

POWER SYSTEM OPERATION CORPORATION LIMITED

S.R.L.D.C, BANGALORE

QUARTERLY REPORT

Date:

19 अक्टूबर 2012

For Period:

जुलाई 12 to सितम्बर 12

YEAR:2012-12/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-12	Andhrapradesh	9508	10722	1214	11.32
	Karnataka	7831	9131	1300	14.24
	Kerala	3268	3331	63	1.88
	Tamilnadu	11105	11863	758	6.39
	Pondicherry	311	314	3	0.96
	S.Region	30831	35640	4809	13.49
Aug-12	Andhrapradesh	9929	10910	981	8.99
	Karnataka	7689	8913	1224	13.73
	Kerala	3250	3427	177	5.16
	Tamilnadu	10751	11914	1163	9.76
	Pondicherry	300	331	31	9.47
	S.Region	29695	33483	3788	11.31
Sep-12	Andhrapradesh	10438	12461	2023	16.24
	Karnataka	7863	9050	1187	13.12
	Kerala	3158	3312	154	4.64
	Tamilnadu	10534	11477	943	8.22
	Pondicherry	308	309	1	0.39
	S.Region	30269	37384	7115	19.03

b) Energy availability and Requirement(MU)

Month	State/UT	Energy met Avg/Day (MU)	Requirement Avg/Day (MU)	Shortage (MU)	Shortage (%)
Jul-12	Andhrapradesh	6481	7817	1335.74	17.09
	Karnataka	4656	5441	784.69	14.42
	Kerala	1682	1725	43.08	2.50
	Tamilnadu	7272	7981	709.35	8.89
	Pondicherry	188	197	8.79	4.47
	S.Region	20279	23161	2881.66	12.44
Aug-12	Andhrapradesh	6513	8236	1723.84	20.93
	Karnataka	4493	5367	874.44	16.29
	Kerala	1656	1694	37.34	2.20
	Tamilnadu	6773	7851	1078.00	13.73
	Pondicherry	186	195	8.83	4.53
	S.Region	19621	23344	3722.44	15.95
Sep-12	Andhrapradesh	6503	8501	1998.66	23.51
	Karnataka	4310	5157	847.04	16.43
	Kerala	1627	1676	49.25	2.94
	Tamilnadu	6229	7612	1383.65	18.18
	Pondicherry	178	186	7.88	4.23
	S.Region	18846	23133	4286.48	18.53

2. QUALITY OF SERVICE

a) Frequency Profile (% time)

Month	<48.5Hz	48.5 - 49	49 - 49.5	49.5 - 50.2	>50.2
Jul-12	0.00	0.07	7.50	92.08	0.35
Aug-12	0.00	0.01	3.16	95.57	1.27
Sep-12	0.00	0.00	1.22	97.21	1.58

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-12	418	400	429	400	422	380	419	369	414	390
Aug-12	418	404	431	406	425	385	421	383	418	391
Sep-12	419	404	435	409	425	386	423	380	422	391

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-12	654.82	0.00	349.42	0.42	1289.96	0.68
Aug-12	676.44	0.00	215.55	3.50	1070.88	0.00
Sep-12	634.54	0.00	239.21	0.00	945.53	0.00

4. SCHEDULE Vs ACUAL DRAWAL BY STATES

Month	State/UT	Schedule (MU)	Drawal (MU)	OD(+)/UD(-)
Jul-12	APTRANSCO	1389	1513	123.76
	KPTCL	1108	1146	38.98
	KSEB	1029	1141	111.86
	TNEB	1823	1734	-88.79
	PONDY	197	188	-9.34
	GOA	57	46	-11.54
Aug-12	APTRANSCO	1735	1879	144.26
	KPTCL	811	762	-49.03
	KSEB	887	977	90.59
	TNEB	1478	1490	11.53
	PONDY	195	186	-9.18
	GOA	59	50	-9.61
Sep-12	APTRANSCO	1888	2000	112.01
	KPTCL	775	761	-14.50
	KSEB	811	881	69.52
	TNEB	1413	1413	0.33
	PONDY	190	178	-11.73
	GOA	52	45	-7.21

5. SUMMARY REPORT

IMPORANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

SL.NO.	STATE/ISGS	STATION NAME	CAPACITY (MW)	TYPE	DATE
1	TAMIL NADU	TIRUNELVELI & UDUMALPET	28.710	WIND	31-07-2012
2	IPP UNDR OPEN ACCESS	SIMHAPURI ENERGY	150.000	THERMAL	15-07-2012
3	KARNATAKA (IPP)	U P C L UNIT - 2	600.000	THERMAL	19-08-2012
4	TAMIL NADU	TIRUNELVELI & UDUMALPET	27.500	WIND	31-08-2012
5	N T P C	SIMHADRI UNIT - 4	500.000	THERMAL	30-09-2012
6	TAMIL NADU	TIRUNELVELI & UDUMALPET	20.400	WIND	30-09-2012

b) COMMISSIONING OF NEW TRANSMISSION LINES

SL.NO.	CONSTITUENT	LINE NAME	KV	LENGTH	DATE
1	POWERGRID	LILO OF UDUMALPET - TRICHUR LINE-2 AT PALAKKAD	400	24.168	13-08-2012
2	KPTCL	HASSAN - U P C L - 2	400	179.000	24-08-2012
3	APTRANSCO	THIMMAPURAM -KONDAPURAM	220	19.210	13-08-2012
4	TANTRANSCO	LILO OF TTPS-TUTICORIN LINE AT TUTICORIN JV	230	0.780	13-08-2012
5	POWERGRID	KALPAKKAM - KANCHEEPURAM LINE - 1	230	75.000	01-09-2012
6	POWERGRID	KALPAKKAM - KANCHEEPURAM LINE - 2	230	75.000	01-09-2012

c) COMMISSIONING OF NEW SUBSTATIONS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY (MVA)	DATE
1	APTRANSCO	GUDEMDODDI	220/11	50	01-08-2012
2	APTRANSCO	KONDAPURAM	220/132	200	13-08-2012
3	APTRANSCO	BRANDIX (ADDITION)	220/132	100	01-08-2012
4	APTRANSCO	PENDRUTHY (AUGMENTATION)	220/132	60	05-09-2012
5	TANTRANSCO	KARAMBAYAM - 1	230/110	100	26-09-2012
6	TANTRANSCO	KARAMBAYAM - 2	230/110	100	26-09-2012

d) COMMISSIONING OF NEW LINE / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	BUS/LINE	CAPACITY (MVAR)	DATE
1	APTRANSCO	KURNOOL	BUS	63	22-08-2012

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

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

(वी. सुरेश)
उपमहाप्रबन्धक (प्र.स.)