

**POWER GRID CORPORATION OF INDIA LIMITED
S.R.L.D.C, BANGALORE**

QUARTERLY REPORT

Date:22.07.09

YEAR:2009-10/Quarter 1

For Period Apr 09 to Jun 09

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-09	Andhrapradesh	9934	10856	922	8.49
	Karnataka	6352	7015	663	9.45
	Kerala	2799	2870	71	2.49
	Tamilnadu	9387	10166	779	7.66
	Pondicherry	266	271	5	1.92
	S.Region	27059	29569	2510	8.49
May-09	Andhrapradesh	9062	9753	691	7.09
	Karnataka	5855	6138	283	4.60
	Kerala	2852	2891	39	1.36
	Tamilnadu	9906	10055	149	1.48
	Pondicherry	235	256	21	8.08
	S.Region	26316	28164	1848	6.56
Jun-09	Andhrapradesh	8763	9193	430	4.67
	Karnataka	5325	5588	263	4.71
	Kerala	2836	2860	24	0.83
	Tamilnadu	9897	10048	151	1.50
	Pondicherry	231	235	4	1.74
	S.Region	25784	29296	3512	11.99

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Apr-09	Andhrapradesh	200.63	227.44	26.81	11.79
	Karnataka	129.71	138.23	8.53	6.17
	Kerala	46.97	51.29	4.32	8.42
	Tamilnadu	195.92	212.33	16.40	7.73
	Pondicherry	5.28	5.53	0.25	4.61
	S.Region	578.50	634.82	56.32	8.87
May-09	Andhrapradesh	187.65	200.38	12.73	6.35
	Karnataka	110.64	117.02	6.38	5.46
	Kerala	46.84	47.45	0.61	1.28
	Tamilnadu	196.71	203.66	6.94	3.41
	Pondicherry	5.32	5.54	0.22	3.95
	S.Region	547.17	574.04	26.88	4.68
Jun-09	Andhrapradesh	183.08	193.84	10.76	5.55
	Karnataka	97.09	106.98	9.89	9.25
	Kerala	42.55	43.78	1.23	2.82
	Tamilnadu	196.54	206.14	9.59	4.65
	Pondicherry	5.16	5.69	0.53	9.33
	S.Region	524.42	556.43	32.01	5.75

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5Hz	48.5 - 49	49 - 49.2	49.2 - 50.3	>50.3
Apr-09	0.00	6.70	13.88	78.98	0.44
May-09	0.00	1.86	2.52	91.04	4.58
Jun-09	0.00	1.35	3.8	94.05	0.8

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-09	414	399	417	392	419	375	411	375	415	398
May-09	423	402	423	392	426	385	420	370	418	389
Jun-09	422	408	422	396	419	386	412	366	415	395

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-09	278.64	0.31	386.29	-	1253.73	-
May-09	457.37	0.11	281.17	8.40	1290.20	-
Jun-09	32.17	124.25	189.23	0.00	879.23	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Apr-09	APTRANSCO	1742.35	1735.81	-6.54
	KPTCL	1181.17	1241.99	60.82
	KSEB	520.37	527.59	7.21
	TNEB	1766.37	1859.23	92.86
	PONDY	169.74	158.36	-11.38
	GOA	51.55	50.77	-0.78
May-09	APTRANSCO	1336.38	1310.23	-26.14
	KPTCL	1045.75	1115.82	70.07
	KSEB	502.14	578.05	75.91
	TNEB	1887.54	1924.49	36.96
	PONDY	172.45	165.21	-7.24
	GOA	52.50	52.43	-0.07
Jun-09	APTRANSCO	1056.11	1030.35	-25.75
	KPTCL	625.08	689.69	64.61
	KSEB	513.43	523.86	10.43
	TNEB	1461.15	1545.95	84.80
	PONDY	162.76	159.98	-2.78
	GOA	32.58	31.55	-1.03

AI SUMMARY REPORT

I) IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	KARNATAKA	SANDUR POWER	15	HYDRO	17-04-2009
2	KARNATAKA	JINDAL POWER	300	THERMAL	28-03-2009
3	TAMIL NADU	IPP	22.875	WIND	
4	APTRANSCO	VTPS U#7	500	THERMAL	06.04.09
5	APTRANSCO	GAUTAMI	145 x 2 GT & 174 x 1 ST	GAS/ THERMAL	03.05.09
6	APTRANSCO	KONASEEMA	140 X 2	GAS	03.05.09
7	KSEB	IPP	5.4	WIND	

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1	TAMIL NADU	MANALI-TONDIRAPET	1&2	230	08-04-2009
2	KPTCL	220 KV LINE FROM EXISTING HOODY - SOMMANAHALLI D/C LINE TO PROPOSED 220/66 LKV NAGANATHPURA FOR A DISTANCE OF 0.75 KM		220	28.05.09
3	APTRANSCO	GARIVIDI - TEKKALI		220	28-06-2009
4	KPTCL	LILLO OF 220 KV MAHALINGAPUR - BAGALKOT DC LINE AT MUDOL SS	1	220	13-06-2009
5	KPTCL	LILLO OF 220 KV MAHALINGAPUR - BAGALKOT DC LINE AT MUDOL SS	2	220	22-06-2009

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	POWERGRID	UDUMALPET-3	400/230	315	01-04-2009
2	TAMIL NADU	PALLADAM	230/110	100	08-04-2009
3	TAMIL NADU	METTUR	230/110	100	30-04-2009
4	APTRANSCO	CHITTOOR	220/66	ENHANCEMENT TO 3 X 100 MVA FROM 2 X 100 MVA	25.05.09
5	POWERGRID	THIRUVANANTHAPURAM	400/220	315	28-06-2009

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

i) Grid Separations NIL

ii) Grid Disturbances NIL