

POWER SYSTEM OPERATION CORPORATION LIMITED
S.R.L.D.C, BANGALORE
QUARTERLY REPORT

Date: 17 जनवरी 2013
For Period: अक्टूबर 12 to दिसम्बर 12

YEAR:2012-12/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-12	Andhrapradesh	10901	12657	1756	13.88
	Karnataka	7601	8772	1171	13.35
	Kerala	3037	3389	352	10.39
	Tamilnadu	10477	12753	2276	17.84
	Pondicherry	315	317	2	0.51
Nov-12	S.Region	29971	36372	6401	17.60
	Andhrapradesh	10217	12143	1926	15.86
	Karnataka	7852	8938	1086	12.15
	Kerala	2993	2979	-14	-0.47
	Tamilnadu	8518	10161	1643	16.17
Dec-12	Pondicherry	297	298	1	0.24
	S.Region	27846	34943	7097	20.31
	Andhrapradesh	10551	11968	1417	11.84
	Karnataka	7959	9040	1081	11.96
	Kerala	3004	3012	8	0.26
	Tamilnadu	9625	13370	3745	28.01
Pondicherry	299	301	2	0.53	
S.Region	29736	36902	7166	19.42	

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Oct-12	Andhrapradesh	6965	8592	1626.79	18.93
	Karnataka	4596	5278	682.68	12.93
	Kerala	1671	1763	92.08	5.22
	Tamilnadu	5568	7226	1658.05	22.95
	Pondicherry	175	178	2.76	1.55
	S.Region	18974	23037	4062.35	17.63
Nov-12	Andhrapradesh	6266	7880	1613.70	20.48
	Karnataka	4391	5065	673.97	13.31
	Kerala	1619	1708	88.92	5.20
	Tamilnadu	5302	6949	1646.62	23.70
	Pondicherry	165	167	2.44	1.46
	S.Region	17744	21770	4025.64	18.49
Dec-12	Andhrapradesh	6865	8150	1285.78	15.78
	Karnataka	4959	5555	596.08	10.73
	Kerala	1673	1755	82.95	4.73
	Tamilnadu	6187	8047	1860.33	23.12
	Pondicherry	172	174	1.78	1.02
	S.Region	19856	23682	3826.92	16.16

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5Hz	48.5 - 49	49 - 49.5	49.5 - 50.2	>50.2
Oct-12	0.00	0.00	0.34	81.47	2.36
Nov-12	0.00	0.00	0.14	87.83	3.99
Dec-12	0.00	0.00	0.05	89.78	2.92

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-12	421	399	430	403	421	383	425	388	421	395
Nov-12	421	406	437	412	423	386	426	394	418	400
Dec-12	420	406	433	412	420	385	422	392	416	396

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-12	685.19	0.00	296.76	0.00	1368.47	0.00
Nov-12	645.61	0.00	348.46	0.00	1287.79	0.00
Dec-12	606.10	0.00	368.72	0.00	1356.60	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Oct-12	APTRANSCO	2102	2173	71.06
	KPTCL	883	900	16.67
	KSEB	1026	1091	65.06
	TNEB	1608	1634	25.87
	PONDY	204	175	-28.65
	GOA	52	51	-1.06
Nov-12	APTRANSCO	2102	2173	71.06
	KPTCL	883	900	16.67
	KSEB	1026	1091	65.06
	TNEB	1608	1634	25.87
	PONDY	204	175	-28.65
	GOA	52	51	-1.06
Dec-12	APTRANSCO	2216	2307	91.42
	KPTCL	785	816	30.57
	KSEB	960	1040	80.32
	TNEB	2011	2065	53.68
	PONDY	217	172	-44.57
	GOA	67	60	-7.36

5. SUMMARY REPORT

i) IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	IPP UNDER OPEN ACCESS	M E P L UNIT # 1	150.000	THERMAL	07-10-2012
2	TAMIL NADU	TIRUNELVELI & UDUMALPET	2.150	WIND	31-10-2012
3	N T E C L	VALLUR	500.000	THERMAL	29-11-2012

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	KV	LENGTH	DATE
1	APTRANSCO	LILO OF RENIGUNTA - CHITTOOR DC LINE AT NAGARI	220	37.750	15-10-2012
2	TANTRANSCO	KAVANUR - KARAIKUDI	230	82.200	12-10-2012
3	APTRANSCO	MALKARAM 400 - GUN ROCK	220	32.100	30-11-2012
4	TANTRANSCO	KARAIKUDI 400-KARAIKUDI 230	230	5.150	19-11-2012
5	TANTRANSCO	LILO OF NCTPS - MOSUR LINE AT ATHIPATTU	230	4.000	09-10-2012
6	TANTRANSCO	VALLUR JV - NCTPS STAGE II	400	7.060	05-12-2012

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	APTRANSCO	NAGARI	220/132	100	15-10-2012
2	APTRANSCO	BOMMURU (AUGMENTATION)	220/132	60	04-10-2012
3	APTRANSCO	KONDAMALLEPALLY (ADDITION)	220/132	100	25-10-2012
4	TANTRANSCO	ATHIPET	230/110	100	09-10-2012
1	APTRANSCO	GUNROCK	220/132	160	30-11-2012
2	APTRANSCO	GAJWEL (ADDITION)	220/132	100	14-11-2012
3	APTRANSCO	MEDCHAL (AUGMENTATION)	220/132	60	26-11-2012
1	APTRANSCO	GUDIVADA (ADDITION)	220/132	100	01-12-2012
2	APTRANSCO	YEDDUMAILARAM (AUGMENTATION)	220/132	60	18-12-2012

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	NPCL	KUDANKULAM	BUS	63	04-10-2012

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

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

(वी. सुरेश)
उपमहाप्रबंधक (प्र.से.)