



National Load Despatch Centre
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)
CIN No.: U40105DL2009GOI188682
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 27thDec 2019

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., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 16thDec-2019 to 22ndDec-2019.


महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 16 दिसम्बर-2019 से 22 दिसम्बर-2019, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक 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 16thDec-2019 to 22ndDec-2019., is available at the NLDC website.

Thanking You.

Yours faithfully,


DGM (SO-I)

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

साप्ताहिक रिपोर्ट (16 दिसम्बर से 22 दिसम्बर 2019 तक)

रिपोर्टिंग तिथि:- 27-Dec-19

(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 (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)
16-12-2019	45422	650	46915		38293		17296		2309	23	150235	673
17-12-2019	45701	540	47350		39222		17787		2268	38	152328	578
18-12-2019	46721	763	48209		38637		17834		2353	26	153754	789
19-12-2019	47100	629	47763		39306		17976		2302	27	154447	656
20-12-2019	46847	805	47777		39188		17799		2397	23	154008	828
21-12-2019	46872	632	48058		38839		17878		2405	34	154052	666
22-12-2019	44436	601	45325		36290		17852		2335	23	146238	624

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)
	16-12-2019	866	128	1080	45	887	83	329	34	39	9	3200
17-12-2019	892	124	1099	38	906	81	337	35	39	9	3273	287
18-12-2019	912	122	1106	47	916	84	341	39	40	9	3315	300
19-12-2019	920	118	1122	48	938	77	337	38	39	9	3357	289
20-12-2019	945	119	1133	49	947	90	339	42	41	8	3404	309
21-12-2019	932	124	1136	45	932	76	341	37	41	8	3381	290
22-12-2019	910	119	1113	43	900	70	334	32	38	9	3294	272

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
16-12-2019	7.13	8.78	55.37	35.84	50.01	0.075
17-12-2019	3.62	3.95	75.43	20.63	50.01	0.031
18-12-2019	4.35	4.93	73.53	21.54	50.00	0.036
19-12-2019	6.47	6.50	67.60	25.89	50.01	0.040
20-12-2019	13.92	14.77	69.58	15.65	49.98	0.053
21-12-2019	3.04	3.04	79.40	17.56	50.01	0.028
22-12-2019	4.94	4.94	78.37	16.69	50.00	0.032

*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	16-12-2019		17-12-2019		18-12-2019		19-12-2019		20-12-2019		21-12-2019		22-12-2019	
	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	5323	0	5513	0	5656	0	5518	0	5954	0	5985	0	5580	0
	Haryana	6320	0	6397	0	6515	0	6533	0	6591	0	6517	0	5990	0
	Rajasthan	11761	83	12320	0	12191	0	12522	0	13082	0	13112	0	12943	0
	Delhi	3868	0	4028	0	4162	0	4181	0	4486	0	4120	0	4028	0
	UP	13810	0	14041	0	14136	55	14541	0	14518	310	14418	0	14358	150
	Uttarakhand	1951	0	2044	0	2021	0	2087	0	2078	0	2093	0	1969	0
	HP	1665	0	1673	0	1703	0	1676	0	1684	0	1679	0	1596	0
	J&K	2601	650	2323	581	2551	638	2458	615	2589	647	2526	632	2509	627
Chandigarh	246	0	250	0	256	0	262	0	268	0	256	0	235	0	
WR	Chhattisgarh	3405	0	3575	0	3461	0	3605	0	3648	0	3553	0	3545	0
	Gujarat	14695	0	14659	0	14780	0	15582	0	15869	0	15713	0	15444	0
	MP	12319	0	12514	0	12056	0	12666	0	12902	0	13110	0	13312	0
	Maharashtra	21398	0	21809	0	21743	0	21880	0	21404	0	21645	0	21028	0
	Goa	588	0	611	0	580	0	530	0	530	0	587	0	542	0
	DD	318	0	338	0	330	0	292	0	325	0	330	0	302	0
	DNH	800	0	806	0	814	0	815	0	796	0	803	0	782	0
	Essar steel	283	0	320	0	308	0	343	0	297	0	348	0	365	0
SR	Andhra Pradesh	7715	0	7763	0	7831	0	8075	0	8151	0	8163	0	8052	0
	Telangana	9940	0	10329	0	10429	0	10406	0	10591	0	10694	0	10420	0
	Karnataka	10806	0	10882	0	10941	0	11340	0	11215	0	11275	0	10660	0
	Kerala	3535	0	3325	0	3541	0	3565	0	3498	0	3431	0	3248	0
	Tamil Nadu	13008	0	13072	0	13471	0	13347	0	13689	0	13029	0	12011	0
	Pondy	357	0	353	0	360	0	362	0	355	0	337	0	314	0
ER	Bihar	3907	0	3938	0	3991	0	4043	0	4127	0	4037	0	4160	0
	DVC	3081	0	3162	0	3123	0	3145	0	3160	0	3543	0	3146	0
	Jharkhand	1251	0	1248	0	1272	0	1309	0	1298	0	1227	0	1314	0
	Odisha	3643	0	3679	0	3712	0	3720	0	3701	0	3855	0	3831	0
	West Bengal	6011	0	6167	0	6188	0	6283	0	6081	0	6123	0	5641	0
Sikkim	100	0	122	0	121	0	125	0	131	0	131	0	121	0	
NER	Arunachal Pradesh	115	2	115	2	120	2	122	2	117	2	123	3	124	1
	Assam	1270	8	1339	18	1379	18	1338	16	1380	12	1368	21	1267	16
	Manipur	189	2	202	1	203	1	184	1	184	1	202	3	198	2
	Meghalaya	349	0	336	0	347	0	324	0	361	0	351	1	342	0
	Mizoram	101	1	103	0	101	1	99	1	110	1	108	2	99	1
	Nagaland	121	2	129	1	128	2	144	3	134	2	129	2	135	2
Tripura	221	0	221	1	227	4	222	4	229	5	239	10	216	4	

6. Energy Consumption in States (MUs)

Region	States	16-12-2019	17-12-2019	18-12-2019	19-12-2019	20-12-2019	21-12-2019	22-12-2019
NR	Punjab	103.0	105.0	109.4	107.5	114.0	114.7	111.3
	Haryana	114.3	119.2	120.7	122.4	125.4	124.1	115.8
	Rajasthan	217.9	222.5	223.2	227.8	234.8	233.4	227.9
	Delhi	67.6	70.2	70.2	73.2	74.8	70.7	70.0
	UP	243.5	253.5	263.3	266.5	271.7	267.8	266.1
	Uttarakhand	37.1	38.5	39.3	39.4	38.8	38.5	36.0
	HP	29.7	30.0	31.5	31.1	30.4	30.3	28.2
	J&K	48.8	48.9	50.2	48.1	50.9	48.0	50.6
	Chandigarh	4.2	4.2	4.4	4.5	4.4	4.3	3.9
WR	Chhattisgarh	72.7	75.8	76.2	76.8	77.9	77.0	79.7
	Gujarat	307.5	309.1	316.4	329.4	332.8	329.7	316.0
	MP	221.8	223.8	224.1	230.9	236.3	239.5	240.9
	Maharashtra	434.9	445.4	444.6	444.1	443.7	443.6	431.0
	Goa	12.5	12.7	12.4	11.5	11.5	12.7	11.9
	DD	6.9	7.3	7.4	4.9	6.4	7.3	7.0
	DNH	18.5	18.6	18.8	18.8	18.6	18.7	18.5
	Essar steel	5.2	6.3	5.8	6.0	5.4	7.2	7.5
SR	Andhra Pradesh	155.9	158.2	160.2	166.5	167.6	167.4	164.8
	Telangana	204.5	208.6	211.7	215.6	214.2	216.1	216.4
	Karnataka	195.5	198.9	196.4	202.9	204.9	202.6	192.6
	Kerala	68.7	67.1	69.8	71.2	71.7	70.0	64.7
	Tamil Nadu	255.2	266.2	270.6	274.3	281.8	268.8	254.8
	Pondy	6.8	7.0	7.1	7.1	7.1	6.9	6.3
ER	Bihar	64.1	65.4	71.0	67.3	71.7	71.5	73.4
	DVC	62.7	63.8	63.7	64.8	64.1	63.5	63.6
	Jharkhand	22.4	24.2	23.9	24.0	24.6	25.2	25.3
	Odisha	68.4	68.9	69.3	66.7	67.0	65.8	66.4
	West Bengal	109.9	112.9	111.2	112.4	109.4	112.6	104.1
	Sikkim	1.7	1.8	1.8	1.9	1.9	1.9	1.7
NER	Arunachal Pradesh	2.1	2.1	2.1	2.0	2.1	2.2	2.1
	Assam	20.9	21.2	22.0	20.9	22.1	22.1	20.3
	Manipur	2.5	2.6	2.6	2.5	2.8	2.6	2.5
	Meghalaya	6.0	5.9	6.0	6.0	6.1	6.2	5.9
	Mizoram	1.8	1.8	1.8	1.6	1.9	1.9	1.9
	Nagaland	2.1	2.1	2.2	2.0	2.2	2.2	2.1
	Tripura	3.4	3.5	3.5	3.6	3.4	3.5	3.5
ALL INDIA TOTAL		3200.5	3273.0	3314.9	3356.3	3404.2	3380.7	3294.5

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

साप्ताहिक रिपोर्ट (16 दिसम्बर से 22 दिसम्बर 2019 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	16-12-2019	17-12-2019	18-12-2019	19-12-2019	20-12-2019	21-12-2019	22-12-2019
East to North	-75.7	-70.3	-71.8	-73.9	-77.8	-80.4	-66.4
East to West	16.3	18.4	13.1	10.2	8.4	24.0	28.5
East to South	-98.8	-98.6	-93.8	-91.1	-97.9	-106.2	-98.8
East to North-East	4.7	4.1	7.4	7.2	8.4	6.7	10.5
North-East to North	11.4	10.4	10.0	9.3	8.3	9.4	11.8
West to North	-145.2	-156.9	-160.3	-158.2	-163.0	-142.7	-151.5
West to South	-68.9	-68.4	-68.9	-62.1	-75.3	-80.3	-69.5

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

साप्ताहिक रिपोर्ट (16 दिसम्बर से 22 दिसम्बर 2019 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	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
16-12-2019	6.1	255	-6.0	-371	-249	-6.9	-528	-287
17-12-2019	5.6	233	-5.7	-380	-237	-9.7	-749	-404
18-12-2019	6.3	264	-7.0	-428	-291	-9.6	-750	-401
19-12-2019	4.8	199	-7.0	-376	-292	-9.9	-748	-410
20-12-2019	6.0	248	-7.4	-372	-309	-7.0	-540	-292
21-12-2019	5.5	228	-6.9	-379	-289	-8.6	-744	-357
22-12-2019	5.6	234	-7.4	-458	-308	-9.7	-758	-406
कुल Total	39.9		-47.4			-61.4		

8). Major Grid Incidences (Provisional):-												
S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revised		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per IEEA Grid Standards
				Date	Time	Date	Time					
1	NR	220KV Fatehpur – Unchahar-1 220KV Fatehpur – Unchahar-2 220KV Fatehpur – Fatehpur-1 220KV Fatehpur – Fatehpur-2 220KV Fatehpur – Sirathu 220KV Fatehpur – Allahabad Cant 220KV Fatehpur – Banda	UPPCL	16-Dec-19	12:30	16-Dec-19	12:42	00:12	220KV Fatehpur-Unchahar-2 tripped on Zone-1 distance protection. Along with aforesaid line, all 220KV lines at Fatehpur(LP) ckt's tripped, reason for tripping is still awaited. Load loss reported was around 60MW.	Nil	60	GD-1
2	NER	132 KV Loktak- Ningthoukhong 133 kv Ningthoukhong- Churachandpur D/C	DoP Manipur	17-Dec-19	18:23	17-Dec-19	18:55	00:32	At 18:43Hrs, 132 KV Loktak- Ningthoukhong (Indication: Loktak-No Tripping ; Ningthoukhong- O/C, E/F), resulting in blackout of Ningthoukhong, Churachandpur (connected radially from Loktak substation) areas of Manipur State. Due to this incident Ningthoukhong and Churachandpur (connected radially from Loktak substation) area of Manipur state were affected. Load loss of around 47 MW observed in Manipur. There was no generation loss.	Nil	47	GD-1
3	NER	132 KV Loktak- Ningthoukhong 133 kv Ningthoukhong- Churachandpur II	DoP Manipur	17-Dec-19	19:24	17-Dec-19	19:33	00:09	At 19:24Hrs, 132 KV Loktak- Ningthoukhong (Indication: Loktak-No Tripping ; Ningthoukhong- O/C, E/F), resulting in blackout of Ningthoukhong, Churachandpur (connected radially from Loktak substation) areas of Manipur State. Due to this incident Ningthoukhong and Churachandpur (connected radially from Loktak substation) area of Manipur state were affected. Load loss of around 21 MW observed in Manipur. There was no generation loss.	Nil	21	GD-1
4	WR	MB Power Unit-2 (600 MW) 400KV MB Power-Jabalpur PS-1 400KV MB Power-Jabalpur PS-2 400 KV Bus-1 at MB Power 400 KV Bus-2 at MB Power 400 KV Bus Reactor-1 at MB Power	MB Power/PG	17-Dec-19	16:53	17-Dec-19	17:27	00:34	As intimated by MB Power, Unit-2 tripped at 16:53hrs due to tripping of all evacuation lines i.e 400KV Jabalpur PS-MB Power ckt-1&2 due to DT received at MB Power end. Due to above tripping 400 KV MB Power Station became dark. Total generation loss of 510 MW occurred. At the time of tripping 400KV Bus-1 at Jabalpur PS is under planned outage.	510	Nil	GD-1
5	ER	220 KV Gaya- Khizersarai I 220KV Gaya-Khizersarai II	BSPHCL	19-Dec-19	17:09	19-Dec-19	17:52	00:43	220 KV Gaya- Khizersarai I tripped at 17:09 hrs. on B-N. 220KV Gaya-Khizersarai II tripped on overload interrupting power supply to Khizersarai S.S. In absence of feed from Powergrid Bihar Sariff S.S (220 KV Bharsarff- Khizersarai S/C under s/d), Lakhisarai S.S (132 KV Bus S/D at Lakhisarai) and Banka S.S (132 KV Banka-Sultanganj D/C under s/d) , Khizersarai is the only source to various districts comprising of towns of Khizersarai , Nawada, Kahaigaon, Seikhpura, Jamalpur, Lakhisarai , Jamui & Sultanganj - Traction loss of 20 MW was interrupted at Lakhisarai & Jamui.	Nil	266	GD-1
6	NER	132 KV Hallakandi Panchgram 132 KV Lumshong Panchgram	DoP Assam	19-Dec-19	14:22	19-Dec-19	15:25	01:03	At around 14:22 Hrs 132 KV Hallakandi- Panchgram has tripped with indication Hallakandi end: No tripping, Panchgram end: E/F-First attempt, in charging 132 KV Hallakandi Panchgram got tripped again at 14:33 Hrs with indication (Hallakandi end: K-V-B ph, E/F , Panchgram end: No tripping) Also, 132 KV Lumshong Panchgram got tripped with indication (Lumshong end: E/F, Panchgram end: No tripping). Above trippings leads to bus dead of 132 KV Panchgram SS. Due to this incident load of Panchgram area of Assam got interrupted. Load loss due to disturbance is around 20 MW. There was no generation loss.	Nil	20	GD-1