAGALLI - TK HALLI LINE AT VAGAMANGALA	1	3.00	14-10-2010
5 *	KPTCL	NARENDRA 400 KV - M K HUBLI	1	34.00	27-10-2010
6 *	KPTCL	NARENDRA 400 KV - GHATAPRABHA	1	95.50	01-12-2010
7 *	KPTCL	NARENDRA 400 KV - GHATAPRABHA	2	95.50	01-12-2010
8 *	KPTCL	ANANDARAO CIRCLE- EAST DIVISION COMPOUND	1	4.00	20-12-2010
9	APTRANSCO	BRAHMANAKOTTUR - MALYALA - 1 & 2	1 & 2	21.24	06-01-2011
10	TANTRANSCO	MTPS ST III - MALCO	1	8.13	19-01-2011
11	TANTRANSCO	VALATHUR - PARAMAKUDY	1	51.80	22-01-2011
12	APTRANSCO	KOTHAGUDEM - KHAMMAM	400	67.76	07-03-2011
13	APTRANSCO	LILO OF MALKARAM - MINPUR AT GAJWEL	220	79.60	19-03-2011

* Data Received late from States

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1 *	KPTCL	A' STATION	220/66	150	28-05-2010
2 *	KPTCL	VAGAMANGALA	220/66	100	23-11-2010
3 *	KPTCL	VAGAMANGALA	220/67	100	23-11-2010
4 *	KPTCL	M K HUBLI	220/110	100	25-11-2010
5 *	KPTCL	EAST DIVISION COMPOUND	220/66	150	20-12-2010
6 *	KPTCL	EAST DIVISION COMPOUND	220/66	150	20-12-2010
7	APTRANSCO	MALYALA TR-1	220/11	31.5	06-01-2011
8	KPTCL	GHATAPRABHA	220/110	100	17-01-2011
9	APTRANSCO	SHAMSHABAD - TR - 2	220/132	100	17-01-2011
10	APTRANSCO	MEDCHAL TR - 1 (AUGMENTATION 100 TO 160)	220/132	60	31-01-2011
11	TAMIL NADU	ALAGARKOIL (ADDITION)	230/110	100	14-02-2011
12	TAMIL NADU	ORAGODOM (ADDITION)	230/110	100	16-03-2011
13	TAMIL NADU	SADAYAPALAYAM 1	230/33	50	28-03-2011
14	TAMIL NADU	SADAYAPALAYAM 2	230/33	50	28-03-2011
15	TAMIL NADU	ALUNDUR (AUMENTATION 50 TO 100)	230/110	50	30-03-2011

* Data Received late from States

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	POWERGRID	UDUMALPET	LINE	63	26-02-2011

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

i) Grid Separations NIL

ii) Grid Disturbances NIL

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