

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

**QUARTERLY REPORT**

**Date:** 22 जनवरी 2010  
**For Period:** अक्टूबर 09 to दिसम्बर 09

**YEAR:2009-10/Quarter 3**

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 (%)
Oct-09	Andhrapradesh	9849	10693	844	7.89
	Karnataka	5877	6119	242	3.95
	Kerala	2889	2929	40	1.36
	Tamilnadu	9391	10184	793	7.79
	Pondicherry	277	280	3	1.16
	S.Region	26750	30124	3374	11.20
Nov-09	Andhrapradesh	9802	10163	361	3.55
	Karnataka	5705	5965	260	4.36
	Kerala	2911	2947	36	1.21
	Tamilnadu	9005	9012	7	0.07
	Pondicherry	251	253	2	0.69
	S.Region	25717	28181	2464	8.74
Dec-09	Andhrapradesh	9802	10163	361	3.55
	Karnataka	5705	5965	260	4.36
	Kerala	2911	2947	36	1.21
	Tamilnadu	9005	9012	7	0.07
	Pondicherry	251	253	2	0.69
	S.Region	25717	28181	2464	8.74

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

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Oct-09	Andhrapradesh	6272	6723	450.70	6.70
	Karnataka	3294	3607	313.00	8.68
	Kerala	1438	1473	35.00	2.38
	Tamilnadu	6055	6568	513.07	7.81
	Pondicherry	165	171	6.20	3.63
	S.Region	17223	18541	1317.97	7.11
Nov-09	Andhrapradesh	6272	6675	402.65	6.03
	Karnataka	3294	3579	285.28	7.97
	Kerala	1438	1460	22.07	1.51
	Tamilnadu	6055	6526	471.49	7.22
	Pondicherry	165	170	5.09	3.00
	S.Region	17223	18410	1186.58	6.45
Dec-09	Andhrapradesh	6272	6675	402.65	6.03
	Karnataka	3294	3579	285.28	7.97
	Kerala	1438	1460	22.07	1.51
	Tamilnadu	6055	6526	471.49	7.22
	Pondicherry	165	170	5.09	3.00
	S.Region	17223	18410	1186.58	6.45

**2. QUALITY OF SERVICE**

**a) Frequency Profile (% time)**

Month	<48.5Hz	48.5 - 49	49 - 49.2	49.2 - 50.3	>50.3
Oct-09	0.00	1.57	4.23	92.80	1.40
Nov-09	0.00	0.06	0.19	98.73	1.02
Dec-09	0.00	0.04	0.15	99.08	0.73

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)
Oct-09	421	400	423	388	422	384	420	376	422	399
Nov-09	422	405	425	399	421	385	426	386	425	403
Dec-09	423	408	427	402	415	383	424	388	423	405

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
Oct-09	203.89	33.32	190.40	5.41	0.00	807.05
Nov-09	215.24	2.63	206.35	14.58	0.00	763.69
Dec-09	84.69	22.63	220.45	2.66	0.00	1152.14

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Oct-09	APTRANSCO	1129	1332	202.90
	KPTCL	341	317	-23.85
	KSEB	518	522	4.27
	TNEB	1586	1834	247.18
	PONDY	177	165	-11.97
	GOA	28	18	-9.94
Nov-09	APTRANSCO	930	964	33.86
	KPTCL	239	338	98.52
	KSEB	492	531	39.13
	TNEB	1552	1728	176.07
	PONDY	154	145	-8.92
	GOA	55	44	-10.60
Dec-09	APTRANSCO	1037	1149	111.90
	KPTCL	406	524	117.65
	KSEB	576	645	69.09
	TNEB	1869	1864	-4.83
	PONDY	176	152	-23.16
	GOA	64	54	-9.22

5. SUMMARY REPORT

i)IMPORTANT EVENTS

a)COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	TNEB	WIND MILLS (PRIVATE)	275.24	WIND	APR-09 TO OCT 09
2	TNEB	WIND MILLS (PRIVATE)	3.6	WIND	November 2009
3	TNEB	WIND MILL	12.65	WIND	01-12-2009
4	KPTCL	KOLAR	3	SOLAR	01-12-2009
5	KPTCL	BELGAM	3	SOLAR	01-12-2009

b)COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1	POWERGRID	UDUMALPET - TIRUNELVELI	1	400	30-10-2009
2	POWERGRID	UDUMALPET - TIRUNELVELI	2	400	30-10-2009
3	TNEB	MYLAPORE - TONDIARPET LILLO OF BASIN BRIDGE	1	220	25-10-2009
4	APTRANSCO	LILLO OF VTS - PODILIN LINE AT NARASARAOPET SS	1	220	03-11-2009
5	APTRANSCO	RTPP - PULIVENDULA	1 & 2	220	19-11-2009
6	KPTCL	HUBLI - MAHALINGAPUR LINE AT SOLINDATTI	1	220	19-11-2009
7	TNEB	ARASUR 400 KV SS - ARASUR 220 KV SS	1 & 2	230	09-11-2009
8	TNEB	OTTAKKALMANDAPAM - THUDIALLUR	1	230	19-12-2009
9	TNEB	OTTAKKAMANDAPAM - MYVADI	1 & 2	230	19-12-2009

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	TNEB	BASIN BRIDGE(GMR/VASAVI)-1	230/110	100 MVA	25-10-2009
2	TNEB	BASIN BRIDGE(GMR/VASAVI)-2	230/110	100 MVA	25-10-2009
3	TNEB	VINNAMANGALAM (Enhancement from 50 to 100)	230/110	100 MVA	30-10-2009
4	APTRANSCO	PULIVENDULA	220/110	100 MVA	19-11-2009
5	APTRANSCO	NARASARAOPET	220/110	100 MVA	03-11-2009
6	KPTCL	SOUNDATTI, BELGAUM	220/110	200 MVA	19-11-2009
7	TNEB	NETHIMEDU (Enhancement from 80 to 100)	230/110	100 MVA	07-11-2009
8	APTRANSCO	PENDURTHY	220/110	100 MVA	23-12-2009
9	APTRANSCO	BHONGIR	220/110	100 MVA	18-12-2009
10	TNEB	THIRUVALAM (Enhancement from 75 to 100)	230/110	100 MVA	09-12-2009

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	POWERGRID	MADURAI KARAUKUDI LINE AT MADURAI END	LINE	63 MVAR	01-12-2009
2	POWERGRID	TRICHY - NEYVELI TS-2 LINE AT TRICHY END	LINE	63 MVAR	01-12-2009

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

i) Grid Separations NIL

ii) Grid Disturbances NIL

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