पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (07-अक्टूबर-2013 से -13 अक्टूबर -2013 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 15/10/2013

1. अधिकतम मांग आपूर्ति और आधिकतम कमी (मे०वा०)

क्षेत्र / दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)
07-10-2013	36489	3209	36711	215	29900	4520	15467	300	1871	277	120438	8521
08-10-2013	37862	2639	35496	117	29538	3699	15978	300	1898	242	120772	6997
09-10-2013	38246	3078	35724	98	30114	3137	15722	150	1943	175	121749	6638
10-10-2013	38385	2769	35564	107	31086	1546	16202	78	1996	195	123232	4695
11-10-2013	34003	2487	35390	83	31705	1350	15644	0	2013	181	118755	4101
12-10-2013	34786	2048	34492	104	29977	1471	11917	25	1926	129	113098	3777
13-10-2013	31385	1530	30913	75	27727	1219	9418	900	1835	155	101278	3879

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)
07-10-2013	807	180	789	101	698	130	300	74	32	22	2626	507
08-10-2013	833	179	783	102	690	133	300	66	33	19	2640	500
09-10-2013	839	177	773	102	669	117	309	63	34	19	2624	478
10-10-2013	849	176	768	103	695	130	316	66	36	19	2663	494
11-10-2013	755	175	763	92	711	130	313	67	36	17	2578	481
12-10-2013	736	179	753	88	710	106	274	52	35	16	2508	441
13-10-2013	691	165	691	68	664	103	173	48	33	13	2251	396

3. आवृति (प्रतिशत समय में)

तिथि	49.7-49.8		<49.7		49.7-50.2		>50.2		Average		FVI	
	न्यू ग्रिड	दक्षिण ग्रिड	न्यू ग्रिड	दक्षिण ग्रिड	न्यू ग्रिड	दक्षिण ग्रिड	न्यू ग्रिड	दक्षिण ग्रिड	न्यू ग्रिड	दक्षिण ग्रिड	न्यू ग्रिड	दक्षिण ग्रिड
07-10-2013	3.4	15.2	2.6	3.3	88.8	96.2	8.6	0.6	50.01	49.92	0.19	0.22
08-10-2013	5.2	24.2	0.9	7.9	94.7	90.4	4.4	1.7	50.00	49.89	0.15	0.33
09-10-2013	1.9	6.9	0.8	2.2	89.9	89.8	9.3	8.0	50.05	50.00	0.18	0.23
10-10-2013	2.3	12.4	0.8	4.5	92.9	92.0	6.3	3.5	50.03	49.94	0.15	0.25
11-10-2013	1.1	7.4	0.1	2.5	62.1	90.1	37.8	7.4	50.14	49.97	0.47	0.24
12-10-2013	0.9	4.2	0.0	0.7	84.7	92.4	15.3	6.9	50.08	50.04	0.21	0.17
13-10-2013	0.2	8.7	0.3	4.7	64.3	91.3	35.4	4.1	50.16	49.96	0.38	0.22

4. New Element Commissioned:-

(1) Korba West Power Ltd(IPP) Unit#1(600 MW) first time synchonised at 18:15 Hrs on 08.10.2013

(2) 315 MVA ICT-I at 400 kV Koderma(DVC) Sub-Station first time charged at 16:07 Hrs on 09.10.2013

(3) 315 MVA ICT-I at 22:15 Hrs and 50 MVAr Bus Reactor at 20:45 Hrs first time charged at 400 kV Didwana Sub-Station of RRVPNL.

DGM (SO)

15/10

5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

Region	Date	07-10-2013		08-10-2013		09-10-2013		10-10-2013		11-10-2013		12-10-2013		13-10-2013	
	States	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	6806	0	6756	0	6700	0	6634	0	6248	0	5416	0	4776	0
	Haryana	5659	489	6065	99	6183	208	5869	374	5308	287	5503	168	4942	0
	Rajasthan	7080	0	6945	0	7164	0	7339	0	7030	0	6673	0	6256	0
	Delhi	4053	31	4199	0	4226	0	4274	0	3677	0	3690	0	3053	0
	UP	9503	2505	10018	2365	10432	2695	10635	2150	10644	2100	10698	1780	10423	1430
	Uttarakhand	1603	80	1597	75	1589	75	1528	145	1557	0	1551	0	1388	0
	HP	1197	4	1251	0	1261	0	1227	0	1251	0	1175	0	1060	0
	J&K	1632	100	1597	100	1683	100	1698	100	1602	100	1672	100	1650	100
	Chandigarh	239	0	245	0	233	0	233	0	217	0	209	0	182	0
WR	Chhattisgarh	2713	27	2695	19	2729	19	2798	19	2812	19	2501	19	227	19
	Gujarat	10214	58	9591	37	9497	17	9567	30	9867	12	9419	30	8836	6
	MP	6342	20	6266	0	6446	0	6222	0	6174	0	6783	0	5539	0
	Maharashtra	16147	106	16044	61	15803	62	15511	58	15271	52	15145	55	13368	50
	Goa	407	1	407	0	406	0	386	0	410	0	387	0	353	0
	DD	260	1	263	0	263	0	266	0	263	0	263	0	263	0
	DNH	633	2	633	0	637	0	638	0	626	0	624	0	593	0
	Essar steel	290	1	263	0	347	0	347	0	226	0	251	0	286	0
SR	Andhra Pradesh	9532	3500	9486	2500	9570	2000	10111	500	10264	200	10171	0	9851	0
	Karnataka	7628	300	7694	350	7793	300	7916	300	7957	350	7711	350	7636	400
	Kerala	3137	150	3180	150	3116	150	3251	75	3120	150	2818	450	2833	150
	Tamil Nadu	12056	525	11193	654	11156	657	11415	643	11416	610	11495	651	9909	669
	Pondy	300	45	280	45	298	30	303	28	297	40	282	20	255	0
ER	Bihar	2169	100	2118	300	2152	150	2246	0	2233	0	2206	0	1977	900
	DVC	2471	0	2644	0	2644	0	2667	0	2490	0	2467	0	2121	0
	Jharkhand	924	0	881	0	881	0	998	0	1003	0	980	0	691	0
	Odisha	3630	200	3666	0	3666	0	3647	0	3149	0	2592	0	1678	0
	West Bengal	6363	0	6800	0	6568	0	6821	78	6905	0	5760	25	5021	0
	Sikkim	89	0	90	0	90	0	95	0	82	0	81	0	69	0
NER	Arunachal Pradesh	87	1	98	2	99	1	103	2	101	4	98	4	96	6
	Assam	1102	204	1158	127	1182	107	1177	104	1196	85	1139	43	1080	72
	Manipur	101	4	103	2	100	5	104	1	108	2	102	8	100	1
	Meghalaya	260	5	261	1	236	1	265	13	268	10	264	3	221	19
	Mizoram	55	7	58	4	56	6	55	7	53	3	55	1	54	2
	Nagaland	93	1	90	4	92	2	98	1	98	1	97	2	99	2
	Tripura	215	3	202	10	220	0	250	5	238	2	228	0	223	2

6. Energy Consumption in States (MUs)

Region	States	07-10-2013	08-10-2013	09-10-2013	10-10-2013	11-10-2013	12-10-2013	13-10-2013
NR	Punjab	145.5	147.0	146.9	143.0	127.9	112.9	102.6
	Haryana	125.9	131.4	136.5	129.7	101.3	102.5	95.6
	Rajasthan	151.3	152.7	154.3	157.3	144.9	140.6	134.5
	Delhi	85.9	89.2	90.3	91.0	76.2	72.9	66.5
	UP	206.1	218.4	218.6	234.3	217.1	217.1	207.7
	Uttarakhand	34.0	34.3	30.9	32.4	28.5	31.2	28.6
	HP	24.1	25.0	24.4	24.1	23.8	23.4	20.7
	J&K	29.3	30.5	32.4	32.7	31.0	31.2	31.0
	Chandigarh	4.7	4.9	4.7	4.7	4.2	3.9	3.5
WR	Chhattisgarh	59.1	57.3	59.9	59.3	60.3	59.6	51.7
	Gujarat	220.7	212.3	201.9	202.8	207.2	205.9	192.8
	MP	126.3	125.7	124.9	126.0	123.0	122.4	112.6
	Maharashtra	348.7	352.5	349.7	345.0	338.3	330.8	301.1
	Goa	7.8	8.4	8.5	8.1	8.1	8.2	7.4
	DD	6.1	6.1	6.1	6.2	6.2	6.2	6.2
	DNH	14.8	15.0	14.9	15.0	15.0	14.8	13.3
	Essar steel	5.4	5.8	6.5	6.5	4.7	5.1	5.0
SR	Andhra Pradesh	208.8	211.8	202.2	225.5	230.4	236.3	230.5
	Karnataka	160.4	158.6	157.6	159.8	164.8	158.7	151.9
	Kerala	57.3	58.9	56.8	58.0	58.4	56.8	52.0
	Tamil Nadu	264.9	254.4	246.2	245.0	251.6	251.8	223.9
	Pondy	6.2	5.9	5.9	6.2	6.1	6.1	5.3
ER	Bihar	44.1	44.5	42.3	44.0	45.0	45.0	27.2
	DVC	55.4	54.2	55.9	55.2	57.6	55.6	38.5
	Jharkhand	19.8	19.0	19.3	19.8	20.7	19.1	8.4
	Odisha	70.4	67.9	68.9	68.8	66.8	34.3	9.9
	West Bengal	108.9	113.2	120.9	126.3	121.9	118.8	88.4
	Sikkim	1.3	1.2	1.5	1.3	1.3	1.6	1.0
NER	Arunachal Pradesh	1.3	1.4	1.2	1.4	1.4	1.4	1.8
	Assam	19.4	20.2	21.3	22.6	23.3	21.1	19.8
	Manipur	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	Meghalaya	4.5	4.6	4.5	4.0	3.9	4.6	3.2
	Mizoram	1.0	1.0	1.1	1.0	1.0	1.1	1.0
	Nagaland	1.2	1.2	1.4	1.4	1.4	1.5	1.5
	Tripura	3.4	3.5	3.5	3.7	3.9	3.8	3.8

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (07-अक्टूबर-2013 से -13 अक्टूबर -2013 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय

दिनांक	07-10-2013	08-10-2013	09-10-2013	10-10-2013	11-10-2013	12-10-2013	13-10-2013
East to North	-54.8	-48.9	-42.4	-43.0	-41.2	-42.3	-46.4
East to West	0.5	-3.0	3.7	0.1	-3.2	-1.0	-4.0
East to South	-16.0	-16.8	-19.7	-18.1	-17.3	-20.5	-24.7
East to North-East	0.6	-2.7	-8.5	-8.0	-5.9	-2.1	4.0
West to North	-39.3	-33.9	-30.8	-35.3	-33.9	-37.1	-25.6
West to South	-22.5	-22.0	-22.3	-22.4	-22.2	-22.7	-22.3

8). Major Grid Incidences(Provisional):-

A	B		C	D	E	F	G	H		I
S. NO.	Outage		Region	Name of Element	Owner / Agency	Event	Generation / Load Loss	Revival		Category as per CEA Grid Standards
	Date	Time						Date	Time	
1	04.10.13	0037 hrs	NR	1) 220 kV RSD-Sarna T/C 2) 220 kV Dasuya(PSEB)-Sarna(PSEB) D/C 3) 220 kV Kishenpur(PG)-Sarna(PSEB) D/C 4) 220 kV Sarna(PSEB)-Udhampur(JK) 5) 220 kV Sarna-Wadala Granthian T/C 6) 220 kV Sarna-Tibber 7) 220 kV Heeranagar(JK)-Sarna(PSEB)	PG/PSEB	Due to lightening and bad weather lines given in Column D tripped.	Load Loss = 60 MW	04.10.13	0155 hrs	GD-I
2	04.10.13	1456 hrs	SR	1) All 220 kV lines from VTPS 2) VTPS Unit-2,3,4,5,6(210 MW each)	APTRANSCO	Due to B-Phase CT failure of 220 kV VTPS-Narsaraopeta at VSTPS elements given in column D tripped.	Gen. Loss=900 MW	06.10.13		GD-I
3	05.10.13	1045 hrs	NR	1) 220 kV Meerut-Modipuram D/C 2) 220 kV Modipuram-Shatabdinagar 3) 220 kV Modipuram-Muzzafarnagar 4) 220 kV Modipuram-Muradnagar	UP	Due to sparking of isolator of 220 kV Meerut-Modipuram-II all 220 kV lines at 220 kV Modipuram S/S tripped.	Load Loss=150 MW	05.10.13	1200 hrs	GD-I
4	05.10.13	1740 hrs	ER	1) 220 kV Mendhasal-Chandaka-I,II,III,IV	GRIDCO	Due to R-N fault in 220 kV Mendhasal-Chandaka-I,all the elements given in Column D tripped.	Load Loss = 150 MW	05.10.13	1805 hrs	GD-I
5	08.10.13	0910 hrs	ER	1) 220 kV Ramchandrapur-Chandil 2) 220 kV Santaldih-Chandil 3) 220 kV Ranchi-Chandil 4) 132 kV Hatia-Chandil 5) 100 MVA ICT-I,II,III at Chandil	JSEB	Due to bursting of 220 kV side R-Phase Lightening Arrestor of 100 MVA ICT-III at Chandil S/S elements given in Column D tripped.	Load Loss=150 MW	08.10.13	1054 hrs	GD-I
6	09.10.13	1626 hrs	ER	1) CESC System 2) Unit-3 of Budge Budge(250 MW)	WBSETCL/ CESC	Due to Bus differential protection operation at 132 kV Bus of EM Bypass S/S of CESC, CESC system got separated from NEW grid.	Load Loss = 200 MW Generation Loss= 220 MW	09.10.13	1700 hrs	GD-I

8). Major Grid Incidences(Provisional):-

A	B		C	D	E	F	G	H		I
S. NO.	Outage		Region	Name of Element	Owner / Agency	Event	Generation / Load Loss	Revival		Category as per CEA Grid Standards
	Date	Time						Date	Time	
7	10.10.13	1108 hrs	ER	1) 220 kV Bus Tie 2) 220 kV Chandrapur-Kalyaneswari-I 3) 220 kV Kalyaneswari-Mejia TPS D/C 4) 220 kV Kalyaneswari-Maithon(PG)-I 5) 150 MVA Kalyaneswari Autotransformer	DVC	Due to bus fault occurred in 220 kV Main Bus-I at Kalyaneswari S/S due to which all the 220 kV lines & ATRs connected to the said bus tripped.	Load Loss = 335 MW	10.10.13	1230 hrs	GD-I
8	10.10.13	1511 hrs	NR	1) 400 kV Abdullapur-Karcham Wangatoo D/C 2) 400 kV Karcham Wangtoo-Jhakri 3) Karcham Wangatoo Unit-I & II (250 MW each)	JPL	Due to tripping of lines on B-N fault generating units of K.Wangtoo tripped.	Generation Loss= 400 MW	10.10.13	1536 hrs	GD-I
9	11.10.13	2055 hrs	ER	1) 220 kV Ramchandrapur-Chandil 2) 220 kV Santaldih-Chandil 3) 220 kV Ranchi-Chandil 4) 132 kV Hatia-Chandil 5) 132 kV Adityapur-Chandil	JSEB	Due to jumper snapping between CB & CT of 220 kV Ramchandrapur-Chandil Bay at Chandil S/S elements given in Column D tripped.	Load Loss=160 MW	11.10.13	2235 hrs	GD-I
10	12.10.13	2359 hrs	ER/SR	Talcher-Kolar HVDC Bipole	PG/NTPC	Due to line fault at cyclone area,both the poles of Tacher-Kolar HVDC Bipole tripped.	Load Loss = 700MW (appx)	13.10.13	0106 hrs	GD-I