



National Load Despatch Centre
पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
POWER SYSTEM OPERATION CORPORATION LIMITED

(A Govt. of India Enterprise)

CIN No.: U40105DL2009GOI188682

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref:POSOCO/NLDC/SO/Weekly Report

Date:28th April 2017

To,

1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033
General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई - 400093
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. अपर महाप्रबंधक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 17th April to 23rd April 2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 17 अप्रैल से 23 अप्रैल 2017, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध है

As per article 5.5.1 of the Indian Electricity Grid Code, the weekly status report pertaining power supply position report of All India Power System for the week 17th April to 23rd April 2017, is available at the NLDC website.

Thanking You.

Yours faithfully,

DGM (SO)

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

साप्ताहिक रिपोर्ट (17 अप्रैल से 23 अप्रैल 2017 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 28-Apr-17

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

क्षेत्र	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)
17-04-2017	46943	586	48734	122	39252		20077	150	2246	98	157252	955
18-04-2017	45689	466	49060	135	39584		20063		2318	83	156713	685
19-04-2017	47552	828	48566	130	38933		18161		1914	338	155126	1296
20-04-2017	48518	555	48386	96	38567		19079	183	2249	121	156799	955
21-04-2017	48711	37	47774	105	37933		19786	200	2129	114	156333	456
22-04-2017	44866	479	47731		39182		18652	200	2127	90	152558	769
23-04-2017	42947	457	45084	34	36729		16060		2139	70	142959	561

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)
17-04-2017	986	236	1157	58	933	52	393	34	36	7	3505	387
18-04-2017	1007	256	1162	50	961	64	403	38	40	8	3574	416
19-04-2017	1026	277	1155	57	972	61	388	31	38	8	3579	433
20-04-2017	1041	288	1150	48	957	60	376	35	36	8	3560	441
21-04-2017	1042	299	1156	34	936	50	398	41	37	8	3569	432
22-04-2017	982	284	1146	26	929	47	375	38	37	9	3469	404
23-04-2017	941	291	1111	35	895	42	358	44	36	9	3342	422

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
17-04-2017	11.64	12.84	74.02	13.15	49.97	0.053
18-04-2017	9.94	10.90	80.45	8.65	49.97	0.050
19-04-2017	9.06	9.63	76.97	13.40	49.98	0.042
20-04-2017	8.61	9.39	76.10	14.51	49.99	0.043
21-04-2017	8.01	8.58	76.82	14.61	49.99	0.042
22-04-2017	3.34	3.36	66.94	29.70	50.02	0.040
23-04-2017	2.21	2.21	76.67	21.12	50.01	0.031

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

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

Region	Date	17-04-2017		18-04-2017		19-04-2017		20-04-2017		21-04-2017		22-04-2017		23-04-2017	
	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	6007	0	6061	0	6243	0	6696	0	6833	0	6116	0	5508	0
	Haryana	6878	7	7099	25	7079	0	7162	150	7125	325	7120	0	7090	0
	Rajasthan	8784	0	8928	0	9145	220	9393	32	9440	53	9266	0	9074	0
	Delhi	4845	0	4980	0	5098	0	5447	0	5637	0	5453	0	5019	0
	UP	16809	0	16615	0	16958	0	17328	0	17332	0	16534	90	15682	0
	Uttarakhand	1917	0	1901	0	1843	0	1805	0	1895	0	1798	0	1678	0
	HP	1262	0	1237	0	1303	0	1284	0	1207	0	1129	0	1110	17
	J&K	2312	578	1865	466	1862	466	1859	465	1813	453	1877	469	1757	439
Chandigarh	249	0	276	0	271	0	298	0	321	0	242	0	215	0	
WR	Chhattisgarh	4032	0	4038	0	4017	0	3961	0	3878	0	4074	0	4066	0
	Gujarat	15361	0	15293	0	15031	0	15427	0	15458	0	15461	0	14276	0
	MP	8351	0	8505	0	8392	0	8392	0	8466	0	8443	0	8292	0
	Maharashtra	22296	0	22857	0	22472	146	22212	20	21573	0	21799	0	20739	0
	Goa	510	0	493	0	504	0	489	0	518	0	479	0	425	0
	DD	324	0	322	0	322	0	315	0	321	0	301	0	294	0
	DNH	727	0	747	0	753	0	764	0	746	0	764	0	735	0
	Essar steel	751	0	444	0	445	0	461	0	496	0	474	0	480	0
SR	Andhra Pradesh	7735	0	7716	0	7699	0	7557	0	7526	0	7582	0	7518	0
	Telangana	8228	0	8302	0	8247	0	7916	0	7994	0	7792	0	7237	0
	Karnataka	9070	0	9594	0	9696	0	9649	0	9258	0	9168	0	8690	0
	Kerala	3793	0	3842	0	3865	0	3721	0	3648	0	3670	0	3646	0
	Tamil Nadu	14085	0	14696	0	15230	0	14801	0	14819	0	14270	0	13514	0
	Pondy	355	0	355	0	365	0	352	0	352	0	356	0	343	0
ER	Bihar	3720	150	3791	0	3785	0	3926	0	3836	100	3691	100	3735	0
	DVC	3084	0	2817	0	2997	0	3055	0	2925	0	2805	0	2882	0
	Jharkhand	1148	0	1154	0	1101	0	1121	0	1145	0	1265	0	1141	0
	Odisha	4057	0	4080	0	4046	0	4346	0	4240	0	4337	0	4121	0
	West Bengal	8616	0	8646	0	8235	0	8078	0	8359	0	7395	0	6031	0
	Sikkim	97	0	95	0	95	0	78	0	73	0	65	0	67	0
NER	Arunachal Pradesh	88	2	86	4	87	2	86	2	86	3	92	1	100	2
	Assam	1384	46	1462	18	1277	149	1386	58	1348	39	1378	7	1311	37
	Manipur	148	1	151	1	149	0	151	1	146	1	139	3	135	2
	Meghalaya	258	0	277	0	210	0	267	0	258	0	228	0	264	0
	Mizoram	79	2	79	3	82	2	81	1	79	0	75	3	75	0
	Nagaland	96	5	102	1	112	2	116	1	99	1	107	2	106	1
	Tripura	220	15	200	16	148	33	200	20	147	36	157	26	165	10

6. Energy Consumption in States (MUs)

Region	States	17-04-2017	18-04-2017	19-04-2017	20-04-2017	21-04-2017	22-04-2017	23-04-2017
NR	Punjab	120.7	122.5	129.1	135.6	136.7	109.7	103.0
	Haryana	124.1	132.6	134.0	135.4	139.5	127.8	127.7
	Rajasthan	189.9	193.4	197.0	201.5	196.8	200.1	194.9
	Delhi	99.1	102.8	104.5	109.5	114.6	109.7	93.8
	UP	335.9	348.5	352.9	359.1	350.9	342.6	324.5
	Uttarakhand	36.1	38.3	37.8	38.9	39.3	35.1	34.2
	HP	25.0	25.4	26.5	26.2	25.6	22.3	22.4
	J&K	50.6	38.4	38.8	35.5	32.2	30.2	35.7
Chandigarh	4.9	5.3	5.5	5.5	6.1	4.9	4.5	
WR	Chhattisgarh	94.3	95.1	94.3	92.7	91.6	91.4	93.4
	Gujarat	341.0	340.5	339.3	344.2	348.5	339.5	323.9
	MP	183.3	182.7	179.9	179.9	184.7	184.4	178.3
	Maharashtra	494.5	499.3	497.7	488.4	485.4	486.8	472.6
	Goa	10.5	11.1	10.7	10.8	11.1	10.8	9.1
	DD	7.2	7.3	7.3	7.2	7.3	5.9	6.8
	DNH	16.1	16.8	17.2	17.4	17.2	17.2	17.1
	Essar steel	9.7	9.2	8.8	9.5	10.1	9.7	10.2
SR	Andhra Pradesh	169.4	170.8	168.7	166.6	160.0	164.0	164.6
	Telangana	168.9	174.1	172.6	168.2	168.6	163.0	156.8
	Karnataka	198.5	211.2	214.2	210.4	204.3	205.1	198.0
	Kerala	75.7	76.4	77.2	76.6	73.6	73.6	70.3
	Tamil Nadu	313.3	320.6	331.0	327.7	321.8	316.2	298.1
	Pondy	7.4	7.6	7.8	7.7	7.8	7.5	7.6
ER	Bihar	66.6	65.8	68.5	61.8	69.1	69.0	66.9
	DVC	65.8	65.6	66.4	65.8	66.4	66.2	63.6
	Jharkhand	24.9	25.3	20.4	23.5	24.8	23.8	25.7
	Odisha	79.9	83.6	78.8	82.4	83.6	81.8	82.3
	West Bengal	154.9	161.6	152.2	141.0	153.3	133.2	118.6
	Sikkim	1.3	1.4	1.4	1.4	1.2	1.0	0.9
NER	Arunachal Pradesh	1.9	2.1	2.0	1.9	2.0	2.1	2.0
	Assam	21.3	23.3	22.8	21.3	22.2	21.7	21.6
	Manipur	2.3	2.5	2.4	2.4	2.3	2.3	2.4
	Meghalaya	4.4	4.8	4.5	4.4	4.2	4.1	4.1
	Mizoram	1.3	1.4	1.4	1.3	1.5	1.2	1.5
	Nagaland	1.9	2.1	2.1	2.4	2.1	1.8	1.9
	Tripura	2.9	4.0	3.0	2.2	2.4	3.9	2.8
ALL INDIA TOTAL		3505.5	3573.4	3578.8	3566.3	3568.7	3469.7	3342.0

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

साप्ताहिक रिपोर्ट (17 अप्रैल से 23 अप्रैल 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	17-04-2017	18-04-2017	19-04-2017	20-04-2017	21-04-2017	22-04-2017	23-04-2017
East to North	-43.5	-44.6	-44.0	-40.0	-41.5	-50.2	-47.9
East to West	36.6	33.0	26.4	25.4	25.1	24.7	18.8
East to South	-72.1	-69.6	-65.3	-164.5	-68.1	-64.0	-67.0
East to North-East	-1.7	0.7	1.6	0.8	3.9	6.0	7.7
North-East to North	1.2	13.3	11.8	10.2	11.5	12.6	11.5
West to North	-134.9	-145.6	-147.5	-144.9	-145.4	-107.9	-110.8
West to South	-72.2	-70.5	-80.1	-73.9	-70.2	-68.7	-74.5

भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (17 अप्रैल से 23 अप्रैल 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			बाग्लादेश 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)
17-04-2017	3.2	135	-8.2	-380	-343	-15.0	-657	-624
18-04-2017	3.7	154	-8.5	-397	-353	-14.8	-651	-617
19-04-2017	4.0	167	-7.4	-304	-310	-14.6	-641	-608
20-04-2017	5.1	210	-7.6	-327	-317	-12.5	-615	-519
21-04-2017	5.7	236	-6.7	-314	-278	-13.6	-608	-566
22-04-2017	7.2	299	-6.8	-175	-284	-10.0	-593	-417
23-04-2017	8.7	364	-4.4	-310	-183	-11.9	-641	-494
कुल Total	37.6		-49.6			-92.3		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid
				Date	Time	Date	Time					
1	ER	1) 400 KV Muzaffarpur-Darbhanga-II 2) 500MVA ICT-1 Darbhanga	PG/BSHPCL/DMTCL	18.04.2017	12:35	18.04.2017	13:54	01:19	400kv Muzaffarpur-Darbhanga-I was already under breakdown. At 12:35 Hrs 400 KV Muzaffarpur-Darbhanga-II tripped on Bph-N fault, consequently 500Mva ICT-1 Muzaffarpur tripped and 90 MW load loss occurred.		90	GD-I
2	ER	1) 500MVA ICT-1 Darbhanga	DMTCL/BSHPCL	19.04.2017	22:56	19.04.2017	23:08	00:12	At 22:56 Hrs, 400/220 KV 500 MVA ICT-I TRIPPED AT DARBHANGA causing power failure at 220 KV Darbhanga(DMTCL). As 220 KV Samastipur and 220 KV Motipur-Musari-Darbhanga(B) was radially connected to 220 KV Darbhanga(DMTCL), load loss of around 217 MW occurred.		217	GD-I
3	NR	1) 500MVA ICT-1 at Greater Noida 2) 315MVA ICT-2 at Greater Noida	UPPCL	19.04.2017	14:32	19.04.2017	14:52	00:20	At 14:32 Hrs 220kv Bus-A bus-bar protection at G.Noida operated, resulting in tripping of 500MVA ICT-I & 315MVA ICT-II with a load loss of around 800MW of Uttar Pradesh		800	GD-I
4	ER	1)765kV Jharsuguda-Dharamjaygarh D/c 2)765kV Jharsiguda-Angul D/c 3) 765/400kV ICT 1 & 2 at Jharsuguda	PGCIL	19.04.2017	15:51	20.04.2017	06:04	14:13	At 15:51 765 KV Jharsuguda S/S became dead due to tripping of Both buses. Thunderstorm with heavy lightning and heavy winds , connectors of many isolators(total 18) at Jharsuguda S/S got broken and conductors were free hanging which caused phase to phase fault leading to tripping of 765 KV Jharsuguda – Angul D/C , 765 KV Jharsuguda – Dharamjaigarh D/C and two 765 /400 KV ICTs.		0	GI-2
5	ER	1) 500MVA ICT-1 Darbhanga	DMTCL/BSHPCL	20.04.2017	04:54	19.04.2017	23:08	18:14	At 04:54 Hrs, 400/220 KV 500 MVA ICT-I TRIPPED AT DARBHANGA due to tie CB tripping causing power failure at 220 KV Darbhanga(DMTCL). As 220 KV Samastipur and 220 KV Motipur-Musari- Darbhanga(B) was radially connected to 220 KV Darbhanga(DMTCL),load loss of 30MW occurred.		30	GD-I
6	WR	1)400kv Balco-Dharamjaygarh D/c 2) 765/400kv ICT 1 & 2 at Dharamjaygarh 3)765kv Champa-Dharamjaygarh	PGCIL/BALCO	20.04.2017	10:53	20.04.2017	12:46	01:53	At 10:53 Hrs, 400kv BALCO-Dharamjaygarh D/C tripped along with both the 765/400 Kv ICTs at Dharamjaygarh. However, BALCO couldn't be survived islanding operation and all running units (900MW) tripped resulted in load loss at BALCO. 765Kv Champa-Dharamjaygarh also tripped at the same time. Both ICTs along with the 400Kv BALCO-Dharamjaygarh D/C restored by 1246 Hrs. 765Kv Champa- Dharamjaygarh restored at 12:44 Hrs.PGCIL has reported Maloperation of BCU of ICT-I & ICT-2, which resulted in tripping of both 400kv Balco lines from Balco end.	900	900	GD-I
7	ER	1) 500MVA ICT-1 Darbhanga	DMTCL/BSHPCL	20.04.2017	15:27	20.04.2017	16:19	00:52	At 15:27 Hrs, 400/220 KV 500 MVA ICT-I tripped at Darbhanga LBB operated due to hard wire problem at bay 401 causing power failure at 220 KV Darbhanga(DMTCL). As 220 KV Samastipur and 220 KV Motipur-Mushari Darbhanga(B) was radially connected to 220 KV Darbhanga(DMTCL), Load loss of around 70 MW occurred at Darbhanga,		70	GD-I