

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

साप्ताहिक रिपोर्ट (28 अप्रैल-2014 से -04 मई-2014 तक)

रिपोर्टिंग तिथि:- 06/05/2014

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

1. अधिकतम मांग आपूर्ति और आधिकतम कमी (मेग्वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति (मेग्वा०)	आधिकतम कमी (मेग्वा०)	अधिकतम मांग आपूर्ति (मेग्वा०)	आधिकतम कमी (मेग्वा०)	अधिकतम मांग आपूर्ति (मेग्वा०)	आधिकतम कमी (मेग्वा०)	अधिकतम मांग आपूर्ति (मेग्वा०)	आधिकतम कमी (मेग्वा०)	अधिकतम मांग आपूर्ति (मेग्वा०)	आधिकतम कमी (मेग्वा०)	अधिकतम मांग आपूर्ति (मेग्वा०)	आधिकतम कमी (मेग्वा०)
28-04-2014	37490	1883	40765	254	33808	3425	15538	59	1818	327	129419	5948
29-04-2014	38149	2495	40981	142	33153	2700	15847	251	1585	477	129715	6065
30-04-2014	38163	3059	39663	317	32365	3238	16840	49	1891	295	128922	6958
01-05-2014	38592	1725	39027	125	30543	981	13516	23	1731	388	123409	3242
02-05-2014	35370	1525	40442	104	32315	2620	13780	300	1975	191	123882	4740
03-05-2014	36530	1500	40016	88	31884	2652	13827	200	1777	296	124033	4736
04-05-2014	35685	1810	38319	116	30632	1757	13378	252	1760	194	119774	4129

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)
28-04-2014	827	166	994	75	788	90	348	38	29	3	2985	372
29-04-2014	848	176	1001	65	794	89	351	40	31	6	3024	376
30-04-2014	858	190	965	56	783	85	357	41	31	3	2994	375
01-05-2014	875	202	934	43	753	64	340	36	31	3	2934	349
02-05-2014	861	207	939	50	759	91	315	35	30	3	2904	386
03-05-2014	846	207	961	45	760	88	288	31	30	2	2886	373
04-05-2014	840	220	929	33	741	63	282	19	30	5	2821	341

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9		<49.9		49.9-50.05		>50.05		Average		FVI	
	ऑ० ई० चिड	दक्षिण चिड	ऑ० ई० चिड	दक्षिण चिड	ऑ० ई० चिड	दक्षिण चिड	ऑ० ई० चिड	दक्षिण चिड	ऑ० ई० चिड	दक्षिण चिड	ऑ० ई० चिड	दक्षिण चिड
28-04-2014	24.2	24.2	35.0	35.0	50.4	50.4	14.6	14.6	49.94	49.94	0.170	0.170
29-04-2014	31.1	31.1	54.7	54.7	36.4	36.4	9.0	9.0	49.89	49.89	0.115	0.115
30-04-2014	22.3	22.3	32.3	32.3	54.0	54.0	13.8	13.8	49.94	49.94	0.149	0.149
01-05-2014	12.2	12.2	13.3	13.3	53.9	53.9	32.8	32.8	50.02	50.02	0.136	0.136
02-05-2014	6.9	6.9	7.5	7.5	51.5	51.5	41.0	41.0	50.04	50.04	0.117	0.117
03-05-2014	6.7	6.7	8.1	8.1	39.5	39.5	52.4	52.4	50.05	50.05	0.126	0.126
04-05-2014	9.5	9.5	11.1	11.1	50.7	50.7	38.2	38.2	50.03	50.03	0.161	0.161

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

At 1938 hrs on 02.05.2014, 765 kV Bina-Gwalior-III
At 1352 hrs on 03.05.2014, 765 kV main Bay of Durg-Champa-I at Durg
At 1647 hrs on 03.05.2014, 765 kV main bay of Durg-Champa-II at Durg

पुनः 2014/2334
DGM (SO) 6/5/14

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

Region	Date	28-04-2014		29-04-2014		30-04-2014		01-05-2014		02-05-2014		03-05-2014		04-05-2014	
	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	5589	0	6002	0	5733	0	5946	0	5667	0	5398	0	5388	0
	Haryana	5883	53	6034	71	6105	0	6139	0	5812	0	5530	0	5620	0
	Rajasthan	7492	0	7729	339	8047	1189	7975	0	7931	0	8233	0	7527	0
	Delhi	4037	0	4115	0	4377	0	4370	0	4593	0	4274	0	4351	0
	UP	11533	1645	11764	1910	11875	1680	12212	1550	12257	1350	11907	1400	12579	1710
	Uttarakhand	1618	85	1617	75	1627	90	1550	75	1581	75	1692	0	1569	0
	HP	1180	0	1204	0	1232	0	1139	0	1181	0	1189	0	1122	0
	J&K	1411	100	1462	100	1450	100	1444	100	1512	100	1524	100	1368	100
	Chandigarh	205	0	243	0	259	0	255	0	271	0	238	0	203	0
WR	Chhattisgarh	3368	49	3335	49	3303	61	3124	49	3072	49	3238	49	3098	53
	Gujarat	13413	22	13740	9	12731	42	13110	0	12991	0	13026	0	12844	4
	MP	7102	0	6979	0	6946	27	6906	0	6693	0	6932	0	6408	8
	Maharashtra	19370	183	19222	84	19074	181	17417	76	18219	55	18761	39	17646	48
	Goa	426	0	425	0	415	2	386	0	421	0	428	0	324	0
	DD	290	0	289	0	256	1	197	0	271	0	281	0	273	0
	DNH	684	0	682	0	655	2	614	0	670	0	672	0	649	1
	Essar steel	402	0	445	0	388	1	489	0	566	0	598	0	569	1
SR	Andhra Pradesh	10957	1500	11176	600	11460	1000	11322	0	10928	800	11329	1200	10917	800
	Karnataka	8418	400	8307	450	7967	1400	7455	300	7511	600	7576	600	7420	300
	Kerala	3319	250	3279	150	2753	763	2708	0	3267	75	3255	75	2967	0
	Tamil Nadu	12398	1275	12237	1500	12120	75	11883	681	12103	1145	12010	777	11625	657
	Pondy	336	0	348	0	336	0	303	0	341	0	332	0	297	0
ER	Bihar	2499	0	2391	100	2472	0	2152	0	2312	300	2375	200	2343	200
	DVC	2626	0	2460	0	2560	0	2544	0	2399	0	2478	0	2382	0
	Jharkhand	993	0	953	105	985	0	883	0	856	0	1068	0	918	0
	Odisha	3503	0	3767	0	3913	0	3593	0	3605	0	3399	0	3067	0
	West Bengal	7116	59	7269	46	7219	49	6694	23	6243	0	5827	0	5860	52
	Sikkim	88	0	80	0	88	0	61	0	72	0	54	0	61	0
NER	Arunachal Pradesh	98	2	98	2	103	2	96	9	100	2	99	6	99	6
	Assam	1090	248	1001	274	1190	145	1008	276	1212	128	1127	173	1200	8
	Manipur	83	7	81	9	90	5	99	11	103	2	79	21	95	5
	Meghalaya	225	5	210	2	221	29	221	9	220	5	209	6	161	14
	Mizoram	70	5	70	5	69	6	64	11	69	1	67	8	68	7
	Nagaland	92	3	90	5	88	2	86	4	80	3	85	0	84	1
	Tripura	210	2	190	27	217	11	207	7	226	2	184	4	198	2

6. Energy Consumption in States (MUs)

Region	States	28-04-2014	29-04-2014	30-04-2014	01-05-2014	02-05-2014	03-05-2014	04-05-2014
NR	Punjab	115.9	119.2	114.8	118.6	115.7	115.4	112.1
	Haryana	110.7	114.5	118.1	122.0	117.7	116.3	116.1
	Rajasthan	166.8	167.7	171.5	176.2	170.9	171.3	163.0
	Delhi	84.4	87.3	90.7	93.0	96.2	91.9	86.8
	UP	261.3	268.0	269.6	273.5	264.8	259.2	272.3
	Uttarakhand	34.0	34.1	34.5	33.9	32.7	30.8	33.7
	HP	23.7	24.3	24.2	23.5	24.9	25.3	23.3
	J&K	25.8	27.9	29.9	29.7	33.1	30.4	28.5
	Chandigarh	4.0	4.7	4.9	5.1	5.2	5.0	4.1
WR	Chhattisgarh	78.6	78.0	77.2	74.2	73.7	73.4	76.0
	Gujarat	297.0	305.0	279.1	288.6	288.6	289.9	280.4
	MP	155.6	154.0	155.2	152.0	150.4	149.1	142.1
	Maharashtra	423.3	424.0	418.4	382.9	385.3	405.1	390.0
	Goa	8.6	9.4	9.3	8.2	8.9	9.6	8.1
	DD	6.5	6.3	4.3	4.4	5.7	6.3	6.2
	DNH	15.7	15.6	13.1	14.2	15.3	15.6	13.9
	Essar steel	8.5	9.0	8.3	9.9	11.1	12.6	12.1
SR	Andhra Pradesh	255.7	260.6	260.9	256.3	256.0	254.4	246.5
	Karnataka	181.8	179.9	176.9	162.3	162.4	162.7	154.0
	Kerala	63.7	66.2	61.4	54.2	60.6	61.4	57.5
	Tamil Nadu	279.1	279.5	276.1	273.3	273.1	274.5	276.7
	Pondy	7.2	7.3	7.2	6.4	7.0	7.2	6.2
ER	Bihar	46.6	48.4	49.1	43.0	40.7	42.8	43.2
	DVC	60.2	57.7	58.7	59.6	56.0	52.7	52.7
	Jharkhand	19.4	20.7	22.2	21.6	19.5	16.3	17.1
	Odisha	74.6	74.8	74.7	73.6	73.4	71.2	65.9
	West Bengal	145.9	147.9	150.5	141.6	124.7	105.1	102.1
	Sikkim	1.1	1.1	1.6	0.8	0.9	0.6	0.8
NER	Arunachal Pradesh	1.4	1.4	1.4	1.4	1.7	1.4	1.5
	Assam	18.9	20.5	20.0	19.7	18.6	20.0	19.0
	Manipur	1.4	1.4	1.3	1.4	1.4	1.4	1.4
	Meghalaya	2.8	2.9	3.0	3.2	2.9	3.0	3.1
	Mizoram	0.9	0.9	0.9	1.1	0.9	0.9	1.1
	Nagaland	1.5	1.4	1.3	1.4	1.4	1.3	1.1
	Tripura	2.0	2.2	2.6	3.0	2.8	2.2	2.4
ALL INDIA TOTAL		2984.7	3023.8	2992.9	2933.8	2904.2	2885.9	2821.2

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

साप्ताहिक रिपोर्ट (28 अप्रैल-2014 से -04 मई-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	28-04-2014	29-04-2014	30-04-2014	01-05-2014	02-05-2014	03-05-2014	04-05-2014
East to North	-21.5	-24.9	-18.0	-24.9	-27.5	-30.9	-25.4
East to West	1.1	2.3	1.8	2.6	2.4	-5.9	-6.3
East to South	-14.3	-12.7	-12.0	-12.1	-16.0	-12.6	-8.9
East to North-East	-7.8	-5.3	-7.7	-10.1	-12.5	-9.3	-4.7
West to North	-36.1	-40.9	-39.8	-32.1	-29.6	-28.5	-16.9
West to South	-21.7	-21.4	-22.0	-21.8	-21.0	-16.3	-21.4

भूटान , नेपाल एवं बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (28 अप्रैल-2014 से -04 मई-2014 तक)								
अंतरराष्ट्रीय विद्युत विनिमय [भारत से दूसरे देश को आयात (+) / निर्यात (-)] Transnational Exchange (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)
28-04-2014	4.3	179	-2.1	-129	-89	-8.3	-407	-347
29-04-2014	2.6	108	-2.6	-132	-110	-8.2	-399	-342
30-04-2014	2.7	112	-2.6	-132	-110	-8.9	-405	-370
01-05-2014	2.9	120	-2.1	-132	-86	-9.0	-414	-375
02-05-2014	5.4	223	-1.9	-134	-80	-4.3	-360	-179
03-05-2014	5.4	224	-2.4	-118	-99	-7.8	-412	-327
04-05-2014	4.1	172	-2.5	-78	-106	-9.3	-411	-387
कुल Total	27.3		-16.3			-55.8		

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
28.04.14	0007 hrs	NER	1)400kV Silchar-Pallatana D/C 2)400kV Silchar-Byrnihat S/C 3)132kV Khondong-Haflong S/C 4)132kV Badarpur-Khliehriat 5)132kV PK Bari-Ambassa 6)132kV Dimapur Imphal 7)132kV Jiribam-Loktak 8)132kV Jiribam-Haflong line 9)Pallatana Generation	NER/OTPC	Multiple tripping occurred in NER which started with the tripping of 400 kV Palatana-Silchar-I(it appears from PMU plot that Fault was in B-Phase). Due to the Palatana Generation tripping, SPS-I operated causing load relief. Further tripping of few lines caused separation of Tripura from rest of grid and Tripura(islanded) survived with RC Nagar generation.	Load Loss=139MW Generation Loss=320 MW	28.04.14	0106 hrs	GD-II
29.04.14	1133 hrs	NR	1)400kV Chabra-Hindaun 2) 400kV Chabra-Bhilwara 3)400kV Chabra-Kawai(Adani) 4) 400kV Hindaun-Heerapura 5) 220kV Chabra-Kawai 6) 220kV Chabra-Jhalawar 7)Chabra TPS Unit #1&2 8)Kawai(ADANI) TPS Unit #1	PG/Adani/RVUPNL	Due to tripping of 400 kV Heerapura-Hindaun on distance protection , multiple tripping occurred in Kawai, Chabra and adjoining sub stations.	Load Loss=180MW Generation Loss=1100 MW	29.04.14	1211 hrs	GD-I
30.04.14	1201 hrs	NR	1)400kV Chabra-Hindaun 2) 400kV Chabra-Bhilwara 3) 400kV Chabra-Kawai(Adani) 4) 400kV Hindaun-Heerapura 5) 220kV Chabra-Kawai 6)220kV Chabra-Jhalawar 7)Chabra TPS Unit #1&2 8)Kawai(ADANI) TPS Unit #1 9)Kalisindh TPS Unit-1	PG/Adani/RVUPNL	400kV Heerapura-Hindaun ckt tripped on R-phase to ground fault.400kV Chabra-Hindaun ckt tripped on R-phase to ground fault.Kawai reported that its machine observed some oscillation and 400kV Chabra-Kawai line tripped from Chabra end on over voltage protection.Tripping also occurred in 220kV section of Chabra, Kawai, Jhalawar	Load Loss=200MW Generation Loss=1139 MW	30.04.14	1616 hrs	GD-I
01.05.14	1630 hrs	NR	1)ICT-I,II & III (400/220 kV) at Daulatabad 2) 400 kV Daulatabad-Ngurgaon-II 3)400 kV Daulatabad-Jhajjar-I 4) 220 kV Daulatabad-Nunimajra	PG/HVPNL	Due to failure of R-Phase CT of 220kV Daulatabad-Nunimajra elements given in column E tripped.	Load Loss=350 MW	01.05.14	2030 hrs	GD-I
01.05.14	1755 hrs	ER	1) 132 kV Purnea-Forbisgunj 2)132 kV Purnea(PG)-Purnea(BSEB) T/C 3)132 kV Purnea(BSEB)-Kishanganj	BSEB/PG	Due to R-Phase to Ground fault in 132 kV Purnea-Forbisgunj, 132 kV bus at Purnea(BSEB) became dead.	Load Loss=50 MW	01.05.14	1908 hrs	GD-I
03.05.14	1407 hrs	ER	1)220kV Tenughat-Patratu 2)220 kV Patratu-Hatia D/C 3)132 kV patratu-Hatia D/C 4)UNIT # I,II,VI,X(210MW each) at Tenughat	TVNL/JSEB	Due to rain and thunderstorm elements given in column E tripped.	Load Loss= 270MW Generation Loss= 390 MW	03.05.14	1457 hrs	GD-I
03.05.14	1738 hrs	NR	1)220 kV Samaypur-Ballabgarh T/C 2)220 kV Faridabad-Samaypur-I 3) BTPS Unit-II & III(100 MW each)	NTPC/HVNL	While Charging 220 kV Samaypur-Ballabgarh-I , wave trap damage at Samaypur and Y-pahse PT burst at Ballabgarh caused tripping of elements given in column E.	Gen Loss=180 MW	03.05.14	1845 hrs	GD-I
04.05.14	1201 hrs	NR	1) 400kV Chabra-Kawai(Adani) 2) 400 kV Bassi-kawai(Adani) 3)Kawai(ADANI) TPS Unit #1 & II(660 MW each)	Adani/PG	Due to DT received at Bassi & Chhabra end elements given in column E tripped.	Generation Loss=1000 MW(approx figure)	04.05.14	1201 hrs	GD-I