



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: 17th Jan 2020

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 06th Jan-2020 to 12th Jan-2020.

महोदय / Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 06 जनवरी -2020 से 12 जनवरी-2020, 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 06th Jan-2020 to 12th Jan-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr. DGM (SO-I)

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (06 जनवरी 2019 से 12 जनवरी 2020 तक)

रिपोर्टिंग तिथि:- 17-Jan-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 (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)
06-01-2020	48262	663	47898		40059		18384		2433	27	157036	690
07-01-2020	48692	595	48023		39584		18295		2452	29	157046	624
08-01-2020	47439	704	46086		38755		17364		2365	34	152009	738
09-01-2020	48578	634	46380		41486		18157	72	2422	44	157023	750
10-01-2020	48772	629	46710		39733		18340	140	2429	39	155984	808
11-01-2020	47292	578	47495		39669		18244		2428	30	155128	608
12-01-2020	45280	576	46041		37054		17673		2358	40	148406	616

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)
06-01-2020	970	114	1099	56	948	95	339	33	41	9	3397	307
07-01-2020	972	111	1124	62	959	93	345	34	41	8	3442	307
08-01-2020	940	108	1102	40	965	83	342	32	41	8	3391	271
09-01-2020	951	120	1093	37	984	87	334	37	42	8	3403	289
10-01-2020	989	117	1088	35	988	83	348	32	42	7	3455	274
11-01-2020	967	109	1120	51	982	75	346	30	42	7	3457	273
12-01-2020	932	109	1114	40	937	65	341	34	40	7	3364	256

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड
06-01-2020	11.98	13.81	72.88	13.31	49.98	0.058
07-01-2020	9.62	10.67	76.68	12.65	49.98	0.043
08-01-2020	5.61	6.52	75.56	17.93	50.00	0.039
09-01-2020	2.60	2.60	74.18	23.22	50.01	0.028
10-01-2020	4.26	4.98	73.52	21.50	50.01	0.040
11-01-2020	5.08	5.19	70.21	24.61	50.01	0.040
12-01-2020	4.85	5.06	79.24	15.71	50.00	0.033

*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	06-01-2020		07-01-2020		08-01-2020		09-01-2020		10-01-2020		11-01-2020		12-01-2020	
	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	5440	0	5698	0	5748	0	6000	0	5925	0	5857	0	5449	0
	Haryana	6566	0	6570	0	6531	0	6596	0	6742	0	6522	0	5763	0
	Rajasthan	13442	0	13672	0	12950	79	13495	0	13706	0	13560	0	13669	0
	Delhi	4341	0	4338	0	4282	0	4586	0	4802	0	4522	0	4262	0
	UP	15303	0	15897	0	14413	0	15452	595	16273	0	16528	0	16071	0
	Uttarakhand	2106	0	2086	0	2153	0	1993	0	2149	0	2183	0	1999	0
	HP	1665	0	1688	0	1608	0	1613	0	1671	0	1661	0	1595	0
	J&K	2650	663	2389	597	2696	674	2551	638	2515	629	2370	592	2370	593
	Chandigarh	274	0	275	0	278	0	282	0	287	0	259	0	243	0
WR	Chhattisgarh	3572	0	3553	0	3597	0	3439	0	3389	0	3460	0	3439	0
	Gujarat	15734	0	15651	0	15183	0	15139	0	15204	0	15957	0	15923	0
	MP	13347	0	13747	0	12574	0	12896	0	13317	0	13525	0	13741	0
	Maharashtra	21200	0	21596	0	21599	0	20959	0	21202	0	21650	0	21173	0
	Goa	500	0	591	0	493	0	496	0	511	0	496	0	430	0
	DD	315	0	327	0	326	0	322	0	308	0	329	0	298	0
	DNH	816	0	810	0	803	0	810	0	776	0	805	0	803	0
	Essar steel	310	0	360	0	298	0	294	0	319	0	351	0	307	0
	Andhra Pradesh	7842	0	7668	0	7990	0	8193	0	8521	0	8372	0	8624	0
SR	Telangana	10103	0	10851	0	10744	0	10918	0	10570	0	10829	0	10432	0
	Karnataka	11658	0	11770	0	11803	0	12305	0	12458	0	12284	0	11295	0
	Kerala	3751	0	3725	0	3335	0	3717	0	3616	0	3471	0	3191	0
	Tamil Nadu	14111	0	13878	0	14372	0	14333	0	14419	0	14212	0	13063	0
	Pondy	367	0	357	0	327	0	347	0	359	0	358	0	324	0
	Bihar	4483	0	4320	0	4457	0	4312	0	4472	0	4461	0	4505	0
ER	DVC	3048	0	3074	0	3142	0	3104	0	3061	0	3110	0	3094	0
	Jharkhand	1336	0	1309	0	1333	0	1408	0	1351	0	1353	0	1297	0
	Odisha	3661	0	3687	0	3533	0	3559	0	3574	0	3630	0	3560	0
	West Bengal	6081	0	6327	0	5533	0	6143	0	6266	0	6091	0	5762	0
	Sikkim	144	0	142	0	149	0	142	0	140	0	161	0	119	0
NER	Arunachal Pradesh	117	1	122	2	114	2	118	2	119	2	124	2	126	2
	Assam	1382	9	1376	10	1312	16	1363	14	1371	18	1356	15	1303	27
	Manipur	203	0	205	3	201	2	206	2	204	3	213	1	208	1
	Meghalaya	377	0	366	0	372	0	382	0	377	0	390	0	390	0
	Mizoram	103	1	105	1	100	0	105	1	104	1	105	2	105	1
	Nagaland	128	2	126	1	128	1	123	2	124	2	127	1	127	1
	Tripura	217	0	226	1	217	0	219	1	226	0	221	0	217	0

6. Energy Consumption in States (MUs)

Region	States	06-01-2020	07-01-2020	08-01-2020	09-01-2020	10-01-2020	11-01-2020	12-01-2020
NR	Punjab	108.2	112.0	112.6	113.5	113.0	111.8	103.6
	Haryana	125.7	124.7	120.2	126.5	129.7	128.5	114.1
	Rajasthan	240.7	242.6	239.0	231.5	243.4	237.6	240.4
	Delhi	73.8	74.5	74.7	77.5	79.7	72.7	69.3
	UP	294.0	292.3	269.2	276.6	295.1	288.3	288.0
	Uttarakhand	40.4	40.3	40.1	38.0	40.1	40.7	37.2
	HP	30.8	31.3	27.9	28.8	30.2	30.3	28.4
	J&K	52.0	49.9	51.9	53.8	53.2	52.5	47.6
	Chandigarh	4.6	4.7	4.7	4.7	4.6	4.4	4.0
WR	Chhattisgarh	75.2	75.8	74.2	69.7	67.7	72.9	74.7
	Gujarat	318.9	324.5	320.9	317.8	313.9	327.6	326.9
	MP	238.3	242.4	227.7	231.1	236.6	239.8	243.1
	Maharashtra	422.9	437.2	436.9	428.4	427.0	434.1	425.1
	Goa	12.7	11.0	10.4	13.5	13.4	13.6	12.2
	DD	6.9	7.3	7.3	7.2	6.3	7.3	6.9
	DNH	18.6	18.9	18.9	19.0	17.6	18.6	18.8
	Essar steel	5.3	6.5	5.9	5.8	5.8	5.8	5.8
SR	Andhra Pradesh	161.9	161.3	166.8	168.6	171.5	171.3	170.8
	Telangana	201.0	209.3	209.4	212.1	210.3	212.3	210.1
	Karnataka	213.2	215.4	216.7	225.6	226.8	222.3	207.3
	Kerala	73.7	74.4	66.7	73.0	73.4	70.9	63.2
	Tamil Nadu	290.7	291.7	298.3	298.3	298.5	298.1	279.3
	Pondy	7.2	7.4	6.9	6.4	7.3	7.2	6.7
ER	Bihar	80.1	79.7	79.5	70.5	80.2	79.9	82.1
	DVC	62.1	64.3	63.6	62.8	64.9	64.4	64.7
	Jharkhand	24.6	24.2	25.6	23.9	24.4	24.6	24.0
	Odisha	64.2	66.0	64.6	65.2	65.4	65.2	65.0
	West Bengal	106.4	109.1	106.8	109.6	110.9	110.0	103.3
	Sikkim	2.0	2.1	2.1	2.0	2.0	2.0	1.7
NER	Arunachal Pradesh	2.1	2.2	2.1	2.2	2.2	2.4	2.3
	Assam	22.6	22.4	22.0	23.0	22.4	23.1	21.6
	Manipur	2.6	2.6	2.6	2.7	2.7	2.7	2.6
	Meghalaya	6.3	6.4	6.5	6.4	6.5	6.3	6.4
	Mizoram	1.8	1.7	1.8	1.8	1.6	1.6	1.5
	Nagaland	2.2	2.2	2.2	2.3	2.2	2.4	2.3
	Tripura	3.3	3.5	3.9	3.4	4.1	3.6	3.5
ALL INDIA TOTAL		3397.2	3441.8	3390.5	3403.0	3454.6	3456.8	3364.3

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

साप्ताहिक रिपोर्ट (06 जनवरी 2019 से 12 जनवरी 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	06-01-2020	07-01-2020	08-01-2020	09-01-2020	10-01-2020	11-01-2020	12-01-2020
East to North	-47.9	-50.8	-46.2	-43.3	-40.8	-48.4	-63.5
East to West	30.8	40.8	37.8	39.2	34.8	7.6	-9.8
East to South	-96.9	-90.0	-94.2	-102.7	-70.6	-55.0	-57.3
East to North-East	-0.5	-2.8	-4.2	-5.5	-5.9	-3.2	5.7
North-East to North	0.0	0.0	0.0	0.0	0.0	0.5	10.4
West to North	-181.8	-169.3	-147.9	-151.7	-175.2	-181.9	-148.3
West to South	-73.5	-71.2	-84.5	-90.5	-87.8	-81.2	-62.8

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

साप्ताहिक रिपोर्ट (06 जनवरी 2019 से 12 जनवरी 2020 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)
06-01-2020	4.5	188	-9.5	-524	-397	-10.0	-756	-417
07-01-2020	3.8	157	-9.8	-579	-409	-10.0	-757	-416
08-01-2020	4.5	186	-9.1	-562	-381	-10.1	-766	-420
09-01-2020	4.1	170	-9.9	-475	-412	-10.1	-767	-420
10-01-2020	4.5	186	-10.1	-549	-420	-7.1	-553	-295
11-01-2020	4.3	177	-8.9	-631	-371	-8.8	-760	-367
12-01-2020	5.3	223	-10.3	-508	-431	-9.8	-763	-409
कुल Total	30.9		-67.7			-65.9		

8). Major Grid Incidences (Provisional):-

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	NER	220kV Misa -Samaguri -II 220kV Misa -Dimapur -II 220kV Misa -Byrnihat -I 220kV Misa -Mariani(AS) 500MVA, 400/220kV ICT-3 at Misa	PG	07-Jan-20	08:52	07-Jan-20	10:26	01:34	At 08:52 Hrs of 06/01/2020, while availing 315MVA ICT-2 at Misa(PGCIL) substation ,BUS-1 of 220 kV double main bus tripping with all outgoing feeders and 500 MVA ICT-3 at Misa SS as shown below. All feeders tripped from Misa end only. Complete details related the incident are awaited from PGCIL end.Due to this incident no load or generation loss was observed in NER system.	Nil	Nil	GI-1
2	NER	132 kV Ningthoukhong-Churachandpur I 132 kV Ningthoukhong-Churachandpur II 132 kV Churachandpur - Elangkangpokpi	DoP Manipur	8-Jan-20	12:11	8-Jan-20	12:23	00:12	At 12:11 hrs , 132 kV Ningthoukhong-Churachandpur I & II, 132 kV Churachandpur-Elangkangpokpi got tripped. As the 132 kV Churachandpur,132 kV Elangkangpokpi & 132 kV Kakching Substations of Manipur were radially connected from 132 kV Ningthoukhong, the above mentioned trippings caused blackout of all those substations. The International connectivity of Myanmar via 11 kV Moreh- Tamu (load less than 1 MW) was also interrupted due to blackout 132 kV kakching SubstationDue to this incident , Churachandpur, Elangkangpokpi and Kakching area of Manipur state was affected. International Connectivity of 11kV Moreh-Tamu (Myanmar) was also affected. Net Load loss of around 35 MW occurred in Manipur & Tamu area of Myanmar. There was no generation loss.	Nil	35	GD-1
3	SR	220kV Ariakode-Kahirode 220kV Orkkatery - Kanhirode	Kerala	8-Jan-20	14:22	8-Jan-20	14:32	00:10	At 14:22 Hrs 220kV Kahirode-Ambalathara feeder tripped on conductor snapping(9kms from Kanhirode S/s). Bus bar protection operated at Kanhirode S/s.	Nil	137	GD-1
4	NR	400kV Banda Orai ckt 2 400kV Banda Rewa road ckt 1 400kV Bus 1 at Banda 400kV Bus reactor at Banda 400kV Rewa Road –Masali 400kV Rewa Road-Panki 400kV Rewa Road-Obra 400kV Bus 2 at Rewa road 400kV ICT 1&2 Rewa road	UPPCL	9-Jan-20	02:38	9-Jan-20	04:34	01:56	At 02.38Hrs, UP reported,400kV Banda-Orai ckt 2 tie CB CT bust at Banda end causing tripping of 400kV Bus 1 and 400kV Banda-Rewa road ckt 1 on Bus bar protection. Whereas at Rewa road, all the 400kV elements along with ICTs are connected on Bus 1 only, due to blast of CT at Banda, Bus 1 along with ICTs tripped on Bus bar protection at Rewa road	Nil	Nil	GI-II
5	ER	5*315 MVA 400/220 KV ICTs at Rangpo 220 KV Rangpo-New Mellii 220 KV Rangpo-Tashiding 3*100 MVA 220/132 KV ICTs at Rangpo	PG/Sikkim	11-Jan-20	11:45	11-Jan-20	12:19	00:34	At 11:45 Hrs, 220 KV Bus I at Rangpo became dead due to operation of bus bar protection.220 KV Bus II was under shutdown.mentioned elements connected to 220 KV Bus tripped.132 KV Bus I at Rangpo became dead. Power supply to Gangtok interrupted as it was being fed through 132 KV Rangpo-Gangtok D/c.132 KV Chuzachen S/s also became dead (connected through 132 KV Rangpo-Chuzachen D/c)	Nil	79	GD-1