

POWER SYSTEM OPERATION CORPORATION LIMITED

S.R.L.D.C, BANGALORE

QUARTERLY REPORT

Date:

21 अक्तूबर 2011

For Period:

जुलाई 11 to सितम्बर 11

YEAR:2011-12/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-11	Andhrapradesh	10542	11655	1113	9.55
	Karnataka	6907	7628	721	9.45
	Kerala	2896	2972	76	2.55
	Tamilnadu	10522	11319	797	7.04
	Pondicherry	311	313	2	0.62
S.Region	30936	32386	1450	4.48	
Aug-11	Andhrapradesh	11377	11377	0	0.00
	Karnataka	7086	7640	554	7.25
	Kerala	2898	2984	86	2.87
	Tamilnadu	10430	10886	456	4.19
	Pondicherry	310	311	1	0.43
	S.Region	30236	31738	1502	4.73
Sep-11	Andhrapradesh	11522	12361	839	6.79
	Karnataka	7032	7551	519	6.87
	Kerala	2953	3048	95	3.10
	Tamilnadu	10469	11243	774	6.88
	Pondicherry	320	321	1	0.20
	S.Region	30446	31960	1514	4.74

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jul-11	Andhrapradesh	6886	7043	157.61	2.24
	Karnataka	4166	4544	377.52	8.31
	Kerala	1485	1509	23.25	1.54
	Tamilnadu	6974	7313	338.96	4.64
	Pondicherry	187	191	4.24	2.22
	S.Region	19698	20600	901.58	4.38
Aug-11	Andhrapradesh	7179	7307	127.90	1.75
	Karnataka	4210	4534	324.07	7.15
	Kerala	1516	1535	18.91	1.23
	Tamilnadu	6703	6905	202.22	2.93
	Pondicherry	181	181	0.91	0.50
	S.Region	19789	20463	674.01	3.29
Sep-11	Andhrapradesh	7197	7618	420.07	5.51
	Karnataka	4244	4674	429.66	9.19
	Kerala	1493	1516	23.35	1.54
	Tamilnadu	6490	6797	307.52	4.52
	Pondicherry	181	183	2.61	1.42
	S.Region	19605	20789	1183.21	5.69

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5	48.5 - 49	49 - 49.5	49.5 - 50.2	>50.2
Jul-11	0.00	0.01	1.37	97.24	1.38
Aug-11	0.00	0.00	0.28	96.24	3.48
Sep-11	0.00	0.27	4.63	91.74	3.35

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-11	416	411	424	416	415	398	403	395	416	406
Aug-11	420	400	429	394	423	383	421	370	420	391
Sep-11	420	403	428	400	419	385	419	368	418	395

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-11	670.04	0.00	4.47	136.51	1230.38	0.00
Aug-11	713.79	0.00	6.91	148.01	1339.71	0.00
Sep-11	499.00	0.00	43.69	182.10	1275.29	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jul-11	APTRANSCO	1423	1551	127.95
	KPTCL	564	585	21.00
	KSEB	761	825	64.36
	TNEB	1886	1871	-14.22
	PONDY	203	187	-16.65
	GOA	68	40	-27.99
Aug-11	APTRANSCO	1199	1358	158.67
	KPTCL	729	710	-19.04
	KSEB	784	840	55.68
	TNEB	2145	2118	-27.39
	PONDY	209	181	-27.93
	GOA	62	45	-17.27
Sep-11	APTRANSCO	1222	1347	124.74
	KPTCL	859	919	60.60
	KSEB	661	631	-29.33
	TNEB	1702	1717	15.31
	PONDY	192	181	-11.83
	GOA	55	45	-9.93

5. SUMMARY REPORT

i) IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	I P P (TAMIL NADU)	TIRUNELVELI & UDUMALPET	75.400	WIND	31-07-2011
2	I P P (TAMIL NADU)	TIRUNELVELI & UDUMALPET	126.400	WIND	31-08-2011
3	C G S	SIMHADRI ST - II	500.000	THERMAL	16-09-2011
4	I P P (TAMIL NADU)	TIRUNELVELI & UDUMALPET	262.250	WIND	30-09-2011

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	KV	LENGTH	DATE
1	TANTRANSCO	LIL OF SRIPERUMBUDUR-NEYVELI LINE AT S.V.CHATRAM	400	16.28	31-07-2011
2	APTRANSCO	LIL OF GOOTY - SOMAYAJULAPPALLY AT DHONE	220	28.66	24-08-2011
3	APTRANSCO	DHONE - KAMBALAPPADU	220	12.10	30-08-2011
4	TANTRANSCO	DEVIKURCHI - PUDHANCHANDAI	230	84.00	24-08-2011
5	TANTRANSCO	LIL OF CHECKNURANI - AMUTHAPURAM LINE AT	230	19.72	19-08-2011
6	APTRANSCO	V S S - M R S - 1	220	6.08	17-09-2011
7	APTRANSCO	V S S - M R S - 2	220	6.08	17-09-2011
8	TANTRANSCO	SUNGU VARCHATRAM - ORAGADAM	230	9.79	16-09-2011
9	TANTRANSCO	SRIPERUMBUDUR SIPCOT - SUNGU VARCHATRAM - 1	230	6.00	16-09-2011
10	TANTRANSCO	SRIPERUMBUDUR SIPCOT - SUNGU VARCHATRAM - 2	230	6.00	16-09-2011
11	TANTRANSCO	LIL OF UDUMALPET - KADAMPARAI LINE AT ALIYAR	230	0.23	08-09-2011

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	TANTRANSCO	SUNGU VARCHATRAM - 1	400/230	315	16-08-2011
2	TANTRANSCO	SUNGU VARCHATRAM - 2	400/230	315	16-08-2011
3	APTRANSCO	KAKINADA (ADDITION)	220/132	100	18-08-2011
4	APTRANSCO	KAMBALAPADU	220/11	50	30-08-2011
1	TANTRANSCO	MOSUR III AUTO	230/110	100	03-08-2011
2	TANTRANSCO	SADAYAMPALAYAM - 1	230/33	50	29-09-2011

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE

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

i) Grid Separations NIL

ii) Grid Disturbances NIL

(वी. सुरेश / V. Suresh)
उप महाप्रबंधक (प्र.से.) / D G M (OS)