

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

**QUARTERLY REPORT**

**YEAR:2008-09/Quarter 4**

**Jan 09 to Mar 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 (%)
Jan-09	Andhrapradesh	9262	9872	610	6.18
	Karnataka	6089	6409	320	4.99
	Kerala	2357	2974	617	20.75
	Tamilnadu	8585	8788	203	2.30
	Pondicherry	227	236	9	3.81
	S.Region	25117	27080	1963	7.25
Feb-09	Andhrapradesh	9780	10479	699	6.67
	Karnataka	6158	6484	326	5.03
	Kerala	2433	3004	571	19.00
	Tamilnadu	8846	9279	433	4.66
	Pondicherry	231	239	8	3.19
	S.Region	26200	27793	1593	5.73
Mar-09	Andhrapradesh	9997	10802	805	7.45
	Karnataka	6548	6877	329	4.78
	Kerala	2765	2797	32	1.15
	Tamilnadu	8990	10072	1082	10.74
	Pondicherry	246	251	5	2.12
	S.Region	26942	29156	2214	7.59

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

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jan-09	Andhrapradesh	188.94	199.60	10.66	5.34
	Karnataka	121.61	129.53	7.92	6.11
	Kerala	41.33	44.47	3.14	7.06
	Tamilnadu	162.78	175.16	12.37	7.06
	Pondicherry	4.52	4.78	0.26	5.43
	S.Region	519.18	553.53	34.35	6.21
Feb-09	Andhrapradesh	189.17	198.83	9.66	4.86
	Karnataka	114.01	121.03	7.02	5.80
	Kerala	39.49	42.71	3.22	7.54
	Tamilnadu	162.72	176.78	14.05	7.95
	Pondicherry	4.44	4.74	0.30	6.40
	S.Region	509.84	544.09	34.25	6.30
Mar-09	Andhrapradesh	207.00	229.30	8.12	4.29
	Karnataka	127.52	135.42	4.52	3.76
	Kerala	45.86	48.02	1.41	3.18
	Tamilnadu	190.12	206.45	4.64	2.68
	Pondicherry	4.88	5.41	0.15	2.92
	S.Region	575.38	624.60	18.84	3.54

## 2. QUALITY OF SERVICE

### a) Frequency Profile (% time)

Month	<48.0Hz	48.0- 49.0Hz	49.0 - 49.5Hz	49.5 - 50.5Hz	50.5 - 51.0Hz	>51.0Hz
Jan-09	0.00	1.49	70.90	27.44	0.17	0.00
Feb-09	0.00	4.80	80.74	14.40	0.07	0.00
Mar-09	0.00	6.68	73.24	19.9	0.18	0.00

### 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-09	417	397	418	389	416	383	423	388	420	400
Feb-09	412	395	413	384	417	385	419	383	418	402
Mar-09	410	392	411	388	416	382	416	382	415	399

## 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-09	278.64	0.31	386.29	-	1253.73	-
Feb-09	483.77	0.00	381.22	-	1220.61	-
Mar-09	500.47	0.00	499.31	-	1459.58	-

## 4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jan-09	APTRANSCO	1363.13	1511.35	148.22
	KPTCL	910.01	1194.86	284.86
	KSEB	555.96	546.67	-9.30
	TNEB	1530.60	1542.08	11.47
	PONDY	171.18	140.07	-31.11
	GOA	63.89	51.33	-12.56
Feb-09	APTRANSCO	1463.41	1629.35	165.94
	KPTCL	882.92	1058.46	175.54
	KSEB	486.03	451.54	-34.49
	TNEB	1458.44	1420.11	-38.32
	PONDY	155.63	137.58	-18.04
	GOA	53.37	45.02	-8.35
Mar-09	APTRANSCO	1602.20	1814.17	211.97
	KPTCL	1072.05	1172.53	100.48
	KSEB	578.51	536.04	-42.47
	TNEB	1869.70	1984.15	114.45
	PONDY	180.31	151.40	-28.91
	GOA	62.07	54.13	-7.94

### A)SUMMARY REPORT

#### I)IMPORTANT EVENTS

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

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	KPTCL	VARAHI UG PH STAGE II	115 x 2	HYDRO	03.01.09 & 14.01.09
2	TNEB	IPP	10.65	WIND	-
3	KSEB	IPP	1.5	WIND	-
4	KPTCL	NAGJHERI U-4 UPRATED TO 150 MW FROM 135 MW	150	HYDRO	28.02.09

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1	APTRANSCO	220 KV GAZUWAKA-VSS LINE TO THE PROPOSED 220KV S/S AT GPL		220	11.12.08 (LINE CHARGED)
2	KPTCL	220KV DC LINE FROM HIRYUR 400KV S/S TO TALLAK		220	30.01.09
3	AP	220 KV DC/SC LINE FROM GAJWEL S/S TO KAMAREDDY S/S		220	19.2.09
4	KPTCL	220-66KV MC LINE FROM HOSKOTE 220 KV S/S TO BIAL 220KV S/S WITH A 66KV LILO AT BUDIGERE S/S		220	19.2.09
5	KPTCL	220 KV DC LINE FROM BASAVANBAGEWADI TO INDI S/S VIA BIJAPUR		220	28.02.09
6	KPTCL	220 KV LILO LINE TO SINDHANUR FROM LINGSUGUR II S/S	2	220	04.02.09
7	AP	220 KV DC/SC LINE FROM GAJWEL S/S TO KAMAREDDY S/S		220	19.2.09
8	KPTCL	220-66KV MC LINE FROM HOSKOTE 220 KV S/S TO BIAL 220KV S/S WITH A 66KV LILO AT BUDIGERE S/S		220	19.2.09
9	KPTCL	220 KV DC LINE FROM BASAVANBAGEWADI TO INDI S/S VIA BIJAPUR		220	28.02.09
8	KPTCL	220 KV LILO LINE TO SINDHANUR FROM LINGSUGUR II S/S	2	220	04.02.09
9	PGCIL	NEYVELI TS-II - PUGALUR D/C		400	-
10	PGCIL	PUGALUR - MADURAI D/C		400	-

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	KPTCL	TALLAK	220/66	2 * 100	30.01.09
2	KPTCL	SHIRALKOPPA	220/110	2 * 100	30.01.09
3	AP	KAMMAREDDY	220	100	20.02.09
4	AP	SHADNAGAR	220	1 x 100 MVA AUGMENTED TO 2 X 100 MVA	20.02.09
5	KPTCL	HOSKOTE	220/66	100	19.02.09
6	KPTCL	HSR LAYOUT	220/66	2 x 100 MVA REPLACED BY 2 X 150 MVA	04.02.09
7	KPTCL	INDI	220/110	2 X 100	28.02.09
8	KPTCL	SINDHANUR	220/110	1 X 100	15.02.09
9	AP	KAMMAREDDY	220	100	20.02.09
10	AP	SHADNAGAR	220	1 x 100 MVA AUGMENTED TO 2 X 100 MVA	20.02.09
11	KPTCL	HOSKOTE	220/66	100	19.02.09
12	KPTCL	HSR LAYOUT	220/66	2 x 100 MVA REPLACED BY 2 X 150 MVA	04.02.09
13	KPTCL	INDI	220/110	2 X 100	28.02.09
14	KPTCL	SINDHANUR	220/110	1 X 100	15.02.09
15	PGCIL	PUGALUR	400/230	315	

NIL

i) Grid Separations

NIL

ii) Grid Disturbances

NIL