

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

साप्ताहिक रिपोर्ट (22 मई से 28 मई 2017 तक)
(आई० ई० जो० सी० को धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 2-Jun-17

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

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)
22-05-2017	45780	1071	45899	139	36991		18680		2458	99	149808	1308
23-05-2017	46539	1298	46103	88	37033	73	17068		2517	56	149260	1516
24-05-2017	48271	1042	46636	58	38070		18775	260	2385	146	154137	1506
25-05-2017	49058	861	45465	67	37598		17268		2439	134	151828	1061
26-05-2017	46247	480	47059		36692		16953		2409	116	149360	596
27-05-2017	47617	653	43785	84	34780		19225		2532	98	147938	835
28-05-2017	46610	741	40537	48	34116	27	16852		2452	117	140568	932

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)
22-05-2017	986	298	1097	36	867	26	397	67	40	11	3388	437
23-05-2017	1053	292	1119	44	865	26	393	67	43	12	3472	440
24-05-2017	1098	281	1136	33	875	31	405	67	42	13	3557	426
25-05-2017	1128	285	1130	28	890	28	411	64	41	13	3601	419
26-05-2017	1154	296	1131	30	874	20	387	65	42	20	3588	430
27-05-2017	1095	308	1104	21	817	19	370	63	45	17	3431	428
28-05-2017	1055	312	1038	22	792	15	374	63	44	14	3303	426

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड
22-05-2017	7.73	8.04	74.39	17.57	50.02	0.040
23-05-2017	15.37	16.04	74.90	9.06	50.01	0.053
24-05-2017	9.31	9.53	76.38	14.10	50.00	0.040
25-05-2017	5.03	5.05	73.50	21.46	49.99	0.039
26-05-2017	1.76	1.76	63.51	34.73	50.01	0.043
27-05-2017	3.15	3.19	60.51	36.30	49.99	0.048
28-05-2017	1.46	1.60	64.76	33.65	50.03	0.054

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

--

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

Region	Date	22-05-2017		23-05-2017		24-05-2017		25-05-2017		26-05-2017		27-05-2017		28-05-2017	
	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	6535	0	6837	0	7351	0	7518	0	7989	0	7527	0	7427	0
	Haryana	6368	0	6608	0	7035	0	7510	0	7367	0	6621	0	7407	0
	Rajasthan	9005	549	9361	0	8639	0	9515	362	9933	184	10512	0	10227	0
	Delhi	4498	0	5026	0	5554	0	5762	0	5902	0	5689	0	5514	0
	UP	17014	350	16997	1500	17453	720	17755	0	17512	0	17061	190	17045	100
	Uttarakhand	1901	0	1819	0	1992	0	1926	0	1929	0	1802	0	1569	0
	HP	1233	4	1290	0	1301	0	1302	0	1307	0	899	0	1151	0
	J&K	1820	455	1873	468	1905	476	1380	345	2006	502	1979	495	1962	491
Chandigarh	260	0	294	0	310	0	331	0	725	0	304	0	286	0	
WR	Chhattisgarh	3511	0	3544	0	3479	0	3459	0	3393	0	3279	0	2825	0
	Gujarat	14621	0	14638	5	15266	0	15518	0	15886	0	15576	0	14628	0
	MP	8301	12	8226	14	8241	0	8115	0	8327	0	7683	0	7274	0
	Maharashtra	22216	0	21896	0	22307	0	21690	0	21675	0	20879	0	20463	0
	Goa	453	0	474	0	458	0	473	0	456	0	456	0	436	0
	DD	319	0	324	0	328	0	316	0	325	0	302	0	300	0
	DNH	765	0	756	0	753	0	758	0	751	0	761	0	748	0
	Essar steel	509	0	513	0	514	0	445	0	445	0	482	0	532	0
SR	Andhra Pradesh	7540	0	7827	0	7509	0	7871	0	7721	0	6750	0	6800	0
	Telangana	6941	0	7043	0	7219	0	7396	0	7263	0	6843	0	6551	0
	Karnataka	8331	0	8060	0	8467	0	8194	0	8307	0	7406	0	7180	0
	Kerala	3333	0	3675	0	3564	0	3638	0	3679	0	3642	0	3203	0
	Tamil Nadu	14511	0	14710	0	14074	0	13952	0	13737	0	14043	0	13014	0
	Pondy	376	0	368	0	366	0	372	0	359	0	366	0	333	0
ER	Bihar	3851	0	3840	0	3995	100	4002	0	4004	0	3987	0	3760	0
	DVC	2802	0	2896	0	2703	0	2810	0	2835	0	2837	0	2750	0
	Jharkhand	1208	0	1067	0	1114	0	1094	0	1132	0	1184	0	1116	0
	Odisha	4234	0	4281	0	4195	0	4293	0	4173	0	3983	0	3916	0
	West Bengal	7797	0	7767	0	8065	0	8030	0	7781	0	7935	0	7577	0
	Sikkim	69	0	75	0	65	0	66	0	74	0	79	0	71	0
NER	Arunachal Pradesh	106	2	99	3	99	4	101	5	96	4	98	4	103	1
	Assam	1565	51	1575	30	1490	105	1521	79	1526	56	1590	72	1535	99
	Manipur	149	1	156	2	146	2	145	4	154	2	133	3	142	1
	Meghalaya	246	0	253	0	247	0	248	0	254	0	279	0	248	0
	Mizoram	71	3	80	1	79	3	78	6	81	2	75	3	75	0
	Nagaland	109	1	109	1	104	5	110	5	106	3	109	3	114	1
	Tripura	248	6	257	6	246	1	267	5	225	17	260	1	250	2

6. Energy Consumption in States (MUs)

Region	States	22-05-2017	23-05-2017	24-05-2017	25-05-2017	26-05-2017	27-05-2017	28-05-2017
NR	Punjab	147.9	155.9	161.6	167.4	174.8	175.0	159.0
	Haryana	130.8	139.8	148.0	156.2	157.9	158.9	141.8
	Rajasthan	172.5	199.0	194.7	200.0	219.4	221.7	216.5
	Delhi	93.1	97.9	110.3	116.0	122.2	116.8	104.4
	UP	337.3	350.5	371.1	387.3	368.2	315.6	332.8
	Uttarakhand	38.0	39.6	41.1	42.1	38.3	35.3	35.4
	HP	25.6	26.6	27.4	27.5	26.4	26.6	24.4
	J&K	35.1	37.8	37.6	25.0	39.9	38.9	35.4
	Chandigarh	5.4	5.7	6.0	6.3	6.8	6.1	5.4
WR	Chhattisgarh	83.1	83.7	83.9	82.5	82.7	72.7	59.7
	Gujarat	308.6	325.0	333.1	341.6	346.1	339.7	323.8
	MP	178.1	182.9	183.6	181.1	182.0	178.4	161.4
	Maharashtra	483.1	483.2	490.4	481.0	476.1	469.9	450.8
	Goa	10.1	9.9	10.5	10.3	10.4	10.2	8.2
	DD	6.9	7.2	7.3	7.2	7.3	5.8	6.8
	DNH	17.1	16.9	17.2	17.1	17.1	17.3	17.1
	Essar steel	10.4	10.2	10.4	9.5	9.5	10.0	10.6
SR	Andhra Pradesh	161.4	162.4	162.6	166.6	161.5	146.5	150.3
	Telangana	144.2	150.3	152.2	153.9	151.8	138.6	132.6
	Karnataka	175.1	171.6	167.2	175.2	175.7	150.0	143.7
	Kerala	67.3	68.7	70.8	71.6	71.9	71.4	64.6
	Tamil Nadu	310.9	304.0	314.7	314.4	305.0	302.6	292.9
	Pondy	8.0	7.6	7.8	8.0	7.8	7.8	7.4
ER	Bihar	76.9	76.6	77.9	78.1	65.7	56.4	67.0
	DVC	63.9	60.9	62.2	65.1	63.0	62.6	63.4
	Jharkhand	22.6	22.2	23.1	23.3	20.8	21.7	21.7
	Odisha	85.8	86.2	88.7	86.9	87.6	83.3	79.3
	West Bengal	146.9	146.1	152.2	157.1	149.0	145.0	141.1
	Sikkim	1.2	0.8	1.0	0.9	0.7	1.3	1.1
NER	Arunachal Pradesh	1.9	1.9	2.0	2.0	1.9	2.0	2.1
	Assam	23.6	26.3	26.1	24.9	25.5	27.9	27.4
	Manipur	2.4	2.4	2.3	2.4	2.5	2.3	2.2
	Meghalaya	3.9	3.6	3.6	3.6	3.7	4.3	4.4
	Mizoram	1.3	1.3	1.4	1.4	1.4	1.4	1.2
	Nagaland	2.4	2.4	1.9	2.0	2.5	2.3	2.2
	Tripura	4.7	4.5	4.8	4.8	4.8	4.7	4.3
	ALL INDIA TOTAL	3387.4	3471.7	3556.8	3600.4	3588.1	3430.6	3302.5

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

साप्ताहिक रिपोर्ट (22 मई से 28 मई 2017 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	22-05-2017	23-05-2017	24-05-2017	25-05-2017	26-05-2017	27-05-2017	28-05-2017
East to North	-41.5	-43.2	-53.9	-61.2	-58.1	-41.3	-31.9
East to West	21.1	6.7	3.6	4.4	11.7	3.4	12.4
East to South	-69.6	-73.1	-45.6	-48.3	-57.3	-47.8	-47.6
East to North-East	-9.2	-10.8	1.1	3.2	-11.7	-9.2	-16.0
North-East to North	-2.5	-2.0	7.9	8.6	-11.6	-7.5	-8.4
West to North	-103.6	-115.5	-118.7	-123.3	-110.2	-108.0	-85.3
West to South	-59.8	-44.2	-50.2	-51.6	-29.6	-33.0	-43.1

भूटान , नेपाल एव बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (22 मई से 28 मई 2017 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)
22-05-2017	10.6	442	-6.6	-245	-276	-15.2	-654	-633
23-05-2017	9.0	376	-5.8	-345	-243	-15.2	-157	-635
24-05-2017	7.9	329	-6.5	-344	-270	-15.1	-673	-628
25-05-2017	8.1	338	-6.2	-275	-257	-14.3	-651	-596
26-05-2017	8.7	362	-8.5	-373	-352	-12.4	-551	-515
27-05-2017	8.0	334	-6.3	-404	-263	-14.7	-643	-612
28-05-2017	8.2	340	-6.7	-309	-278	-15.0	-659	-627
कुल Total	60.5		-46.5			-101.9		

Major Grid Events* for May 2017_Week 4

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	ER	1) 220 KV Chukha – Birpara line – II 2) 220 KV Malbase – Birpara line	Wbsetcl	22-05-2017	16:31	22-05-2017	17:54	01:23	Due to tripping of Bus – II at Birpara S/S, no load loss as the loads were continued to be fed through Bus – I. ☐	NIL	NIL	GI-II
2	WR	1) 400KV Vindhyachal- Satna line 3 & 4, 2) 400KV Vindhyachal- Jabalpur-1. 3) Vindhyachal (B/B) HVDC Block-1 4) Vindhyachal Unit 8,9 & 10 (500MW Each)	NTPC/PGCIL	23-05-2017	17:43	23-05-2017	18:43	01:00	Vindhyachal Stage-III tripped reportedly due to fire in GeneratorTransformer of UNIT-8,consequently Unit 9 & 10,400KV Vindhyachal- Satna line 3 & 4, 400KV Vindhyachal- Jabalpur-1,Vindhyachal (B/B) HVDC Block-1 tripped. Total 1500 MW generation loss occurred.	1500	NIL	GD-I
3	ER	1) DVC UNIT-2 (160Mw),Unit-7 (250Mw) & Unit- 8 (250 Mw) 2) CTPC(chandrapura) ICT's (2*150MVA,1*160 MVA) 3) 132kv CTPS-Putki Q/c	DVC	23-05-2017	14:50	23-05-2017	15:25	00:35	At 14:50 Hrs Unit 2,7 & 8 failed at DVC resulting in a generation loss of 500MW, at the same time ICT's at chandrapura(2*150MVA,1*160 MVA) also tripped, consequently 132kv CTPS-Putki Q/c became zero. Total load loss reported at putki was 320 Mw)	500	320	GD-I
4	WR	1) 400kv Bableswhar-Ektuni-2 2) 400kv Dhule-Bableswhar-I & II 3) 400kv Bableswhar-Padghe-I & II 4) 400kv Bhusawal-Bableswhar-S/c 5) 400kv Aurangabad-Bableswhar-S/c 6) 400/220kv ICT-1 at Bableswhar 7) 400/220kv ICT-2 at Bableswhar 8) 400/220kv ICT-3 at Bableswhar 9) 400/220kv ICT-4 at Bableswhar	PGCIL/MSET CL	25-05-2017	16:30	25-05-2017	17:33	01:03	At 16:26hrs 400kv Bableswhar-Ektuni-2 tripped on R-Y Phase to phase fault (Ckt-1 was already out on controlling the over loading on 400kv Bableswhar-Padghe-D/c lines). At 16:30Hrs it was reported that Bus isolator of 400/220kv ICT-4 at Bableswhar fell down and created Bus fault, but due to non-operation of bus bar protection all the feeders from the Bableswhar tripped at remote end resulting in both 400kv and 220kv bus dead at Bableswhar. In PMU fault on all three phases was observed and predominant on B-Phase (28KV at Kalwa PMU).		900	GD-I
5	NR	1) 220KV Bhilai-Khedamara ckt-I&II 2) 220KV RAITA – GURUR 3) 220KV RAITA - SILTARA 4) 220KV BHILAI220 – PGCIL RAIPUR 5) 125MVA TRANSFORMER –I,II,III,IV & V AT 220KV BHILAI 6) 132KV GUDHIYARI – RAIPUR CKT. 7) 220KV URLA – SILTARA CKT.	NTPC/PGCIL	25-05-2017	20:35	25-05-2017	20:59	00:24	Tripping of 220KV Bhilai-Khedamara ckt-I&II CAUSING TOTAL INTERRUPTION AT 220/132KV S/S Bhilai220, Gurur, Barsoor and 132/33KV Jagdalpu. Total Load loss was around 740 MW.		740	GD-I
6	SR	1) ICT-III & IV at Hoody ☐	KPTCL	26-05-2017	12:31	26-05-2017	13:40	01:09	ICT III & IV tripped at Hoody, Detales waited . Load loss was around 700MW.	NIL	700	GD-1

