



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: 24th Jan 2020

To,

- कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यपालक निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 13th Jan-2020 to 19th Jan-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 13 जनवरी -2020 से 19 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 13th Jan-2020 to 19th Jan-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr. DGM (SO-1)

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

साप्ताहिक रिपोर्ट (13 जनवरी 2019 से 19 जनवरी 2020 तक)

रिपोर्टिंग तिथि:- 24-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)
13-01-2020	45698	287	47390		39455		18018		2427	32	152988	319
14-01-2020	46271	545	43177		37949		18549		2361	39	148307	584
15-01-2020	46632	571	43835		33512		17939		2275	18	144193	589
16-01-2020	46860	620	46603		35476		18344		2384	11	149667	631
17-01-2020	47543	631	46662		38222		18203		2396	29	153026	660
18-01-2020	46170	605	47056		37363		17517		2412	27	150518	632
19-01-2020	43761	541	45143		35787		17544		2350	52	144585	593

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)
13-01-2020	920	119	1133	54	975	81	351	36	41	7	3421	297
14-01-2020	930	134	1078	58	973	75	355	31	41	7	3376	305
15-01-2020	950	126	1069	42	893	62	351	32	39	7	3301	269
16-01-2020	911	124	1083	40	884	74	347	30	40	7	3265	276
17-01-2020	927	126	1099	39	934	86	348	32	40	7	3349	290
18-01-2020	945	132	1097	39	948	76	346	33	41	7	3377	287
19-01-2020	911	128	1088	42	892	64	340	27	41	7	3270	269

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
13-01-2020	5.51	5.81	75.21	18.98	50.00	0.037
14-01-2020	6.04	6.48	77.19	16.33	50.00	0.033
15-01-2020	2.04	2.04	76.16	21.81	50.02	0.028
16-01-2020	8.09	8.36	72.06	19.58	50.00	0.042
17-01-2020	9.14	10.31	76.48	13.21	50.00	0.043
18-01-2020	2.67	2.67	77.86	19.47	50.01	0.029
19-01-2020	4.22	4.22	74.44	21.33	50.01	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	13-01-2020		14-01-2020		15-01-2020		16-01-2020		17-01-2020		18-01-2020		19-01-2020	
	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	5256	0	5682	0	5815	0	5829	0	5868	0	5660	0	5647	0
	Haryana	6348	0	6475	0	6653	0	6500	0	6575	0	6411	125	5828	0
	Rajasthan	12415	0	12679	0	13389	0	12650	0	12857	0	12764	0	13193	0
	Delhi	4392	0	4417	0	4500	0	4361	0	4590	0	4256	0	4566	0
	UP	16534	0	16122	0	14865	0	14548	85	15494	85	15744	0	15218	0
	Uttarakhand	2132	0	2040	0	2183	0	2145	0	1998	0	2082	0	2053	0
	HP	1695	0	1598	0	1683	0	1699	0	1682	10	1694	20	1656	0
	J&K	2031	358	2317	579	2284	571	2479	620	2614	653	2317	579	2299	575
	Chandigarh	270	0	281	0	280	0	276	0	288	0	258	0	242	0
	Chhattisgarh	3620	0	3677	0	3698	0	3656	0	3689	0	3624	0	3576	0
WR	Gujarat	15622	0	13046	0	13276	0	14908	0	15466	0	15611	0	15239	0
	MP	13916	0	13952	0	13833	0	11700	0	12464	0	12701	0	12603	0
	Maharashtra	22084	0	22277	0	22351	0	21823	0	21302	0	21477	0	21473	0
	Goa	613	0	494	0	482	0	484	0	480	0	488	0	442	0
	DD	328	0	297	0	314	0	326	0	329	0	321	0	297	0
	DNH	805	0	778	0	768	0	783	0	772	0	778	0	765	0
	Essar steel	283	0	295	0	269	0	283	0	309	0	290	0	300	0
	Andhra Pradesh	8832	0	8700	0	8230	0	8085	0	8597	0	8441	0	8814	0
SR	Telangana	10664	0	10830	0	10281	0	10367	0	10677	0	10839	0	10667	0
	Karnataka	12343	0	12576	0	12700	0	12678	0	13169	0	12309	0	12252	0
	Kerala	3562	0	3610	0	3518	0	3577	0	3608	0	3569	0	3410	0
	Tamil Nadu	14329	0	13207	0	11861	0	10650	0	11660	0	12272	0	12149	0
	Pondy	356	0	341	0	291	0	260	0	271	0	325	0	289	0
	Bihar	4597	0	4613	0	4470	0	4515	0	4164	0	4334	0	4403	0
ER	DVC	3120	0	3078	0	3188	0	3123	0	3328	0	3092	0	3098	0
	Jharkhand	1209	0	1325	0	1372	0	1308	0	1294	0	1298	0	1267	0
	Odisha	3736	0	3784	0	3836	0	3619	0	3940	0	3682	0	3667	0
	West Bengal	6167	0	6236	0	6286	0	6429	0	6276	0	6385	0	5706	0
	Sikkim	136	0	125	0	128	0	130	0	134	0	140	0	117	0
NER	Arunachal Pradesh	120	2	122	1	113	1	121	1	124	1	122	2	118	1
	Assam	1352	12	1275	20	1212	10	1295	5	1326	10	1364	10	1245	22
	Manipur	213	3	218	1	218	2	217	1	210	3	216	4	213	2
	Meghalaya	394	0	376	0	363	0	372	0	372	0	394	0	362	0
	Mizoram	102	2	106	1	101	1	104	2	103	1	104	1	102	1
	Nagaland	127	2	129	1	126	1	132	1	126	3	125	3	118	1
	Tripura	229	0	226	1	211	1	219	1	224	0	220	2	278	0

6. Energy Consumption in States (MUs)

Region	States	13-01-2020	14-01-2020	15-01-2020	16-01-2020	17-01-2020	18-01-2020	19-01-2020
NR	Punjab	96.1	105.4	111.4	112.0	111.6	110.4	104.6
	Haryana	120.7	123.2	127.7	125.3	125.3	126.1	115.6
	Rajasthan	226.5	226.8	233.3	225.9	228.1	230.2	228.2
	Delhi	74.9	74.9	75.4	76.4	77.3	73.3	71.7
	UP	296.5	289.5	284.0	253.9	260.9	279.8	271.3
	Uttarakhand	39.3	38.9	39.1	39.8	39.1	39.6	36.7
	HP	28.4	28.7	30.7	31.1	31.1	31.3	28.7
	J&K	33.6	38.1	43.8	42.2	49.6	49.9	50.0
	Chandigarh	4.6	4.7	4.6	4.7	4.6	4.3	3.9
WR	Chhattisgarh	77.0	78.4	77.8	78.8	79.3	72.5	78.7
	Gujarat	324.1	257.6	273.3	309.7	322.9	322.1	313.5
	MP	245.5	247.7	236.9	214.5	225.0	230.2	229.3
	Maharashtra	445.4	452.7	441.2	438.8	431.4	431.8	426.8
	Goa	9.4	10.5	10.1	10.0	9.5	9.3	8.7
	DD	7.2	6.5	6.8	7.2	7.3	7.2	6.6
	DNH	18.9	18.1	17.9	18.2	18.0	18.1	18.1
	Essar steel	5.6	6.0	5.0	5.6	5.8	6.1	6.0
SR	Andhra Pradesh	170.4	166.7	156.0	153.7	167.5	169.5	170.2
	Telangana	211.0	211.4	201.5	200.8	209.8	209.8	208.6
	Karnataka	222.7	230.7	220.5	227.3	233.0	228.3	192.3
	Kerala	69.3	70.4	70.2	70.1	71.4	72.3	67.8
	Tamil Nadu	294.7	287.0	238.5	227.2	246.6	262.1	246.7
	Pondy	7.1	7.1	5.7	5.2	5.4	6.1	6.0
ER	Bihar	83.8	82.5	80.7	77.1	74.2	73.0	75.0
	DVC	63.9	63.6	64.5	63.2	63.4	63.5	63.2
	Jharkhand	24.6	24.8	24.9	25.4	25.2	24.3	24.0
	Odisha	66.2	68.2	67.8	65.6	67.9	68.4	68.4
	West Bengal	110.9	113.8	111.2	113.8	115.0	116.0	107.4
	Sikkim	2.1	1.9	1.9	1.9	2.0	1.2	1.6
NER	Arunachal Pradesh	2.2	2.3	2.2	2.3	2.2	2.2	2.2
	Assam	23.1	22.3	20.5	20.9	22.0	22.6	22.7
	Manipur	2.7	2.6	2.7	3.2	2.8	2.6	2.6
	Meghalaya	5.9	6.0	5.9	6.1	6.0	6.1	6.1
	Mizoram	1.6	1.6	1.3	1.6	1.6	1.6	1.6
	Nagaland	2.2	2.1	2.1	2.2	2.3	2.3	2.2
	Tripura	3.5	3.7	3.8	3.7	3.6	3.5	3.4
ALL INDIA TOTAL		3421.3	3376.2	3301.1	3265.2	3348.5	3377.5	3270.5

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

साप्ताहिक रिपोर्ट (13 जनवरी 2019 से 19 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	13-01-2020	14-01-2020	15-01-2020	16-01-2020	17-01-2020	18-01-2020	19-01-2020
East to North	-58.7	-56.3	-57.5	-52.9	-67.6	-71.7	-70.5
East to West	8.2	31.5	30.0	28.3	16.2	10.9	32.4
East to South	-83.2	-98.7	-92.3	-88.5	-96.8	-101.8	-104.9
East to North-East	6.6	6.2	6.9	8.0	7.7	6.5	7.0
North-East to North	11.7	11.2	11.3	11.8	11.6	11.7	11.7
West to North	-143.5	-142.2	-158.6	-155.6	-155.9	-169.0	-153.8
West to South	-66.4	-69.4	-44.7	-62.2	-76.5	-76.8	-78.8

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

साप्ताहिक रिपोर्ट (13 जनवरी 2019 से 19 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)
13-01-2020	4.2	175	-10.6	-551	-442	-10.2	-773	-426
14-01-2020	4.5	189	-10.2	-571	-425	-12.8	-671	-534
15-01-2020	4.0	168	-8.6	-465	-356	-9.9	-754	-411
16-01-2020	4.1	171	-8.3	-506	-347	-7.8	-757	-325
17-01-2020	3.9	163	-6.7	-451	-279	-7.2	-561	-300
18-01-2020	4.0	165	-6.4	-255	-265	-8.7	-765	-362
19-01-2020	4.6	190	-8.3	-516	-346	-10.2	-771	-423
कुल Total	29.3		-59.0			-66.7		

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	ER	220 KV Gaya-Sonenagar D/c	PG	13-Jan-20	00:40	13-Jan-20	01:00	00:20	At 00:40 Hrs, 220 KV Gaya-Sonenagar D/c tripped due to Bph to earth Fault, leading to load loss of 130 MW in Aurangabad, Sonenagar, Rafiganj, Japla. Traction load loss of around 20 MW in Japla and Garwah.	Nil	150	GD-1
2	NER	132 kV Ningthoukhong-Loktak 132 kV Ningthoukhong-Churachandpur I 132 kV Ningthoukhong-Churachandpur II 132 kV Churachandpur - Elangkangpokpi	DoP Manipur	13-Jan-20	17:30	13-Jan-20	17:41	00:11	At 17:28 hrs , 132 kV Ningthoukhong-Loktak and subsequently 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. Due to this incident ,Ningthoukhong, Churachandpur, Elangkangpokpi and Kakching area of Manipur state was affected and load loss of around 60 MW. There was no generation loss	Nil	60	GD-1
3	ER	400 KV DSTPS-Jamshedpur D/C 400 KV DSTPS-RTPS D/C	DVC	14-Jan-20	13:16	14-Jan-20	13:39	00:23	At 13:16 Hrs, 400 KV Bus-I of DSTPS (ANDAL) DVC tripped leading to tripping of 2 running units 1&2 (500MW each) and 400 KV DSTPS-RTPS D/C & 400 KV DSTPS-Jamshedpur D/C	700	Nil	GI-II
4	NER	132 kV Balipara - Tenga 132kV Tenga-Khupi	DoP AP	15-Jan-20	21:48	15-Jan-20	21:53	00:05	At 21:48 Hrs of 15/01/2020, 132 kV Balipara - Tenga T/L (Balipara: R-Y ph, Z-II, 51 km; Tenga: No tripping) and 132kV Tenga-Khupi (Tenga: Master Trip, R-Y ph, 26 km ; Khupi: No tripping) tripped resulting in blackout of 132 kV Khupi S/S.Due to this incident Khupi area of Arunachal Pradesh state was affected. Load loss of around 22 MW and generation loss of 6 MW of Dikshi HEP was observed	6	22	GD-1
5	SR	220kV Kolar(PG)-Kolar(KA)-1 220kV Kolar(PG)-Kolar(KA)-2	PG	16-Jan-20	09:58	16-Jan-20	10:18	00:20	At 09:58 Hrs, Jumper of 220kV Kolar(PG)Kolar(KA) line-1 snapped and resulted in complete outage of 220kV Kolar(KA), 220kV Malur(KA) and 220kV Sarjapur(KA) Substations of KPTCL.	0	400	GD-1
6	NER	132 kV Khleihriat- Khleihriat I 132 kV Khleihriat- Khleihriat II 132 kV Khleihriat- Lumshnong 132 kV Panchgram- Lumshnong 132 kV Khleihriat- Mustem 132 kV Khleihriat- Neigrhims 132 kV Nehu - Neigrhims 132 kV Nehu - Mustem 132 kV Khleihriat-Leshka D/C	DoP Meghalaya	16-Jan-20	09:11	16-Jan-20	09:24	00:13	At 09:05 hrs 132 kV Khleihriat-Leshka D/C got tripped (details awaited) and while charging 132 kV KhleihriatLeshka D/C at 09:11 hrs , 132 kV Khleihriat- Khleihriat I & II, 132 kV Khleihriat- Lumshnong, 132 kV Panchgram- Lumshnong, 132 kV Khleihriat- Mustem,132 kV Khleihriat- Neigrhims,132 kV Nehu - Neigrhims, 132 kV Nehu - Mustem got tripped due to E/F resulting in blackout of 132kV Khleihriat , 132 kV Mustem, 132 kV Lumshnong and 132 kV Neigrhims substation.Due to this incident , Khleihriat, Lumshnong, Neigrhims and Mustem area of Meghalaya state was affected. Net Load loss of around 75 MW occurred in Meghalaya. There was no generation loss.	0	75	GD-1
7	NER	132 kV Ningthoukhong-Churachandpur I 132 kV Ningthoukhong-Churachandpur II 132 kV Churachandpur - Elangkangpokpi	DoP Manipur	16-Jan-20	08:22	16-Jan-20	08:25	00:03	At 08:22 hrs , 132 kV Ningthoukhong-Churachandpur I & II, 132 kV Churachandpur-Elangkangpokpi got tripped. As the 132 kV Churachandpur,132 kV Elangkangpokpi of Manipur were radially connected from 132 kV Ningthoukhong, the above mentioned trippings caused blackout of all those substations. The following relay indications.Due to this incident , Churachandpur and Elangkangpokpi area of Manipur state was affected. Net Load loss of around 42 MW occurred in Manipur. There was no generation loss.	Nil	42	GD-1
8	WR	400kV Bus-1 at Chandrapur 400kV Bus-2 at Chandrapur 400kV Chandrapur-Bhadravati -1 400kV Chandrapur-Bhadravati -2 400kV Chandrapur-Bhadravati -3 400kV Chandrapur-Bhadravati -4 400kV Chandrapur-Parli (Girwali) 400kV Chandrapur-Chandrapur -1 400kV Chandrapur-Chandrapur -2 400kV Chandrapur-Khaparkheda -2 HVDC 500KV Chandrapur-Padghe Pole-1 HVDC 500KV Chandrapur-Padghe Pole-2 400/220KV ICT-1 at Chandrapur 400/220KV ICT-2 at Chandrapur Chandrapur Unit 3 (210MW) Chandrapur Unit 4 (210MW) Chandrapur Unit 5 (500MW) Chandrapur Unit 6 (500MW)	MSETCL	18-Jan-20	12:36	18-Jan-20	13:40	01:04	400kV Bus-1 and Bus-2 and all connected elements at Chandrapur due to Bus-bar protection operation.	1240	Nil	GD-1
9	WR	400kV Bus-2 at Chakan 400 KV Chakan-Pune (Telegaon) line 400/220 KV ICT-2 at Chakan	MSETCL	19-Jan-20	15:21	19-Jan-20	16:58	01:37	As intimated by SLDC Maharashtra at 15:21 hrs/19.01.2020 400 KV Bus-2 at Chakan tripped during bus isolator trial in 400 KV spare line-III; resulting in tripping of 400/220 KV ICT-2 at Chakan and 400 KV Chakan-Pune (Telegaon) line.	Nil	Nil	GI-II