

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

साप्ताहिक रिपोर्ट (11 अगस्त से - 17 अगस्त -2014 तक)

रिपोर्टिंग तिथि:- 19/08/2014

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वांतर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
11-08-2014	38700	1840	32940	223	28904	1550	15580	210	2026	287	118150	4110
12-08-2014	41814	2925	36290	756	32400	1350	16053	413	1979	315	128536	5759
13-08-2014	42019	4118	36840	396	33022	750	15846	393	1998	299	129725	5956
14-08-2014	42419	3828	37591	336	33554	1580	15272	800	1939	347	130775	6891
15-08-2014	43110	3451	37665	717	32474	1470	16008	1000	1878	327	131135	6965
16-08-2014	42625	2522	35852	981	31408	2350	15028	700	1790	436	126703	6989
17-08-2014	42762	2580	35643	291	30856	670	16055	100	1922	413	127238	4054

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०वू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वांतर क्षेत्र		कुल	
	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन
	(मि०वू०)	(मि०वू०)	(मि०वू०)	(मि०वू०)	(मि०वू०)	(मि०वू०)	(मि०वू०)	(मि०वू०)	(मि०वू०)	(मि०वू०)	(मि०वू०)	(मि०वू०)
11-08-2014	915	336	762	61	728	109	323	79	38	17	2765	602
12-08-2014	948	340	745	64	768	127	338	85	38	16	2837	632
13-08-2014	950	315	823	57	759	127	340	85	39	18	2911	601
14-08-2014	981	336	839	60	772	128	342	88	39	21	2973	632
15-08-2014	1000	334	843	49	778	129	335	84	36	22	2992	619
16-08-2014	953	325	821	58	741	127	311	82	35	23	2861	614
17-08-2014	956	319	801	75	758	132	342	85	39	17	2896	627

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9		<49.9		49.9-50.05		>50.05		Average		FVI	
	औ० ई० चिड	दक्षिण चिड	औ० ई० चिड	दक्षिण चिड	औ० ई० चिड	दक्षिण चिड	औ० ई० चिड	दक्षिण चिड	औ० ई० चिड	दक्षिण चिड	औ० ई० चिड	दक्षिण चिड
11-08-2014	12.05	12.05	18.97	62.07	62.07	62.07	18.96	18.96	49.95	49.95	0.18	0.18
12-08-2014	16.03	21.35	38.05	38.05	49.89	49.89	12.06	12.06	49.96	49.96	0.19	0.19
13-08-2014	25.45	25.45	41.10	41.10	51.33	51.33	7.51	7.51	49.96	49.96	0.17	0.17
14-08-2014	23.74	23.74	38.96	38.96	54.16	54.16	6.89	6.89	49.96	49.96	0.14	0.14
15-08-2014	24.20	24.20	35.05	35.05	56.82	56.82	8.14	8.14	50.00	50.00	0.15	0.15
16-08-2014	21.94	21.94	28.40	28.40	63.40	63.40	8.19	8.19	49.99	49.99	0.12	0.12
17-08-2014	17.62	17.62	21.92	21.92	60.41	60.41	17.67	17.67	49.99	49.99	0.16	0.16

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

On 11th August at 13:18 Hrs 765/400 KV 1500MVA ICT-1 Charged for the first time at Angul
On 11th August at 20:01 Hrs 3x110 MVAR Bus Reactor is taken into service for the first time at Angul
On 12th August at 20:40 Hrs 765 Kv Line Reactor at Durg was taken into service for the first time at Durg
On 12th August at 16:45 & 18:04 Hrs respectively , 400 KV Makhu - Mukhtsar Ckt I & II were taken into service for the first time
On 16th August at 17:41 Hrs 400/110 KV 200 MVA ICT-1 at Kaythar was taken into service for the first time.

DGM (SO) 19/8/14

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

Region	Date	11-08-2014		12-08-2014		13-08-2014		14-08-2014		15-08-2014		16-08-2014		17-08-2014	
	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	8560	0	9163	0	8393	-1250	9430	0	9330	0	8946	0	8868	0
	Haryana	7879	0	8258	0	8270	0	8394	0	8402	0	8103	0	7956	0
	Rajasthan	6042	0	6563	0	6812	115	6994	0	7054	0	7384	0	6589	0
	Delhi	4476	0	4768	133	5171	0	5221	3	5152	0	4621	0	4772	0
	UP	11099	3175	11099	3070	10996	3205	10835	3435	10901	3770	10585	3610	11575	3525
	Uttarakhand	1541	0	1657	120	1642	210	1591	65	1681	110	1561	75	1673	75
	HP	1114	0	1184	0	1225	0	1236	0	1163	0	1144	0	1247	0
	J&K	1565	100	1609	100	1673	100	1541	100	1632	100	1597	100	1620	100
	Chandigarh	265	0	312	0	324	0	298	0	301	0	254	0	263	0
WR	Chhattisgarh	2588	42	2672	261	2711	42	2711	42	2946	167	2939	211	2806	42
	Gujarat	8725	0	10181	46	10560	44	10672	45	10561	0	9698	20	9992	10
	MP	6236	0	6049	37	6132	18	6362	0	6505	0	6489	70	6236	0
	Maharashtra	15499	51	16819	55	16888	51	17248	53	17099	55	16731	174	15499	51
	Goa	307	0	374	0	343	0	370	45	366	0	342	45	410	0
	DD	230	0	256	0	265	0	272	0	271	0	256	0	269	0
	DNH	672	0	668	0	668	45	670	0	671	0	639	0	672	5
	Essar steel	363	0	314	0	282	0	293	0	342	0	438	0	498	0
SR	Andhra Pradesh	6260	300	6175	300	6402	0	6478	400	6525	250	6193	0	6469	0
	Telangana	6233	800	6267	600	6379	0	6308	700	6245	250	6235	1500	6254	200
	Karnataka	7237	300	7729	300	7729	600	7821	280	7643	500	7433	700	7399	300
	Kerala	2804	150	3001	150	3001	150	3049	200	2963	450	3033	150	2967	150
	Tamil Nadu	10866	0	12137	0	12606	0	12422	0	12703	0	11632	0	12102	0
	Pondy	277	0	320	0	295	0	306	0	290	20	248	0	306	20
	Bihar	2374	150	2308	0	2264	100	2314	240	2146	400	2206	250	2281	125
ER	DVC	2370	100	2439	250	2123	250	2210	400	2127	250	2170	0	2419	100
	Jharkhand	922	0	1000	0	990	0	1008	0	941	0	950	0	894	0
	Odisha	3577	0	3553	0	3488	0	3641	0	3548	0	3328	200	3631	0
	West Bengal	6669	0	7224	13	7505	9	6976	0	7382	0	6639	0	7084	0
	Sikkim	77	0	83	0	86	0	84	0	88	0	83	0	89	0
NER	Arunachal Pradesh	105	4	107	2	111	1	110	2	105	1	108	2	106	3
	Assam	1207	172	1182	180	1210	134	1190	183	1187	147	1079	246	1180	228
	Manipur	120	4	130	2	128	2	126	1	128	2	130	8	122	2
	Meghalaya	251	24	271	4	280	8	245	10	235	15	255	5	268	7
	Mizoram	76	3	78	2	77	1	79	1	73	2	80	5	78	1
	Nagaland	109	1	116	1	114	3	110	4	106	4	102	3	105	5
	Tripura	235	5	218	8	223	3	210	9	197	6	195	7	224	6

6. Energy Consumption in States (MUs)

Region	States	11-08-2014	12-08-2014	13-08-2014	14-08-2014	15-08-2014	16-08-2014	17-08-2014
NR	Punjab	196.2	204.7	198.8	207.9	213.9	198.9	196.5
	Haryana	163.7	165.3	174.6	174.7	177.9	169.0	175.6
	Rajasthan	131.5	138.0	142.9	149.2	154.7	163.7	142.7
	Delhi	88.8	98.9	106.3	107.0	106.0	95.7	101.6
	UP	245.3	241.1	243.2	242.9	249.8	249.3	254.6
	Uttarakhand	33.0	35.1	19.6	35.2	35.6	29.0	35.7
	HP	23.2	25.3	26.2	25.6	22.9	22.8	25.8
	J&K	28.1	32.9	32.0	32.0	32.6	19.8	18.4
	Chandigarh	5.0	6.2	6.3	6.1	6.1	5.2	5.4
WR	Chhattisgarh	61.2	61.8	60.5	60.5	65.6	68.3	65.8
	Gujarat	192.0	219.0	233.7	237.6	237.3	219.4	222.8
	MP	127.3	122.3	122.5	128.8	128.0	134.2	127.3
	Maharashtra	345.7	307.3	372.1	376.7	375.6	362.0	345.7
	Goa	6.7	7.6	7.8	7.9	8.0	8.6	7.4
	DD	6.1	5.5	5.8	5.9	6.2	5.2	6.1
	DNH	15.4	14.9	14.9	15.4	15.4	14.1	15.4
	Essar steel	7.1	6.8	6.0	6.4	6.9	8.8	10.7
SR	Andhra Pradesh	142.7	147.7	146.3	146.1	143.4	143.0	145.5
	Telangana	138.3	146.0	134.7	141.1	139.3	135.5	136.8
	Karnataka	148.8	157.8	159.6	161.6	162.1	159.7	156.4
	Kerala	51.1	54.6	54.2	55.1	55.6	55.8	54.2
	Tamil Nadu	241.2	256.0	258.2	261.6	271.0	242.5	258.6
	Pondy	6.0	6.3	6.3	6.2	6.3	4.8	6.5
ER	Bihar	47.2	47.4	45.6	42.6	40.9	42.4	46.8
	DVC	55.6	54.2	51.1	49.9	50.3	50.1	56.9
	Jharkhand	18.7	20.2	20.8	19.5	20.3	18.6	18.7
	Odisha	68.7	71.2	72.7	75.0	75.2	68.7	71.6
	West Bengal	131.9	144.2	148.2	154.2	146.7	129.7	146.8
	Sikkim	0.9	1.1	1.2	1.2	1.1	1.2	1.2
NER	Arunachal Pradesh	1.7	1.7	1.7	1.8	1.8	1.8	1.7
	Assam	24.8	24.8	24.7	24.6	24.0	22.1	25.3
	Manipur	1.7	1.7	1.7	1.8	1.7	1.7	1.7
	Meghalaya	4.3	4.3	4.4	4.2	3.8	4.4	4.2
	Mizoram	1.1	1.1	1.1	1.2	1.2	1.2	1.1
	Nagaland	1.6	1.7	1.7	1.7	1.6	1.6	1.6
	Tripura	2.9	3.0	3.2	3.1	2.4	2.6	3.0
ALL INDIA TOTAL		2765.5	2837.6	2910.8	2972.3	2991.2	2861.4	2896.2

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

साप्ताहिक रिपोर्ट (11 अगस्त से - 17 अगस्त -2014 तक) □
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-)]

दिनांक	11-08-2014	12-08-2014	13-08-2014	14-08-2014	15-08-2014	16-08-2014	17-08-2014
East to North	-30.1	-33.2	-45.0	-38.9	-41.3	-40.6	-36.4
East to West	14.2	7.2	3.0	5.6	4.5	5.9	12.2
East to South	-34.4	-35.4	-36.9	-30.0	-34.7	34.0	-35.0
East to North-East	-1.0	0.2	-0.1	-0.5	-0.3	-0.7	-2.5
West to North	-31.4	-29.4	-31.8	-39.1	-39.8	-43.2	36.0
West to South	-26.9	-24.9	-25.7	-25.3	-25.1	-27.1	-28.8

भूटान , नेपाल एवं बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH साप्ताहिक रिपोर्ट (11 अगस्त से - 17 अगस्त -2014 तक)☺								
अंतरराष्ट्रीय विद्युत विनिमय [भारत से दूसरे देश को आयात (+) / निर्यात (-)] Transnational Exchange from India (Import=(+ve) /Export =(-ve))								
दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश BANGLADESH		
	Energy Exchange (In MU)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)
11-08-2014	32.7	1363	-2.1	-129	-88	-9.2	-427	-383
12-08-2014	32.7	1363	-1.4	-78	-56	-9.2	-423	-383
13-08-2014	32.6	1360	-1.4	-102	-59	-9.6	-403	-400
14-08-2014	32.5	1355	-1.1	-114	-45	-9.1	-411	-380
15-08-2014	32.2	1342	-1.5	-103	-61	-9.3	-407	-388
16-08-2014	32.7	1363	-2.1	-102	-86	-9.5	-395	-394
17-08-2014	32.7	1363	-1.6	-125	-67	-9.7	-417	-405
कुल Total	228.2		-11.1			-65.6		

8). Major Grid Incidences(Provisional):-

Outage		Region	Name of Element	Owner / Agency	Event	Generation/Load Loss	Revival		Category as per CEA Grid Standards
Date	Time						Date	Time	
A	B	C	D	E	F	G	H	I	J
11.08.2014	1052 hrs	ER	1).220kV Maithon-kalyaneshwari D/C 2).220kV Maithon-Dhanbad D/C 3).315MVA 400/220kV ICT-I &II at Maithon	DVC/PG	Due to Failure of R-Phase CVT of Bus-II,given elements in Coulum D tripped	Load Loss=Nil	11.08.2014	1159 hrs	GI-I
12.08.2014	0406 hrs	NER	1). Imphal-Imphal(PG) D/C 2). Imphal(PG)-Loktak D/C	PG/NHPC	132 KV Imphal S/S became dead, due to tripping of Imphal-Imphal line in Zone II protection (fault reported in 33 KV system).	Load Loss=60MW Gen Loss=20MW(back down by Loktak)	12.08.2014		GD-I
13.08.2014	1608 hrs	ER	1).220kV Maithon-kalyaneshwari D/C 2).220kV Maithon-Dhanbad D/C 3).315MVA 400/220kV ICT-I &II at Maithon	DVC/PG	While taking Bus II in service at Maithon S/s (PG), due to suspected Busbar mal-operation given elements in column D tripped.	Load Loss=Nil	13.08.2014	1652 hrs	GI-I
14.08.2014	1211 hrs	NER	1). 132kV Lakwal(LTPS)-Mariani line 2). 100MVA 220/132kV ICT-I and II at Mariani	AEGCL	While charging 132kV Lakwa(LTPS)-Mariani line (which was tripped on DP, R_B fault at 1150 hrs), elements connected to 220KV Mariani (ASEB) S/S tripped.	Load Loss=80MW	14.08.2014	1220hrs	GD-I
15.08.2014	1406 hrs	ER	1).220kV Biharsariff-Tenughat line 2). 220kV Biharsariff-Begusarai D/C 3). 3*315MVA ICTs at Biharshariff	BSEB	Due to overflowing of adjacent river Panchyanan with in the switchyard and control room ,given element were hand tripped.	Load loss =200MW	16.08.2014	1000hrs	GD-I
16.08.2014	1929 hrs	ER	1). 220kV Theruvali-U.Kolab Ckt 2). 220kV Theruvali-Jayanagar D/C 3).220kV Theruvali-Bhanjnagar D/C 4). 220kV Theruvali-Indravati D/C 5).220kV Theruvali-Narendrapur D/C	OPTCL	Due to failure of Y-Phase post insulator used for bypassing of Bus-I main Breaker of 220kV Theruvali-U.Kolab line and Y-Phase jumper along with breaker side post insulator fell on ground at Theruvali end causing Bus fault resulting in elements tripping given in coulum D .	Load Loss=Nil	16.08.2014	2211 hrs	GI-I