

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

QUARTERLY REPORT

Date: 22 अक्टूबर 2009
For Period: जुलाई 09 to सितम्बर 09

YEAR:2009-10/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-09	Andhrapradesh	9951	10513	562	5.35
	Karnataka	5723	5938	215	3.62
	Kerala	2727	2777	50	1.81
	Tamilnadu	9583	9693	110	1.14
	Pondicherry	241	267	26	9.70
	S.Region	26412	29333	2921	9.96
Aug-09	Andhrapradesh	10294	10731	437	4.07
	Karnataka	5970	6350	380	5.98
	Kerala	2775	2811	36	1.27
	Tamilnadu	9289	9431	142	1.50
	Pondicherry	257	263	6	2.28
	S.Region	26643	29794	3151	10.58
Sep-09	Andhrapradesh	10151	10598	447	4.21
	Karnataka	6017	6285	268	4.26
	Kerala	2809	2840	31	1.08
	Tamilnadu	9288	9371	83	0.89
	Pondicherry	274	276	2	0.70
	S.Region	27020	29497	2477	8.40

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jul-09	Andhrapradesh	6089	6598	508.90	7.71
	Karnataka	3133	3372	238.49	7.07
	Kerala	1294	1325	30.83	2.33
	Tamilnadu	6374	6640	266.71	4.02
	Pondicherry	152	195	43.21	22.12
	S.Region	17042	18131	1088.15	6.00
Aug-09	Andhrapradesh	6463	6938	474.66	6.84
	Karnataka	3463	3718	255.05	6.86
	Kerala	1395	1430	34.65	2.42
	Tamilnadu	5912	6308	395.97	6.28
	Pondicherry	160	187	27.03	14.47
	S.Region	17393	18581	1187.36	6.39
Sep-09	Andhrapradesh	6168	6514	345.42	5.30
	Karnataka	3007	3182	175.14	5.50
	Kerala	1356	1381	25.45	1.84
	Tamilnadu	5744	6097	352.36	5.78
	Pondicherry	161	167	6.23	3.73
	S.Region	16436	17341	904.60	5.22

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5Hz	48.5 - 49	49 - 49.2	49.2 - 50.3	>50.3
Jul-09	0.00	0.08	0.96	97.86	1.10
Aug-09	0.00	0.77	3.15	95.83	0.25
Sep-09	0.00	0.02	0.32	97.27	2.38

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)
Jul-09	426	407	423	398	422	387	412	371	417	394
Aug-09	423	407	423	398	423	385	420	380	418	394
Sep-09	424	405	426	396	423	385	422	368	424	402

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-09	53.29	34.64	161.50	0	381.51	0
Aug-09	45.69	68.00	229.42	0	465.85	0
Sep-09	46.63	115.09	176.78	10.998	475.94	0

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jul-09	APTRANSCO	931	1070	139.64
	KPTCL	488	532	43.52
	KSEB	411	418	6.96
	TNEB	1217	1218	0.95
	PONDY	138	152	14.06
	GOA	45	39	-5.66
Aug-09	APTRANSCO	1087	1202	114.53
	KPTCL	451	495	44.58
	KSEB	470	480	10.38
	TNEB	1096	1105	8.77
	PONDY	157	160	2.97
	GOA	40	43	3.21
Sep-09	APTRANSCO	937	1021	83.79
	KPTCL	311	319	7.84
	KSEB	495	551	55.24
	TNEB	1229	1341	112.12
	PONDY	172	161	-11.29
	GOA	49	46	-3.18

5. SUMMARY REPORT

i)IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	APTRANSCO	JURALA	3	HYDRO	28-05-2009

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1	POWERGRID	TRICHY - KARAIKUDY	1	400	24-07-2009
2	POWERGRID	KARAIKUDY - MADURAI	1	400	24-07-2009
3	POWERGRID	RAMAGUNDAM - WARANGAL	1	400	25-07-2009
4	POWERGRID	WARANGAL - KHAMMAM	1	400	24-07-2009
5	POWERGRID	PUGALUR - NLY TS2 EXP	1	400	31-07-2009
6	KPTCL	BIDADI - KOTHIPURA	1	220	19-07-2009
7	POWERGRID	PUGALUR - MADURAI	1	400	31-08-2009
8	POWERGRID	PUGALUR - MADURAI	2	400	31-08-2009
9	KPTCL	KHEMAR - NPCL GENERATING STATION - 1	1	220	22-09-2009
10	KPTCL	KHEMAR - NPCL GENERATING STATION - 2	2	220	22-09-2009

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	POWERGRID	KARAIKUDY ICT 1 & 2	400/220	2 X 315	25-07-2009
2	POWERGRID	WARANGAL ICT -2	400/220	315	26-07-2009
3	POWERGRID	WARANGAL ICT -1	400/220	315	28-07-2009
4	POWERGRID	KARUR ICT - 1	400/220	315	31-07-2009
5	APTRANSCO	NAGARAM	220	---	01-07-2009
6	APTRANSCO	MIRIYALAGUDA (AUGUMENTATION)	220/110	1X160+2X100 TO 2X160+1X100	30-07-2009
7	KPTCL	VAJRAMATTI	220/110	100	08-07-2009
8	POWERGRID	PUGALUR ICT 1 & 2	400/220	2 X 315	31-08-2009
9	KPTCL	RANIBENNUR	220/110	100	17-08-2009

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

i) Grid Separations **NIL**

ii) Grid Disturbances **NIL**