

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

QUARTERLY REPORT

Date:

18 अक्तूबर 2010

For Period:

जुलाई 10 to सितम्बर 10

YEAR:2010-11/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-10	Andhrapradesh	8904	9063	159	1.75
	Karnataka	5933	6204	271	4.37
	Kerala	2739	2789	50	1.81
	Tamilnadu	9860	10526	666	6.33
	Pondicherry	266	268	2	0.77
S.Region	27041	28463	1422	5.00	
Aug-10	Andhrapradesh	9740	9890	150	1.52
	Karnataka	6157	6606	449	6.80
	Kerala	2858	2862	4	0.15
	Tamilnadu	9709	9742	33	0.34
	Pondicherry	265	263	-2	-0.68
S.Region	27641	29367	1726	5.88	
Sep-10	Andhrapradesh	9883	9933	50	0.50
	Karnataka	6024	6428	404	6.29
	Kerala	2789	2792	3	0.09
	Tamilnadu	9829	9919	90	0.90
	Pondicherry	281	281	0	-0.13
S.Region	28184	29776	1592	5.35	

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jul-10	Andhrapradesh	6054	6272	218.61	3.49
	Karnataka	3297	3792	495.19	13.06
	Kerala	1364	1375	11.15	0.81
	Tamilnadu	6357	6775	417.94	6.17
	Pondicherry	167	175	7.74	4.42
S.Region	17239	18390	1150.64	6.26	
Aug-10	Andhrapradesh	6562	6709	147.70	2.20
	Karnataka	3424	3918	493.99	12.61
	Kerala	1398	1411	13.35	0.95
	Tamilnadu	6224	6627	402.50	6.07
	Pondicherry	156	184	28.08	15.23
S.Region	17763	18849	1085.63	5.76	
Sep-10	Andhrapradesh	6272	6299	26.52	0.42
	Karnataka	3442	3753	310.98	8.29
	Kerala	1412	1421	8.09	0.57
	Tamilnadu	6119	6519	400.01	6.14
	Pondicherry	162	165	2.89	1.75
S.Region	17408	18156	748.49	4.12	

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5Hz	48.5 - 49	49 - 49.2	49.2 - 50.3	>50.3
Jul-10	0.00	0.03	0.16	95.75	4.05
Aug-10	0.00	0.04	0.17	94.55	5.24
Sep-10	0.00	0.06	0.25	92.06	7.62

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-10	424	408	427	396	420	385	418	371	421	398
Aug-10	428	411	430	403	421	388	421	370	422	394
Sep-10	426	406	429	401	420	385	412	368	421	398

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-10	542.33	0.00	94.88	65.03	814.42	0.00
Aug-10	535.73	1.40	76.68	98.73	876.57	0.00
Sep-10	488.51	0.01	52.96	126.56	1169.04	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jul-10	APTRANSCO	1269	1230	-38.54
	KPTCL	577	675	98.01
	KSEB	523	610	87.45
	TNEB	1685	1820	135.27
	PONDY	168	167	-0.93
	GOA	60	51	-9.09
Aug-10	APTRANSCO	951	967	16.16
	KPTCL	752	822	70.64
	KSEB	586	640	53.60
	TNEB	1539	1666	126.36
	PONDY	154	158	3.22
	GOA	62	44	-17.58
Sep-10	APTRANSCO	697	596	-101.00
	KPTCL	1060	1142	81.85
	KSEB	610	715	105.50
	TNEB	1767	1953	186.05
	PONDY	172	162	-9.89
	GOA	57	46	-11.16

5. SUMMARY REPORT

IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	IPP	LKKPL (LANCO)	133.000	GAS	23-07-2010
2	TAMIL NADU	TIRUNELVELI & UDUMALPET	117.225	WIND	31-07-2010
3	IPP	KONASEEMA GAS POWER	165.000	GAS	30-06-2010
4	IPP	TIRUNELVELI & UDUMALPET	73.580	WIND	31-08-2010
5	KERALA	KUTTIADI EXTENSION	50.000	HYDRO	25-05-2010
6	IPP	AGALI (4 x 0.6)	2.400	WIND	30-09-2010
7	IPP	TIRUNELVELI & UDUMALPET	279.725	WIND	30-09-2010

Delay in information

Delay in information

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1	POWERGRID	LILO OF NEYVELI SRIPERUMBUDUR LINE - 1 AT PONDICHERY	400	12.54	25-07-2010
2	POWERGRID	UDUMALPET - ARASUR - 1	400	100.232	27-07-2010
3	POWERGRID	UDUMALPET - ARASUR - 2	400	100.232	27-07-2010
4	TNEB	OTHAKKALMANDAPAM - PONNAPURAM - 1	230	62.1	30-07-2010
5	APTRANSCO	MEHBOOBNAGAR 400 KV - WANAPARTHY -1	220	19.75	08-09-2010
6	APTRANSCO	MEHBOOBNAGAR 400 KV - WANAPARTHY -2	220	19.75	08-09-2010

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	POWERGRID	ARASUR 1	400/220	315	27-07-2010
2	POWERGRID	ARASUR 2	400/220	315	18-08-2010
3	TNEB	KITS PARK	230/110	80	12-08-2010
4	TNEB	BASIN BRIDGE	230/110	100	19-08-2010
5	POWERGRID	PONDICHERY - 1	400/230	315	21-09-2010
6	POWERGRID	PONDICHERY - 2	400/230	315	21-09-2010

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	POWERGRID	PUGALUR	LINE (S/W)	2 X 50	27-09-2010
2	POWERGRID	TRIVANDRUM	BUS	63	30-09-2010

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

i) Grid Separations NIL

ii) Grid Disturbances NIL

(क. रामकृष्णा)
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