

POWER SYSTEM OPERATION CORPORATION LIMITED

S.R.L.D.C, BANGALORE

QUARTERLY REPORT

Date: 20 जनवरी 2012
For Period: अक्टूबर 11 to दिसम्बर 11

YEAR:2011-12/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-11	Andhrapradesh	11591	13177	1586	12.04
	Karnataka	6927	7528	601	7.98
	Kerala	3012	3123	111	3.55
	Tamilnadu	10328	11083	755	6.81
	Pondicherry	295	318	23	7.12
	S.Region	29857	32095	2238	6.97
Nov-11	Andhrapradesh	10835	12133	1298	10.70
	Karnataka	7428	8699	1271	14.61
	Kerala	3107	3147	40	1.27
	Tamilnadu	9238	9979	741	7.43
	Pondicherry	274	275	1	0.52
	S.Region	29653	34518	4865	14.09
Dec-11	Andhrapradesh	10453	11688	1235	10.57
	Karnataka	7650	8793	1143	13.00
	Kerala	3145	3230	85	2.63
	Tamilnadu	9577	10256	679	6.62
	Pondicherry	283	285	2	0.79
	S.Region	29083	32953	3870	11.74

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Oct-11	Andhrapradesh	7144	8363	1219.47	14.58
	Karnataka	4056	4718	662.48	14.04
	Kerala	1609	1662	53.69	3.23
	Tamilnadu	6274	6801	526.65	7.74
	Pondicherry	164	173	8.79	5.09
	S.Region	19246	21717	2471.08	11.38
Nov-11	Andhrapradesh	6764	7708	943.26	12.24
	Karnataka	4291	5076	785.38	15.47
	Kerala	1544	1578	34.26	2.17
	Tamilnadu	5489	6243	754.19	12.08
	Pondicherry	147	149	1.97	1.32
	S.Region	18235	20754	2519.05	12.14
Dec-11	Andhrapradesh	6738	7670	931.74	12.15
	Karnataka	4783	5497	713.99	12.99
	Kerala	1639	1678	39.00	2.32
	Tamilnadu	5996	6800	803.65	11.82
	Pondicherry	154	156	1.86	1.19
	S.Region	19309	21800	2490.24	11.42

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5Hz	48.5 - 49	49 - 49.5	49.5 - 50.2	>50.2
Oct-11	0.00	0.24	8.28	90.93	0.55
Nov-11	0.00	0.10	5.46	93.60	0.85
Dec-11	0.00	0.00	2.89	95.99	1.12

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)
Oct-11	421	404	427	405	422	385	423	377	423	397
Nov-11	421	407	430	405	420	378	424	378	419	402
Dec-11	417	403	419	398	406	379	411	387	412	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
Oct-11	677.64	0.00	185.71	3.24	1464.79	0.00
Nov-11	529.31	0.00	233.01	0.00	1313.96	0.00
Dec-11	493.74	0.00	230.30	14.69	1395.68	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Oct-11	APTRANSCO	1533	1568	35.21
	KPTCL	769	802	33.04
	KSEB	687	720	33.23
	TNEB	2037	2096	58.71
	PONDY	185	164	-20.83
	GOA	57	57	-0.57
Nov-11	APTRANSCO	1504	1566	61.09
	KPTCL	760	785	24.67
	KSEB	831	846	15.44
	TNEB	1899	2007	108.97
	PONDY	197	147	-49.99
	GOA	57	56	-0.99
Dec-11	APTRANSCO	1513	1572	58.53
	KPTCL	771	840	69.04
	KSEB	934	976	42.43
	TNEB	1928	1954	26.18
	PONDY	199	154	-44.85
	GOA	60	58	-2.78

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	16.800	WIND	31-10-2011
2	I P P (TAMIL NADU)	TIRUNELVELI & UDUMALPET	15.900	WIND	30-11-2011
3	I P P (TAMIL NADU)	TIRUNELVELI & UDUMALPET	32.600	WIND	31-12-2011

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	CKT NO	KV	DATE
1	APTRANSCO	KAMBALAPADU-LAKKASAGARAM	220	9.30	12-10-2011
2	APTRANSCO	LAKKASAGARAM - NANSURALLA	220	6.85	12-10-2011
3	APTRANSCO	CHITTOOR 400 KV - PALAMANERU	230	58.00	22-10-2011
4	POWERGRID	TRICHUR - KOCHI - 1	400	78.20	28-11-2011
5	POWERGRID	TRICHUR - KOCHI - 2	400	78.20	28-11-2011
6	POWERGRID	KALPAKKAM - SIRUSERI	230	70.00	29-11-2011
7	APTRANSCO	KALPAKKA - BRANDIX	220	41.45	19-12-2011
8	APTRANSCO	WANAPARTHY - REGUMANAGADDA	220	43.08	19-12-2011

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	APTRANSCO	LAKKASAGARAM	220 / 11	50.00	12-10-2011
2	APTRANSCO	PALAMANERU	220 / 132	100.00	22-10-2011
3	APTRANSCO	NARKETPALLY (ADDITION)	230/132	160.00	08-10-2011
4	APTRANSCO	GAJUWAKA (AUGMENTATION)	230/132	60.00	29-10-2011
5	POWERGRID	KOCHI - 1	400/220	315.00	28-11-2011
6	POWERGRID	KOCHI - 2	400/220	315.00	28-11-2011
7	APTRANSCO	NANSURALLA - 1	220/11	50.00	03-12-2011
8	APTRANSCO	BRANDIX - 2	220/132	100.00	19-12-2011
9	APTRANSCO	THEKKALI - 2	220/132	100.00	21-12-2011

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	POWERGRID	KOCHI	BUS	63.00	28-11-2011

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

- i) Grid Separations NIL
- ii) Grid Disturbances NIL

(वी. सुरेश)
उपमहाप्रबंधक (प्र.से.)