



National Load Despatch Centre
पावर 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:17th August 2017

To,

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

Sub: Weekly Status Report 7th August to 13th August 2017.

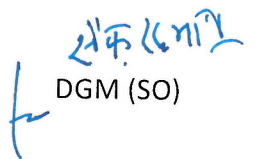
महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 7 अगस्त से 13 अगस्त 2017, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 7th August to 13th August 2017, is available at the NLDC website.

Thanking you,

Yours faithfully,


DGM (SO)

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

साप्ताहिक रिपोर्ट (07 अगस्त से 13 अगस्त 2017 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 17-Aug-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)
07-08-2017	48680	771	37041	69	37752		18999	400	2523	161	144995	1401
08-08-2017	51187	2099	42194	202	35912	313	19617	450	2545	154	151455	3219
09-08-2017	50428	2604	42059	396	35289	335	19956	207	2479	157	150211	3699
10-08-2017	52445	1933	43379	46	34882	255	18563	14	2421	261	151691	2509
11-08-2017	53020	1812	42821	36	38524		19377	150	2342	215	156084	2214
12-08-2017	53431	1462	42808		37004	30	18240		2247	259	153730	1751
13-08-2017	52331	1170	41459	42	34315	41	17548		2279	189	147932	1442

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)
07-08-2017	1127	348	923	27	911	71	399	110	46	23	3407	580
08-08-2017	1145	355	970	38	910	86	401	111	48	23	3474	613
09-08-2017	1163	356	992	31	878	77	404	107	46	24	3482	596
10-08-2017	1164	384	1002	26	862	63	389	107	44	28	3461	609
11-08-2017	1185	382	1006	28	885	46	394	104	41	30	3511	590
12-08-2017	1187	389	989	24	853	68	375	99	42	30	3446	610
13-08-2017	1175	370	977	19	792	49	360	90	42	29	3346	558

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
07-08-2017	6.97	7.69	82.91	9.41	49.98	0.036
08-08-2017	17.78	20.96	73.44	5.60	49.95	0.076
09-08-2017	15.60	17.36	75.27	7.37	49.96	0.059
10-08-2017	5.36	5.36	76.93	17.71	50.00	0.031
11-08-2017	1.37	1.37	73.53	25.10	50.02	0.025
12-08-2017	2.56	2.56	76.06	21.38	50.01	0.027
13-08-2017	3.94	3.94	84.62	11.45	49.99	0.027

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 400 kV Gorakhpur-Motihari-I line (along with L/R) first time charged on 07-08-2017 at 1214 hrs.
2. 765 kV Hapur-Greater Noida first time charged on 11.08.2017 at 1146 hrs.

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

Region	Date	07-08-2017		08-08-2017		09-08-2017		10-08-2017		11-08-2017		12-08-2017		13-08-2017	
	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	10062	0	10074	0	9912	0	10447	0	10523	0	10941	0	10450	0
	Haryana	7889	0	8273	280	8328	300	8945	0	8889	0	9031	0	8768	0
	Rajasthan	8701	0	8164	0	8398	0	8859	0	9014	0	9029	0	9195	0
	Delhi	5289	0	5453	0	5298	0	5548	0	5556	52	5235	0	5239	0
	UP	16647	0	16413	380	16611	420	16548	0	16624	450	16719	630	16742	740
	Uttarakhand	1530	150	1802	150	1769	75	1786	0	1823	0	1747	0	1795	0
	HP	1120	0	1222	0	1316	0	1351	0	1270	0	1320	0	1224	0
	J&K	1926	482	1847	462	1925	481	2008	502	1914	478	1988	497	1824	456
Chandigarh	258	0	276	0	282	0	297	0	304	0	278	0	269	0	
WR	Chhattisgarh	3468	0	3640	0	3780	0	3829	0	3743	0	3815	0	3786	0
	Gujarat	10705	0	12193	0	12777	0	12639	0	12636	0	11893	0	11444	0
	MP	6749	0	6733	0	6992	0	7403	0	7469	0	7336	0	7314	0
	Maharashtra	19324	0	19946	0	19963	0	19844	0	20152	0	19763	0	19775	0
	Goa	455	0	455	0	416	0	416	0	416	0	411	0	411	0
	DD	278	0	313	0	327	0	328	0	321	0	328	0	305	0
	DNH	706	0	729	0	739	0	745	0	745	0	749	0	741	0
	Essar steel	345	0	291	0	309	0	273	0	96	0	100	0	123	0
SR	Andhra Pradesh	7272	0	7112	0	6994	0	7049	0	6850	0	6801	0	6301	0
	Telangana	9397	0	8453	0	7741	0	7977	0	8736	0	8311	0	7947	0
	Karnataka	8805	0	8891	0	8671	350	8607	0	8634	0	8126	0	7571	0
	Kerala	3328	0	3246	0	3309	100	3333	0	3179	0	3057	0	3099	0
	Tamil Nadu	13956	0	13702	0	13218	0	12784	0	12582	0	12727	0	11695	0
	Pondy	338	0	338	0	335	35	338	0	332	0	323	0	307	0
ER	Bihar	4220	50	4221	0	3981	0	3764	0	3864	150	3878	0	3773	0
	DVC	2780	200	2789	450	3046	0	2286	0	2812	0	2820	0	2572	0
	Jharkhand	1219	0	1185	0	1128	0	1073	0	1215	0	1204	0	1181	0
	Odisha	3942	0	3989	0	3748	0	4142	0	3905	0	3956	0	4064	0
	West Bengal	7933	0	8204	0	7856	0	7464	0	7782	0	7319	0	6879	0
	Sikkim	85	0	88	0	90	0	90	0	74	0	83	0	75	0
NER	Arunachal Pradesh	107	4	107	2	102	1	107	3	122	2	97	7	126	2
	Assam	1580	134	1631	131	1609	117	1502	202	1488	140	1417	208	1438	128
	Manipur	141	5	142	1	136	1	154	2	149	3	128	8	133	6
	Meghalaya	273	0	252	0	254	0	292	0	264	0	264	0	248	0
	Mizoram	69	6	67	1	69	1	76	2	75	1	77	2	72	1
	Nagaland	109	4	109	1	110	2	119	1	119	3	112	3	110	4
	Tripura	249	3	254	2	230	3	210	12	184	7	178	6	192	7

6. Energy Consumption in States (MUs)

Region	States	07-08-2017	08-08-2017	09-08-2017	10-08-2017	11-08-2017	12-08-2017	13-08-2017
NR	Punjab	227.7	228.1	227.6	231.4	238.2	241.1	238.1
	Haryana	158.6	165.6	171.3	174.3	184.2	184.4	181.4
	Rajasthan	186.4	185.0	186.2	189.4	192.5	193.4	196.4
	Delhi	103.5	109.8	110.7	112.7	114.2	108.2	103.4
	UP	352.6	353.1	360.5	348.7	347.9	349.7	350.6
	Uttarakhand	32.2	36.7	38.5	37.2	36.0	37.9	37.1
	HP	23.2	24.8	25.3	27.1	27.5	27.8	26.2
	J&K	37.9	36.0	36.8	37.4	38.4	38.6	36.7
	Chandigarh	5.3	5.6	5.7	6.0	6.1	5.7	5.3
WR	Chhattisgarh	83.7	84.6	86.1	86.3	88.4	88.2	90.5
	Gujarat	230.0	262.8	279.6	283.6	281.7	266.7	257.0
	MP	148.0	148.0	148.1	155.0	161.6	160.9	162.4
	Maharashtra	424.7	437.5	439.9	438.6	439.3	439.2	433.4
	Goa	8.9	8.9	9.0	9.0	9.0	8.4	8.4
	DD	5.4	6.6	7.1	7.4	7.4	7.4	7.0
	DNH	15.7	16.5	17.1	17.1	17.1	17.2	16.9
	Essar steel	7.1	5.2	5.1	5.4	1.3	1.3	1.4
SR	Andhra Pradesh	162.6	161.0	155.3	158.6	153.8	147.8	145.6
	Telangana	191.8	181.7	167.0	169.0	178.4	176.2	165.3
	Karnataka	191.9	198.8	194.8	184.1	184.1	171.6	164.1
	Kerala	64.1	64.8	66.5	66.5	64.7	64.0	59.6
	Tamil Nadu	293.6	295.8	287.1	276.6	297.2	286.0	251.1
	Pondy	7.2	7.4	7.1	7.3	7.2	7.0	5.8
ER	Bihar	82.2	80.8	81.3	73.3	75.2	71.4	66.2
	DVC	60.5	61.9	62.3	62.5	63.0	62.6	63.4
	Jharkhand	24.1	24.0	22.2	23.6	23.8	22.9	21.7
	Odisha	77.7	76.4	80.1	81.5	84.3	81.5	78.4
	West Bengal	153.3	156.6	156.5	146.6	146.6	135.3	129.7
	Sikkim	1.0	1.1	1.4	1.2	1.2	1.3	0.9
NER	Arunachal Pradesh	2.1	2.1	2.1	2.0	2.0	2.0	2.1
	Assam	29.7	30.8	29.4	28.0	25.5	26.2	25.8
	Manipur	2.2	2.1	2.1	2.1	2.0	2.4	2.3
	Meghalaya	5.0	6.3	5.2	4.4	4.4	4.7	4.5
	Mizoram	1.1	1.3	1.3	1.3	1.4	1.3	1.3
	Nagaland	2.0	2.3	2.2	2.2	2.2	2.2	2.0
	Tripura	3.8	3.2	3.9	3.9	3.6	3.0	3.7
ALL INDIA TOTAL		3406.7	3473.0	3482.2	3461.2	3511.3	3445.2	3345.5

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

साप्ताहिक रिपोर्ट (07 अगस्त से 13 अगस्त 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	07-08-2017	08-08-2017	09-08-2017	10-08-2017	11-08-2017	12-08-2017	13-08-2017
East to North	-43.1	-53.7	-49.4	-51.8	-45.5	-54.7	-52.8
East to West	28.5	30.9	20.4	30.8	30.4	12.3	4.9
East to South	-74.1	-67.6	-65.6	-68.4	-68.0	-39.5	-29.9
East to North-East	-14.4	-18.1	-15.2	-14.3	-10.0	-1.7	-15.9
North-East to North	-15.6	-17.0	-17.8	-17.3	-18.5	-8.7	-14.2
West to North	-121.2	-129.1	-128.8	-114.9	-116.3	-116.8	-120.0
West to South	-81.0	-68.3	-73.2	-72.5	-75.5	-63.5	-56.5

भूटान , नेपाल एव बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (07 अगस्त से 13 अगस्त 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)
07-08-2017	35.6	1484	-5.8	-343	-241	-14.4	-635	-601
08-08-2017	35.5	1478	-6.2	-367	-258	-14.3	-628	-595
09-08-2017	37.2	1550	-6.3	-287	-262	-14.4	-659	-599
03-07-2017	36.4	1516	-5.1	-266	-214	-14.3	-629	-598
11-08-2017	37.1	1544	-4.2	-259	-175	-14.1	-624	-588
12-08-2017	33.5	1396	-1.5	-205	-64	-14.3	-627	-595
13-08-2017	37.5	1564	-0.7	-70	-29	-14.2	-651	-593
कुल Total	252.8		-29.9			-100.0		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	NER	1) 132kV Monarchak-Rokhia 2) 132kV AGTCCPP-Agartala -I 3)132kV AGTCCPP-Agartala -II. 4)132 kV AGTCCPP-Kumarghat 5) 132kV Palatana-Udaipur 6)132kV Agartala-Rokhia I & II 7) 132 kV Palatana-Surajmaninagar 8)AGTCCPP,Monarchak,Rokhia,Baramura, Gumati	NER/PG	09.08.2017	05:17	09.08.2017	05:40	0:23	Due to blackout at Surajmaninagar, 132kV Comilla –SM Nagar I & II was hand tripped.	245	97	GD-I
2	WR	1) 220 kV BUS-1 at Itarsi 2)220 kV Itarsi - Itarsi # 2 3) 220 kV Itarsi – Hosangabad # 2 4) 220kV Bus Coupler	WR/PG	10.08.2017	02:18	10.08.2017	23:07	20:49	Bus Bar protection operated on 220 kV Bus-1 at Powergrid Itarsi.	0	0	GI-I
3	WR	1)220kV Warora-Bhugaon-2 2)220kV Warora-WPCL-1 3)220kV Warora-WPCL-2 4)WPCL-3 (135 MW) 5)WPCL-4 (135 MW)	WR/MSEB	11.08.2017	23:23	11.08.2017	23:55	0:32	220kV Warora-Bhugaon-2, Y-Ph CT blasted at 220kV Warora leading to tripping of elements given in column C.	270		GD-I
4	WR	1)400kV Vadodara-Asoj-1 2)400kV Indore-Asoj-2 3)400kV SSP-Asoj 4)400/220kV 500MVA ICT-2 & 4 5)400kV 50 MVAR Bus reactor 7)400kV Asoj-Chorania-1 8)400kV Asoj-Chorania-2	WR/PG	09.08.2017	18:03	09.08.2017	19:18	1:15	400kV Vadodara-Asoj line-1 B-Ph Earth switch insulator broken at Asoj end.	0	0	GI-II
5	ER	1) Sasaram HVDC B-B 2) 765/400 KV 1500 MVA ICT#1 3) 400/220 KV 315 MVA ICT#1 and 500 MVA ICT#2at Sasaram 4)All outgoing feeders at 220 KV 5)220 KV Pusauli-Nadokhar (BSEB) 6)220 KV Pusauli -Ara 7)220 KV Pusauli -Dehri	ER/PG	12.08.2017	14:51	12.08.2017	15:30	0:39	Elements given in column C at Pusauli (Sasaram) tripped. Detail report awaited from CPCC Patna and BSEB.		209	GD-I
6	NER	1)132/66 KV S/s of WBTCL(Alipurduar) 2)400/220 kv Alipurduar s/s (PGCIL) 3) Alipurduar- Birpara D/c & 315MVA *2 ICTs 4)400 KV Binaguri-Alipurduar-Bongagaon d/c 5)HVDC Alipurduar S.S 6)220 kv Alipurduar-Salakati d/c	NERR/PG	12.08.2017	03:00	13.08.2017	15:55	12:55	Heavy flood reported around Alipurduar ,West Bengal due to overflow of adjacent Kaljani River. As a result 132/66 KV Substation of WBTCL had to be switched off around 03:00 hrs interrupting approx 15 MW load to local Alipurduar & 66 kv Kamakhyapuri . 66 kv Hamiltonganj has been diverted to Birpara.Entire 220 KV system at 400/220 KV + 800 KV HVDC Alipurduar S.S of Powergrid has been de-energised on emergency basis at 04:50 hrs by opening of 220 KV Alipurduar-Salakati d/c, 220 KV Alipurduar- Birpara d/c & 315MVA *2 ,400/220 KV ICTs .Water ran over marshaling box of Isolators in switchyard.			GI-II

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time	Time				
7	ER	400/220 KV KISHANGANJ S/S 1)400 kv Kishanganj-Binaguri D/c 2)400 kv Kishanganj-New Purnea D/c 3)400 KV Kishanganj-Patna D/c 4)220 kv Kishanganj-Siliguri D/c 5)220 kv Kishanganj-Dalkhola D/c 6)220 KV Kishanganj-Kishanganj(BSPTCL) Q/c	ER/PG	13.08.2017	10:25	14.08.2017	11:25	24:00	400/220 KV Kishanganj S/s was switched off due to water ingress in switchyard and control room. As per report received, Marshalling box at Switchyard half-submerged under water. Control room building is also inundated.			GI-II
8	ER	220 KV DALKHOLA (PG) S/S 1) 220 kv Dalkhola- Purnea D/c 2) 220 kv Dalkhola-Malda D/c 3) 220 KV Dalkhola-Dalkola (WB) D/c 4) 220 kv Dalkhola- Kishanganj D/c	ER/PG	13.08.2017	14:40	17.08.2017	12:32	93:52	At 14:51 Hrs,220 KV Dalkhola(PG) S/s was switched off due to flood for rain. At 220KV Dalkhola Substation all bay's JB, water level raises upto JB level.			GI-I