

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

Date: 22 अप्रैल 2010
For Period: जनवरी 10 to मार्च 10

YEAR:2009-10/Quarter 4

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-10	Andhrapradesh	9990	10387	397	3.82
	Karnataka	6200	6632	432	6.51
	Kerala	2856	2876	20	0.71
	Tamilnadu	9540	9644	104	1.07
	Pondicherry	273	274	1	0.50
	S.Region	27574	29296	1722	5.88
Feb-10	Andhrapradesh	10448	10965	517	4.72
	Karnataka	6724	7731	1007	13.02
	Kerala	2920	2994	74	2.48
	Tamilnadu	10046	10459	413	3.95
	Pondicherry	283	286	3	1.01
	S.Region	28967	31003	2036	6.57
Mar-10	Andhrapradesh	10880	11688	808	6.91
	Karnataka	7084	7871	787	10.00
	Kerala	2998	3054	56	1.82
	Tamilnadu	9969	10857	888	8.18
	Pondicherry	278	290	12	4.01
	S.Region	29776	32853	3077	9.37

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jan-10	Andhrapradesh	6468	6730	261.65	3.89
	Karnataka	3760	4101	340.96	8.31
	Kerala	1470	1494	24.57	1.64
	Tamilnadu	5896	6261	365.92	5.84
	Pondicherry	160	161	1.07	0.67
	S.Region	17753	18747	994.17	5.30
Feb-10	Andhrapradesh	6261	6711	450.62	6.71
	Karnataka	3756	4176	420.43	10.07
	Kerala	1406	1435	28.77	2.01
	Tamilnadu	5908	6260	351.85	5.62
	Pondicherry	158	162	3.44	2.13
	S.Region	17489	18744	1255.10	6.70
Mar-10	Andhrapradesh	7082	8004	921.91	11.52
	Karnataka	4394	4879	484.64	9.93
	Kerala	1657	1700	42.54	2.50
	Tamilnadu	6736	7386	649.56	8.79
	Pondicherry	180	197	16.70	8.49
	S.Region	20049	22165	2115.35	9.54

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5Hz	48.5 - 49	49 - 49.2	49.2 - 50.3	>50.3
Jan-10	0.00	0.06	0.24	98.36	1.34
Feb-10	0.00	0.46	2.39	96.93	0.23
Mar-10	0.00	2.91	9.07	87.90	0.12

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-10	421	405	424	398	416	385	424	384	421	400
Feb-10	421	401	422	392	411	372	417	368	418	397
Mar-10	414	398	415	386	409	369	407	359	417	394

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-10	240.35	7.15	176.29	7.77	1295.35	0.00
Feb-10	413.56	0.22	247.01	5.17	1399.14	0.00
Mar-10	584.94	0.00	256.94	10.65	1734.38	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jan-10	APTRANSCO	1195	1253	58.15
	KPTCL	463	627	164.34
	KSEB	637	680	43.35
	TNEB	2152	2174	22.22
	PONDY	187	160	-26.97
	GOA	64	51	-13.03
Feb-10	APTRANSCO	1200	1315	115.01
	KPTCL	549	684	135.47
	KSEB	576	599	23.38
	TNEB	2086	2179	93.06
	PONDY	174	158	-15.45
	GOA	57	47	-10.01
Mar-10	APTRANSCO	1425	1514	88.78
	KPTCL	800	861	61.07
	KSEB	548	546	-2.36
	TNEB	2329	2513	183.93
	PONDY	182	180	-2.23
	GOA	63	53	-10.30

5. SUMMARY REPORT

ii) IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	TNEB	WIND MILL	2.400	WIND	31-01-2010
2	TNEB	WIND MILL	11.275	WIND	28-02-2010
3	TNEB	WIND MILL	296.850	WIND	31-03-2010
4	TNEB	CO GENERATION	93.400	CO GENERATION	31-03-2010

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1	TNEB	TIRUNELVELI - UDAYATHUR	1	230	22-01-2010
2	TNEB	MELAVITTAN SIPCOT - CHEKKANURANI	1	230	12-02-2010
3	KPTCL	BASTIPURA - KADAKOLA	1 & 2	220	28-01-2010
4	TNEB	IND-BHARAT - CHECKANOORANI	1	230	12-02-2010
5	APTRANSCO	LILLO OF RAMAGUNDAM - HYDERABAD AT MALKHARAM	2	400	28-03-2010
6	APTRANSCO	WARANGAL - BOOPALAPPALLI	1 & 2	400	21-02-2010
7	APTRANSCO	WARANGAL 400 KV - NAGARAM	1 & 2	220	31-03-2010

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	APTRANSCO	CHOTTOOR	400/220	315	26-02-2010
2	APTRANSCO	MAHBOOBNAGAR	400/220	315	30-03-2010
3	APTRANSCO	CHANDRAYANAGUTTA (AUGMENTATION 100 TO 160)	220/132	60	14-02-2010
4	APTRANSCO	GOOTY (CAPACITY ADDITION)	220/132	100	11-01-2010
5	APTRANSCO	CHILAKALLU (CAPACITY ADDITION)	220/132	100	15-02-2010
6	KPTCL	NAGANATHAPURA (CAPACITY ADDITION)	220/110	100	01-02-2010
7	TNEB	UDAYATHUR	230/110	100	19-02-2010
8	TNEB	OTHAKKALMANDAPAM	230/110	100	25-02-2010
9	TNEB	SALEM 230 KV (AUGMENTATION 80 TO 100)	230/110	20	12-02-2010
10	APTRANSCO	NUNNA (CAPACITY ADDITION)	220/132	100	29-03-2010
11	APTRANSCO	PARWADA (CAPACITY ADDITION)	220/132	100	18-03-2010

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	POWERGRID	SALEM	BUS REACTOR	63	27-02-2010
2	POWERGRID	HOSUR	BUS REACTOR	63	27-02-2010

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

i) Grid Separations NIL

ii) Grid Disturbances NIL

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