



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

साप्ताहिक रिपोर्ट (03 मई 2020 से 09 मई 2020 तक)

रिपोर्टिंग तिथि:- 15-May-20

(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		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)
03-05-2020	30890	466	38529		32724		17470		2159	48	121772	514
04-05-2020	37536	466	38654		34676		17338		2367	23	130571	489
05-05-2020	35230	1673	39223		34680		16710		1754	569	127597	2242
06-05-2020	38308	461	39060		34588		16996		2284	72	131236	533
07-05-2020	39776	752	40192		34575		15197		2321	141	132061	893
08-05-2020	41155	1266	39285		35805		17044		2344	82	135633	1348
09-05-2020	41865	1300	40148		35936		18589		2500	44	139038	1344

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०व्०)

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
	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)
03-05-2020	791	247	995	42	814	81	325	74	37	6	2961	452
04-05-2020	776	250	986	37	852	87	346	74	40	6	3000	454
05-05-2020	808	234	987	42	872	87	344	81	38	6	3050	449
06-05-2020	817	230	1009	55	877	81	310	80	37	7	3049	453
07-05-2020	823	236	1007	41	877	84	326	75	36	6	3068	442
08-05-2020	915	236	1022	42	886	87	331	74	38	5	3193	445
09-05-2020	956	243	1024	54	903	89	362	77	42	6	3287	469

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० चिड	ऑ० ई० चिड	ऑ० ई० चिड	ऑ० ई० चिड	ऑ० ई० चिड	ऑ० ई० चिड
03-05-2020	6.24	6.35	76.56	17.08	50.00	0.036
04-05-2020	6.25	9.63	75.45	14.92	49.99	0.059
05-05-2020	5.10	7.11	77.87	15.02	50.00	0.041
06-05-2020	1.82	1.82	74.61	23.58	50.02	0.031
07-05-2020	3.82	3.82	79.80	16.38	50.01	0.030
08-05-2020	5.09	5.63	84.92	9.46	49.99	0.029
09-05-2020	10.91	11.45	79.62	8.94	49.98	0.043

\*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	03-05-2020		04-05-2020		05-05-2020		06-05-2020		07-05-2020		08-05-2020		09-05-2020	
	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	03-01-2020	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	4539	0	4900	0	5024	0	4805	0	5070	0	5645	0	6080	0
	Haryana	5277	0	5203	190	5502	0	5288	0	5726	50	6078	0	6281	0
	Rajasthan	10025	0	8613	0	8698	0	8631	0	9071	0	9694	171	10463	0
	Delhi	3454	0	3162	0	3398	0	3382	0	3388	0	3745	0	4038	0
	UP	14269	0	15937	380	14212	0	15708	0	15278	0	16638	0	16776	380
	Uttarakhand	1089	0	1220	0	1190	0	1193	0	1230	0	1268	0	1307	0
	HP	864	0	965	0	978	0	1047	0	1022	0	1016	0	1011	0
	J&K	2063	516	1832	323	2065	516	2048	512	2091	523	2346	586	2185	546
Chandigarh	148	0	152	0	156	0	154	0	157	0	164	0	172	0	
WR	Chhattisgarh	3245	0	3181	0	3162	0	3092	0	3203	0	3135	0	2953	0
	Gujarat	13135	0	13635	0	13772	0	13564	0	13873	0	13969	0	13871	0
	MP	9014	0	8262	0	9014	0	8302	0	8747	0	8928	0	9038	0
	Maharashtra	18434	0	19049	0	19380	0	19553	0	19480	0	19514	0	19637	0
	Goa	450	0	482	0	477	0	475	0	489	0	481	0	473	0
	DD	144	0	165	0	178	0	203	0	178	0	185	0	184	0
	DNH	263	0	296	0	333	0	335	0	338	0	349	0	343	0
	Essar steel	436	0	461	0	426	0	429	0	432	0	426	0	458	0
SR	Andhra Pradesh	8260	0	8414	0	8533	0	8702	0	8762	0	8884	0	9123	0
	Telangana	6579	0	6859	0	7063	0	6923	0	6823	0	6864	0	7278	0
	Karnataka	9451	0	9805	0	10165	0	10434	0	10435	0	10162	0	10437	0
	Kerala	3475	0	3713	0	3290	0	3112	0	3451	0	3514	0	3523	0
	Tamil Nadu	11294	0	11622	0	11927	0	12317	0	12289	0	12834	0	12744	0
	Pondy	301	0	318	0	332	0	350	0	347	0	354	0	362	0
ER	Bihar	4581	0	4503	0	4268	0	4510	0	4190	0	4525	0	4620	0
	DVC	1869	0	1947	0	2123	0	2085	0	2051	0	2227	0	2204	0
	Jharkhand	1388	0	1324	0	1291	0	1254	0	1196	0	1296	0	1195	0
	Odisha	3918	0	3691	0	3919	0	3543	0	3542	0	3613	0	3822	0
	West Bengal	5999	0	6334	0	6193	0	6059	0	5620	0	6100	0	7053	0
	Sikkim	81	0	99	0	104	0	97	0	89	0	105	0	109	0
NER	Arunachal Pradesh	106	1	84	2	60	7	96	1	104	1	107	0	108	0
	Assam	1342	30	1529	18	1143	410	1381	52	1439	110	1397	63	1534	26
	Manipur	170	1	172	2	180	10	182	1	185	1	186	1	188	2
	Meghalaya	247	0	329	1	260	11	279	0	282	0	293	0	278	0
	Mizoram	89	2	89	2	96	5	93	1	96	1	93	1	96	1
	Nagaland	118	2	109	1	118	4	110	1	113	1	114	2	112	1
Tripura	231	2	251	5	245	45	225	3	265	2	268	3	275	2	

## 6. Energy Consumption in States (MUs)

Region	States	03-05-2020	04-05-2020	05-05-2020	06-05-2020	07-05-2020	08-05-2020	09-05-2020
NR	Punjab	88.2	91.2	100.5	105.4	112.9	121.1	129.2
	Haryana	89.5	91.0	108.2	106.9	109.1	120.2	126.3
	Rajasthan	187.7	171.6	185.3	178.8	192.5	208.7	214.8
	Delhi	64.8	61.2	65.8	68.5	65.7	71.8	75.0
	UP	282.8	280.0	260.8	269.3	257.6	300.3	316.6
	Uttarakhand	21.2	22.3	25.3	25.3	22.7	26.5	28.0
	HP	16.1	17.6	18.4	19.9	17.4	19.2	19.6
	J&K	37.8	38.7	40.7	39.2	41.9	44.1	42.9
	Chandigarh	2.9	3.0	3.2	3.3	3.2	3.3	3.4
WR	Chhattisgarh	77.3	72.1	70.8	70.8	65.6	68.2	67.9
	Gujarat	289.9	294.1	294.8	300.2	303.6	304.0	302.8
	MP	191.0	178.5	174.6	181.1	186.8	197.2	197.3
	Maharashtra	414.1	416.5	421.3	431.5	427.2	428.6	432.1
	Goa	9.4	10.5	10.6	10.4	10.6	10.6	10.4
	DD	3.3	3.5	3.8	3.9	3.9	3.9	4.0
	DNH	6.0	6.7	7.3	7.5	7.6	7.9	7.8
	Essar steel	3.5	4.1	4.1	3.5	1.3	1.1	1.9
SR	Andhra Pradesh	163.9	167.5	170.6	171.9	171.7	174.8	177.3
	Telangana	141.8	144.6	146.9	146.1	141.8	145.4	147.8
	Karnataka	184.0	195.8	204.2	204.0	205.2	199.3	205.6
	Kerala	69.1	74.0	72.4	68.1	69.8	71.3	72.7
	Tamil Nadu	250.0	263.3	271.8	279.6	281.7	288.1	292.4
	Pondy	5.8	6.4	6.6	6.9	7.3	7.4	7.3
ER	Bihar	81.8	84.7	70.8	74.7	71.3	76.1	85.7
	DVC	37.0	40.4	42.1	38.7	43.1	44.6	46.4
	Jharkhand	23.7	23.5	22.6	18.1	21.5	22.9	22.8
	Odisha	78.2	76.2	80.6	69.7	72.6	73.6	74.7
	West Bengal	103.2	120.1	127.0	107.4	116.0	112.9	130.7
	Sikkim	1.0	1.3	1.4	1.3	1.2	1.3	1.4
NER	Arunachal Pradesh	1.3	1.4	1.3	1.8	1.9	1.7	1.8
	Assam	21.4	24.6	22.8	21.9	21.8	23.0	25.0
	Manipur	2.3	2.5	2.4	2.3	2.2	2.2	2.3
	Meghalaya	4.0	4.3	4.3	4.4	4.6	4.8	4.9
	Mizoram	1.5	1.5	1.3	1.6	1.7	1.5	1.7
	Nagaland	2.1	2.1	2.0	2.1	2.0	2.1	2.2
	Tripura	3.9	3.6	3.4	3.3	1.4	3.3	4.6
<b>ALL INDIA TOTAL</b>		<b>2961.4</b>	<b>3000.2</b>	<b>3049.7</b>	<b>3049.3</b>	<b>3068.3</b>	<b>3192.9</b>	<b>3287.1</b>

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

साप्ताहिक रिपोर्ट (03 मई 2020 से 09 मई 2020 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	03-05-2020	04-05-2020	05-05-2020	06-05-2020	07-05-2020	08-05-2020	09-05-2020
East to North	-36.7	-36.2	-64.8	-63.8	-57.1	-76.7	-78.8
East to West	20.2	28.7	5.6	9.0	19.2	8.1	15.9
East to South	-109.2	-117.9	-116.8	-119.2	-125.4	-122.5	-122.5
East to North-East	12.8	9.7	9.8	11.0	7.6	11.4	10.9
North-East to North	11.7	11.6	11.3	11.3	11.7	11.5	11.5
West to North	-60.0	-101.1	-114.1	-112.1	-110.8	-141.3	-157.6
West to South	-99.1	-99.6	-100.6	-105.4	-107.7	-101.8	-101.0

**भूटान , नेपाल एवं बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL  
EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH**

**साप्ताहिक रिपोर्ट (03 मई 2020 से 09 मई 2020 तक)**

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश BANGLADESH		
	Energy Exchange	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
03-05-2020	16.5	689	-0.5	-108	-20	-13.3	-935	-553
04-05-2020	18.3	762	-0.6	-165	-23	-13.6	-947	-567
05-05-2020	24.5	1019	-0.3	-142	-11	-13.7	-942	-573
06-05-2020	21.4	893	-0.3	-106	-11	-12.7	-918	-530
07-05-2020	16.7	696	-0.3	-196	-13	-14.2	-924	-592
08-05-2020	17.2	715	-0.3	-157	-13	-20.1	-1078	-836
09-05-2020	13.5	564	-0.5	-126	-20	-18.7	-1082	-777
<b>कुल Total</b>	<b>128.1</b>		<b>-2.7</b>			<b>-106.2</b>		

**8). Major Grid Incidences (Provisional)-**

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Reveal		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	NER	132 KV Pare - Lekhi 132KV Lekhi - Nirjuli	MoP Arunachal Pradesh	02-May-20	10:11	02-May-20	10:28	00:17	At 10:11 Hrs of 02/05/2020, 132 KV Pare-Lekhi T/L ( Pare: 3 ph, 2-1, 1.77 km ; Lekhi : No tripping) tripped resulting in blackout of the radially fed 132 KV Lekhi, Nirjuli substations . Due to the disturbance, estimated load loss of around 21 MW was observed at Lekhi, Nirjuli area of Arunachal Pradesh. No generation loss was observed.	Nil	21	GD-1
2	NER	132 KV Pare - Lekhi 132KV Lekhi - Nirjuli	MoP Arunachal Pradesh	2-May-20	11:11	2-May-20	11:30	00:19	At 11:11 Hrs of 02/05/2020, 132 KV Pare-Lekhi T/L ( Pare: 3 ph, 2-1, 1.69 km ; Lekhi : No tripping) tripped resulting in blackout of the radially fed 132 KV Lekhi, Nirjuli substations. Due to the disturbance, estimated load loss of around 29 MW was observed at Lekhi, Nirjuli area of Arunachal Pradesh. No generation loss was observed.	Nil	29	GD-1
3	ER	132 KV KNSTPP-Lalmatia 132 KV Kahalgaon(BSEB)-Lalmatia 132 KV Lalmatia-ECL 132 KV Lalmatia-Sahebganj 132 KV Lalmatia-Dumka D/ C	Jharhand	4-May-20	07:01	4-May-20	07:42	00:41	At 07:01 Hrs, Y_ph CVT of 132 KV Lalmatia-ECL at ECL (Eastern Coalfields Ltd.) burst leading to outage of all mentioned 132 KV lines of 220 / 132 KV Lalmatia S/ 5,2,20 / 132 KV 100MVA ICT at Lalmatia was hand-tripped. 220 KV FSTPP-Lalmatia was in service.	Nil	88	GD-1
4	WR	400 KV Jabalpur Pooling station-MB Power-1 400 KV Jabalpur Pooling station-MB Power-2 400 KV MB Power BUS-1 400 KV MB Power BUS-2 400 KV MB Power BUS Reactor MB Power Unit-1 (600 MW) MB Power Unit-2 (600 MW) MB Power Station Transformer-1	MB POWER	4-May-20	20:36	4-May-20	20:59	00:23	At 20:36 hrs/04.05.2020 400 KV MB Power-Jabalpur PS Ckt-1 ( tripped at MB Power end holding at Jabalpur PS end), 400 KV MB Power-Jabalpur PS Ckt-2(tripped at both ends) tripped resulting in tripping of MB Power Unit-1 and Unit-2 due to loss of all evacuation paths. Due to above tripping MB Power Station became dead and total generation loss of 791 MW occurred.	791	Nil	GD-1
5	ER	220kv Dharbanga(DMTCL)-Dharbanga(Bihar)-2 220 kv Dharbanga(DMTCL)-Dharbanga(Bihar)-1 220kv Dharbanga-Mushahari-1	BSEB/DMTCL	5-May-20	19:09	5-May-20	19:48	00:39	At 19:09 Hrs, 220kv Dharbanga(DMTCL)-Dharbanga(Bihar)-2 tripped on distance protection, Y-N fault, causing tripping 220 kv Dharbanga(DMTCL)-Dharbanga(Bihar)-1 on over current. At the same time 220kv Dharbanga-Mushahari-1 also tripped and led to load loss at Dharbanga, Madhubani and Pandaul .total 180 MW.	Nil	180	GD-1
6	ER	220 KV Chaibasa(PG)-Chaibasa(I) D/C 220KV Chaibasa(J)-Ramchandrapur D/C 132 kv Rajarawan-Goelkera 400/220 KV ICT-I at Chaibasa 400/220KV ICT- II at Chaibasa	Jharkhand	6-May-20	01:13	6-May-20	01:40	00:27	At 01:13 Hrs, 400/220 KV ICT-I & II at Chaibasa tripped from 220 KV side only due to relay mal operation. At 01:20 Hrs Mentioned lines tripped. Due to tripping of these lines 220 KV bus become dead at Chaibasa(PG) & Chaibasa(I). Load loss of around 20 MW was there at Chaibasa, Manoharpur and Goelkera.	Nil	20	GD-1
7	NER	132 KV Palatana-Surajmani Nagar T/L 132KV Agartala - Raika 1 & 2 132KV Agartala - Surajmaninagar 1 & 2 132KV Agartala - Dhalabil 132KV Agartala - AGTCCPP 1&II 132 KV Surajmaninagar-Cornilla I&II	MoP Tripura	6-May-20	21:46	6-May-20	23:40	01:54	At 21:46 Hrs of 06.05.2020, 132 kv Palatana-Surajmani Nagar T/L & all associated 132 kv lines from Agartala Bus tripped causing blackout of 132 KV Agartala bus & 132 kv Surajmaninagar Bus. Due to the disturbance, 132 KV Agartala & Surajmaninagar bus were dead. There was a generation loss of around 24MW in AGTCCPP & 74MW (desynchronised at Tripura system). However, there was a load loss of around 170 MW in Tripura system including Bangladesh.	98	170	GD-1
8	ER	400 KV Barh-Mothari Ckt-II 200MVA of two ICTs at Mothari	Bihar	7-May-20	12:51	7-May-20	13:26	00:35	At around 12:51 hrs total power failure occurred at 400/132 KV Mothari S/S due to tripping of 400 KV Barh-Mothari # II (only 400 KV source of power at Mothari) on Y-N fault. 400/132 KV, 200MVA of two ICTs at Mothari were supplying radial load of 132 KV Betia, 132 KV Mothari(Bihar), 132 KV Raxaul and Parwanipur(Nepal). Total load loss of around 85 MW occurred	Nil	85	GD-1
9	ER	400 KV Alipuduar-Jigmelling D/C Mangdechu units -I Mangdechu units -II	PG/Bhutan	7-May-20	18:47	7-May-20	19:58	01:11	At 18:47 Hrs, 400 KV Alipuduar-jigmelling D/c tripped on R-Y-N fault caused tripping of Mangdechu units #I and #2 on no evacuation path. Generation loss was 238 MW.	238	Nil	GD-1
10	ER	132 KV Banka-Sultanganj D/c 132 KV Deoghar-Sultanganj D/c	Jharkhand/Bihar	8-May-20	14:30	8-May-20	15:17	00:47	At 14:30 Hrs, 132 KV Banka-Sultanganj D/c tripped from Sultanganj end only on O/C E/F, leading to a load loss of around 40 MW in Sultanganj, Tarapur and Haweli Khadagpur. 132 KV Sultanganj-Deoghar which feeds power to Chitra and Deoghar traction was hand-tripped. Sultanganj being its only source.	Nil	54	GD-1
11	SR	220 KV NEELAMANGALA - PEENYA 3 220 KV NEELAMANGALA - PEENYA 1 220 KV NEELAMANGALA - PEENYA 2 220 KV NEELAMANGALA - PEENYA 4	Karnataka	9-May-20	06:29	9-May-20	07:09	00:40	At 06:29 Hrs on 09th May, Bus bar operated at 220KV Peenya Station and consequently mentioned lines tripped. Load loss in the event was around 150 MW.	Nil	150	GD-1
12	SR	220KV Kolar(PG)-Kolar(KA)-1 220KV Kolar(PG)-Kolar(KA)-2	Karnataka/PG	9-May-20	2:41:00 P	10-May-20	03:15	04:34	220KV Kolar(PG)-Kolar(KA)-1 tripped due to kumper cut. Which led to tripping of 220KV Kolar(PG)-Kolar(KA)-2 on over loading. Subsequently the stations connected radially to 220KV Kolar(KA) were under black viz. 220KV Malur, 220KV Sarjapura.	Nil	200	GD-1