

POWER GRID CORPORATION OF INDIA LIMITED

S.R.L.D.C, BANGALORE

QUARTERLY REPORT

Date:

23 जुलाई 2010

For Period:

अप्रैल 10 to जून 10

YEAR:2010-11/Quarter 1

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 (%)
Apr-10	Andhrapradesh	10396	11467	1071	9.34
	Karnataka	6627	7399	772	10.43
	Kerala	2837	2862	25	0.88
	Tamilnadu	10012	11045	1033	9.35
	Pondicherry	281	282	1	0.29
S.Region	29266	31593	2327	7.37	
May-10	Andhrapradesh	9353	9847	494	5.02
	Karnataka	6339	7310	971	13.28
	Kerala	2930	3047	117	3.83
	Tamilnadu	10168	10241	73	0.71
	Pondicherry	282	304	22	7.34
S.Region	28567	32132	3565	11.09	
Jun-10	Andhrapradesh	9041	10218	1177	11.52
	Karnataka	5950	6511	561	8.62
	Kerala	2830	2920	90	3.08
	Tamilnadu	9928	10004	76	0.76
	Pondicherry	270	292	22	7.56
S.Region	27205	30617	3412	11.15	

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Apr-10	Andhrapradesh	6575	7478	902.94	12.07
	Karnataka	3853	4325	472.23	10.92
	Kerala	1478	1516	37.33	2.46
	Tamilnadu	6546	7268	721.95	9.93
	Pondicherry	175	189	13.81	7.32
S.Region	18627	20776	2148.26	10.34	
May-10	Andhrapradesh	6167	6674	507.02	7.60
	Karnataka	3696	4108	411.22	10.01
	Kerala	1556	1576	20.67	1.31
	Tamilnadu	6394	6812	418.68	6.15
	Pondicherry	170	177	7.07	4.00
S.Region	17983	19347	1364.67	7.05	
Jun-10	Andhrapradesh	5820	6203	383.36	6.18
	Karnataka	3314	3688	374.05	10.14
	Kerala	1354	1371	17.04	1.24
	Tamilnadu	6209	6648	439.46	6.61
	Pondicherry	163	171	8.19	4.78
S.Region	16860	18082	1222.09	6.76	

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5Hz	48.5 - 49	49 - 49.2	49.2 - 50.3	>50.3
Apr-10	0.00	2.83	7.19	89.74	0.24
May-10	0.00	0.28	0.25	93.67	5.79
Jun-10	0.00	0.83	1.04	92.21	5.92

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)
Apr-10	413	400	410	386	419	371	402	365	418	398
May-10	423	405	421	389	422	385	422	362	424	397
Jun-10	425	409	425	395	422	389	417	368	421	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
Apr-10	546.62	0.00	192.58	5.28	1602.41	0.00
May-10	401.57	8.24	193.64	5.74	1384.38	0.00
Jun-10	293.14	6.46	110.54	69.10	872.43	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Apr-10	APTRANSCO	1480	1435	-44.58
	KPTCL	798	872	74.21
	KSEB	547	544	-3.45
	TNEB	2192	2370	178.35
	PONDY	181	175	-6.62
	GOA	55	51	-4.73
May-10	APTRANSCO	1233	1212	-21.54
	KPTCL	828	976	148.27
	KSEB	577	651	74.07
	TNEB	2017	1976	-40.74
	PONDY	185	170	-14.92
	GOA	57	58	0.76
Jun-10	APTRANSCO	1118	1119	0.72
	KPTCL	698	801	103.07
	KSEB	485	552	67.07
	TNEB	1450	1557	106.77
	PONDY	174	163	-11.11
	GOA	54	51	-3.56

5. SUMMARY REPORT

i) IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	APGENCO	KAKATIYA STPP	500.000	THERMAL	27-05-2010
2	TNEB	TIRUNELVELI & UDUMALPET	24.550	WIND	01-05-2010
3	KARNATAKA	R T P S UNIT # 8	250.000	THERMAL	18-06-2010
4	KARNATAKA	U P C L	600.000	THERMAL	03-06-2010

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1	POWERGRID	LILO OF NELAMANGALA - TALAGUPPA LINE AT HASSAN	1	400	30-05-2010
2	APTRANSCO	LILO OF PULAKURTHY - RAMAPPA LINE AT NAGARAM	1	220	25-04-2010
3	POWERGRID	EDAMON-TIRUNELVELI 1 & 2 LINE (400 KV DC CHARGED ON 220 KV)	1 & 2	220	29-06-2010

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	POWERGRID	HASSAN 1 & 2	400/220	630	24-06-2010

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	POWERGRID	MUNIRABAD	BUS	63	28-04-2010
2	POWERGRID	HYDERABAD	BUS	63	29-04-2010
3	POWERGRID	KOLAR	BUS	50	29-04-2010
4	POWERGRID	HASSAN	BUS	80	30-05-2010
5	POWERGRID	UDUMALPET	BUS	63	30-06-2010

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

i) Grid Separations NIL

ii) Grid Disturbances NIL

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