

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

साप्ताहिक रिपोर्ट (15-जुलाई-2013 से 21-जुलाई-2013 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:-22-07-13

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

क्षेत्र / दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर 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)
15/07/13	41304	2402	31710	139	28469	1866	15714	0	1857	289	119054	4696
16/07/13	40936	2647	31908	262	28261	2169	15737	5	1899	246	118741	5329
17/07/13	41353	3150	32687	345	27628	2253	14858	528	1821	335	118347	6611
18/07/13	41666	2553	33098	253	27674	1253	15516	315	1858	291	119812	4665
19/07/13	41069	2444	32123	153	26865	1331	15007	668	1873	286	116937	4882
20/07/13	37191	1490	32701	143	26940	1866	15356	513	1701	385	113889	4397
21/07/13	38353	1890	31060	117	26007	1305	15024	14	1855	242	112299	3568

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर 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
	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)
15/07/13	948	297	704	41	673	65	326	76	35	18	2685	497
16/07/13	951	296	717	46	671	57	328	77	36	20	2703	496
17/07/13	966	294	724	60	664	60	334	78	37	20	2724	512
18/07/13	967	287	721	64	662	61	338	80	35	21	2722	513
19/07/13	964	286	715	72	646	73	328	81	36	22	2688	533
20/07/13	891	271	709	68	636	85	323	71	35	20	2592	515
21/07/13	872	290	691	70	619	91	320	71	36	21	2537	544

3. आवृत्ति (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
15/07/13	1.0	10.3	0.0	2.6	89.4	91.1	10.6	6.3	50.07	49.96	0.16	0.25
16/07/13	3.7	10.2	1.2	2.6	96.4	88.3	2.4	9.1	49.98	49.99	0.13	0.25
17/07/13	1.3	7.4	0.3	1.9	91.0	89.9	8.7	8.2	50.04	50.00	0.15	0.22
18/07/13	0.4	9.7	0.0	1.5	86.7	88.2	13.3	10.3	50.08	50.00	0.19	0.27
19/07/13	0.3	6.7	0.0	2.2	96.6	74.0	3.4	23.8	49.98	50.07	0.15	0.44
20/07/13	0.8	6.6	0.5	2.2	73.8	81.7	25.7	16.0	50.22	50.03	0.63	0.32
21/07/13	0.5	3.9	0.0	0.8	62.8	91.2	37.2	8.0	50.18	50.02	0.46	0.20

4. New Element Commissioned:-

- On 19.07.13, in ER, 400 kV New Purnea-Madhepur-I was synchronised for the first time at 1733 hrs.
- On 20.07.13, 400 kV Bus-II was first time charged at Keonjhar sub-station at 1129 hrs.

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

Region	Date	15/07/13		16/07/13		17/07/13		18/07/13		19/07/13		20/07/13		21/07/13	
	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	8601	790	8532	865	8664	615	8598	615	8643	940	8105	0	8441	0
	Haryana	7837	0	7742	0	7777	0	7711	0	7728	64	7068	0	7192	0
	Rajasthan	6269	0	6831	0	6716	0	6712	0	6633	0	6471	0	5894	0
	Delhi	4948	62	4796	2	4974	0	5053	48	5020	0	4318	0	4251	0
	UP	11273	1450	11197	1680	11478	2150	11426	1680	11171	1340	10931	1280	10846	1790
	Uttarakhand	1689	0	1583	0	1487	285	1577	110	1621	0	1341	110	1462	0
	HP	1164	0	1118	0	1152	0	1176	0	1193	0	1067	0	1024	0
	J&K	1635	100	1653	100	1645	100	1653	100	1629	100	1662	100	1576	100
Chandigarh	296	0	298	0	305	0	282	0	291	0	245	0	253	0	
WR	Chhattisgarh	2832	9	2752	15	2954	101	3050	40	3025	17	2838	17	2694	17
	Gujarat	8957	40	8839	80	8863	79	9096	72	9101	46	9299	37	8685	10
	MP	4930	9	5463	29	5779	30	5633	23	5445	10	5503	10	5532	10
	Maharashtra	13666	79	13912	129	13836	127	13755	111	13433	78	13540	77	13099	79
	Goa	334	1	349	2	360	2	349	1	340	1	357	1	303	1
	DD	254	0	266	1	249	1	257	1	255	0	255	0	242	0
	DNH	600	1	603	3	617	3	610	2	600	1	515	1	518	1
Essar steel	497	1	503	3	499	4	484	10	473	23	482	16	449	6	
SR	Andhra Pradesh	9736	800	9890	1000	9659	1000	9790	0	9334	0	9460	600	9559	500
	Karnataka	6998	500	6918	500	6956	600	6777	600	6745	600	6736	600	6253	300
	Kerala	3022	0	2849	75	2919	75	2808	75	2867	150	2779	75	2649	0
	Tamil Nadu	11272	566	11288	594	11232	578	11324	578	11051	581	10346	591	10328	505
	Pondy	314	0	320	0	303	0	303	0	300	0	291	0	278	0
ER	Bihar	2098	0	2060	0	2059	350	2061	300	2134	450	2091	300	2056	0
	DVC	2612	0	2570	0	2678	0	2742	0	2634	0	2659	0	2704	0
	Jharkhand	964	0	976	0	1105	0	1105	0	983	0	1300	0	997	0
	Odisha	3654	0	3544	0	3600	150	3528	0	3467	200	3222	200	3405	0
	West Bengal	6882	0	6889	5	6883	28	6755	15	6554	18	6388	13	6329	14
	Sikkim	88	0	76	0	75	0	81	0	79	0	65	0	56	0
NER	Arunachal Pradesh	99	1	96	4	94	6	100	5	97	3	102	3	99	6
	Assam	1120	168	1141	160	1135	161	1135	143	1145	155	1032	198	1102	158
	Manipur	108	7	114	1	106	9	114	2	112	4	110	6	96	6
	Meghalaya	252	8	252	14	262	12	252	10	255	7	254	6	241	9
	Mizoram	55	5	57	3	54	1	60	2	54	2	55	1	53	2
	Nagaland	88	7	91	4	92	3	96	2	94	4	87	5	90	5
	Tripura	188	35	182	39	202	18	187	33	199	24	185	40	198	22

6. Energy Consumption in States (MUs)

Region	States	15/07/13	16/07/13	17/07/13	18/07/13	19/07/13	20/07/13	21/07/13
NR	Punjab	194.7	190.9	194.4	193.2	194.2	180.6	181.6
	Haryana	170.0	168.0	171.6	173.2	172.0	157.4	152.9
	Rajasthan	142.8	146.3	152.0	146.9	150.4	143.4	132.8
	Delhi	102.4	103.7	103.9	104.0	104.0	85.9	82.7
	UP	242.5	246.6	248.8	253.7	246.6	236.1	236.3
	Uttarakhand	35.0	34.2	33.4	33.1	33.8	34.5	31.0
	HP	24.7	24.2	24.9	25.6	25.5	22.9	21.9
	J&K	29.9	31.5	31.1	31.2	31.2	24.6	28.1
	Chandigarh	5.9	5.7	6.0	5.7	5.9	5.1	4.9
WR	Chhattisgarh	63.8	63.9	65.2	66.9	68.5	64.9	62.7
	Gujarat	195.1	198.1	197.8	202.1	204.8	207.6	200.1
	MP	102.6	110.8	114.9	113.6	111.0	110.8	110.7
	Maharashtra	304.7	305.5	307.2	300.6	294.0	289.3	282.3
	Goa	6.8	7.1	7.3	7.1	7.0	7.0	6.2
	DD	6.0	6.2	5.9	6.1	6.1	6.1	5.9
	DNH	13.3	14.4	14.2	14.2	13.7	12.4	12.5
	Essar steel	11.2	11.3	11.0	10.2	10.0	10.7	10.1
SR	Andhra Pradesh	221.1	221.3	211.8	214.6	206.3	207.2	213.4
	Karnataka	141.9	141.1	141.4	138.6	137.0	132.5	124.5
	Kerala	53.5	53.0	53.1	51.4	51.2	51.2	47.3
	Tamil Nadu	250.4	249.2	251.6	251.6	245.1	238.8	228.5
	Pondy	6.2	6.1	6.0	6.2	6.2	6.0	5.6
ER	Bihar	45.0	43.5	43.9	44.5	43.2	44.0	44.5
	DVC	59.7	58.6	59.9	62.8	59.1	59.9	58.5
	Jharkhand	19.8	21.1	20.8	20.8	20.4	20.5	20.4
	Odisha	69.6	69.6	71.3	71.0	68.8	66.7	64.6
	West Bengal	130.6	133.8	136.5	137.3	135.3	130.1	131.0
	Sikkim	1.5	1.2	1.2	1.2	1.2	1.2	0.9
NER	Arunachal Pradesh	1.2	1.1	1.3	1.3	1.1	1.1	1.2
	Assam	22.5	23.2	23.5	23.0	22.6	22.4	23.3
	Manipur	1.3	1.3	1.3	1.3	1.7	1.4	1.4
	Meghalaya	4.1	4.7	4.4	4.1	4.3	4.3	4.2
	Mizoram	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Nagaland	1.4	1.5	1.6	1.5	1.6	1.3	1.3
	Tripura	3.6	3.2	3.4	3.0	3.5	3.2	3.1

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राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (15-जुलाई-2013 से 21-जुलाई-2013 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय

Import=(+ve) /Export =(-ve)
In Energy (MU)

दिनांक	15/07/13	16/07/13	17/07/13	18/07/13	19/07/13	20/07/13	21/07/13
ER-NR	-45.0	-41.8	-40.8	-39.8	-46.3	-31.8	-36.2
ER-WR	3.9	2.3	3.7	9.0	6.5	5.0	0.1
ER-SR	-20.7	-28.6	-26.2	-25.4	-26.2	-26.6	-22.6
ER-NER	-3.7	-2.9	-2.9	-1.7	-1.9	-2.7	-1.5
WR-NR	-33.9	-29.9	-41.5	-39.9	-35.0	-24.4	-20.4
WR-SR	-20.8	-21.0	-20.2	-20.7	-20.9	-19.7	-20.9

Note:- IR Flow/transaction is from first region to second region, e.g. ER-NR mea

8). Major Grid Incidences

Outage		Region	Name of Element	Owner / Agency	Event	Generation/Load Loss	Revival		Category as per CEA Grid Standards
Date	Time						Date	Time	
15.07.13	2147 hrs	SR	<ul style="list-style-type: none"> - 400kV Nellore PS - Nellore ckt-1 & 2 - 400kV Nellore PS – Gooty-1 was not in service. (kept opened due to voltage regulation) - 400kV Nellore PS - Gooty-2 line - 400kV Nellore PS - SEPL line - Running units at SEPL & MEPL 	PG	400kV Nellore PS-Nellore line-1 tripped on R-N fault in Zone-1. 400kV Nellore-SEPL tripped at Nellore PS end due to direct trip receive from SEPL end. 400kV Nellore-Nellore PS line-2 tripped due to DT receive from Nellore end. Over voltage had operated at Nellore end. 400kV Nellore PS - Gooty line-2 tripped due to Over voltage stg-1 operation at Nellore PS end. 400kV Bus-1 & Bus-2 at Nellore PS got de-energized after tripping of the above mentioned lines and after tripping of Units at MEPL. Loss of Generation - MEPL : 139 MW - SEPL : 260 MW	Gen. Loss=399 MW	16.07.13	0731 hrs	GD-I
16.07.13	1904 hrs	WR	All 220 KV feeders from Bhilai(CSEB) s/s & 400/220 KV ICT-I & II at Bhilai	CSEB/PG	Bus Bar Protection operation led to tripping of all 220 KV feeders from Bhilai(CSEB).	Load Loss=700 MW	16.07.13	2000 hrs	GD-I
18.07.13	1334 hrs	SR	400/220 KV ICT-I & II at Somanahalli S/S Hiriyur-Neelmanagala-I Hassan-UPCL-I Raichur-Gooty-I Raichur-Mehboobnagar Guttur-Hiriyur-I Mehboobnagar-Nagarjunsagar	KPTCL	One of the isolator accidentally closed on to the load creating a bus fault.The fault cleared by HV side Backup protection of 400/220 KV Somanahalli ICTs & 220 KV Somanahalli s/s became dead.	Load Loss=400 MW	18.07.13	1454 hrs	GD-I
21.07.13	1118 hrs	NER	132 KV Budjang nagar- Surajmani nagar	Tripura	132 KV PK Bari Bus occ approved s/d availed by PG at 0910 hrs.Due to Y ph conductor snap and in hangging condition emergency S/D of RC Nagar-Kumarghat was availed at 1118 hrs but at the same time 132 KV Budjang nagar- Surajmani nagar line of Tripura system tripped due to jumper snapped.This caused isolation of part of Tripura system alongwith RC Nagar generation	NIL	21.07.13	1746 hrs	-