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: 06th Feb 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., डोंगतिएह, 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 27th Jan-2020 to 02nd Feb-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 27 जनवरी-2020 से 02 फरवरी-2020, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक पर उप्लब्ध 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 27th Jan-2020 to 02nd Feb-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 (27 जनवरी 2019 से 02 फरवरी 2020 तक) **रिपोर्टिंग तिथि:-** **6-Feb-20**

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

क्षेत्र	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
दिनांक	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
27-01-2020	46236	692	49012		41258		18929		2457	51	157892	743
28-01-2020	46223	601	48775		41720	75	18992		2495	24	158205	700
29-01-2020	45376	560	48321		41823		18525		2473	31	156518	591
30-01-2020	46527	592	48581		42411		18472		2403	47	158394	639
31-01-2020	47320	614	47529		42519		17873		2423	28	157664	642
01-02-2020	46495	651	47849		41290		17755		2445	26	155834	677
02-02-2020	44228	625	46417		38725		17062		2320	34	148752	659

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)
27-01-2020	943	124	1164	45	1002	85	357	36	42	5	3507	295
28-01-2020	926	125	1185	40	1028	94	366	35	43	5	3548	298
29-01-2020	932	131	1175	49	1032	89	353	34	43	5	3534	307
30-01-2020	938	132	1165	43	1040	98	367	34	43	5	3553	312
31-01-2020	963	129	1164	45	1052	93	361	33	41	5	3580	305
01-02-2020	950	126	1154	40	1021	78	356	30	42	5	3524	279
02-02-2020	926	123	1138	40	962	69	356	24	41	5	3421	260

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड
27-01-2020	7.23	7.64	73.50	18.87	50.00	0.040
28-01-2020	7.71	7.77	76.68	15.56	49.99	0.036
29-01-2020	5.32	5.32	77.09	17.58	50.00	0.032
30-01-2020	5.46	5.57	81.79	12.64	49.99	0.031
31-01-2020	4.41	4.41	79.43	16.16	50.00	0.031
01-02-2020	3.41	3.41	75.29	21.30	50.01	0.033
02-02-2020	5.07	5.07	69.40	25.53	50.01	0.045

***NEW & SR grid running in synchronisation.**

4. NEW ELEMENTS COMMISSIONED

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

Region	Date	27-01-2020		28-01-2020		29-01-2020		30-01-2020		31-01-2020		01-02-2020		02-02-2020	
	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	5663	0	5436	0	5565	0	5595	0	5790	0	5804	0	5366	0
	Haryana	6472	0	6210	0	6224	0	6357	0	6402	0	6291	0	5921	0
	Rajasthan	13578	0	13781	0	13619	0	13733	0	13835	0	13796	0	13526	0
	Delhi	4191	0	4225	0	4323	0	4079	0	4401	0	4006	0	4188	0
	UP	15962	0	15073	0	14969	0	15497	0	15359	0	15176	545	15680	0
	Uttarakhand	2024	0	1942	0	2002	0	2208	0	2169	0	2100	0	2021	0
	HP	1549	0	1549	0	1578	0	1714	0	1786	0	1742	0	1618	0
	J&K	2641	660	2483	621	2335	584	2404	601	2456	614	2603	651	2634	658
	Chandigarh	243	0	262	0	267	0	264	0	270	0	245	0	230	0
WR	Chhattisgarh	3819	0	3789	0	3727	25	3826	0	3802	0	3792	0	3741	0
	Gujarat	15925	0	16189	0	15406	0	15590	0	15798	0	15562	0	15306	0
	MP	14522	0	14712	0	14541	0	14118	0	14424	0	14444	0	14497	0
	Maharashtra	22876	0	22975	0	22785	0	22417	0	22324	0	21830	0	21823	0
	Goa	480	0	487	0	510	0	485	0	470	0	534	0	425	0
	DD	319	0	333	0	330	0	323	0	325	0	309	0	283	0
	DNH	797	0	815	0	804	0	806	0	783	0	766	0	755	0
	Essar steel	732	0	725	0	711	0	688	0	683	0	667	0	752	0
SR	Andhra Pradesh	9068	0	9371	0	9245	0	9605	0	9480	0	9299	0	9112	0
	Telangana	10872	0	11200	0	11359	0	11300	0	11226	0	10994	0	10414	0
	Karnataka	12138	0	12378	0	12394	0	12745	0	12685	0	12311	0	11693	0
	Kerala	3706	0	3680	-75	3755	0	3716	0	3669	0	3585	0	3345	0
	Tamil Nadu	14356	0	14719	0	14370	0	14537	0	14558	0	14246	0	12903	0
	Pondy	357	0	365	0	375	0	358	0	365	0	365	0	321	0
ER	Bihar	4563	0	4456	0	4381	0	4367	0	4280	0	4212	0	4285	0
	DVC	3257	0	3322	0	3265	0	3293	0	3137	0	2924	0	2958	0
	Jharkhand	1266	0	1325	0	1227	0	1299	0	1249	0	1233	0	1255	0
	Odisha	3803	0	3830	0	4022	0	3803	0	3694	0	3810	0	3768	0
	West Bengal	6531	0	6549	0	6270	0	6430	0	6370	0	6224	0	5717	0
	Sikkim	140	0	146	0	142	0	126	0	129	0	136	0	123	0
NER	Arunachal Pradesh	130	1	137	1	119	2	119	1	126	2	125	1	124	2
	Assam	1362	25	1373	10	1370	12	1351	23	1347	20	1345	16	1328	12
	Manipur	205	2	217	1	212	1	181	2	217	1	215	1	204	3
	Meghalaya	364	0	377	0	374	0	373	1	369	0	372	0	356	0
	Mizoram	114	1	126	1	104	2	110	0	106	1	109	1	102	1
	Nagaland	132	3	116	2	124	1	115	2	125	2	129	2	121	2
	Tripura	220	0	224	0	223	3	234	8	222	1	244	1	228	0

6. Energy Consumption in States (MUs)

Region	States	27-01-2020	28-01-2020	29-01-2020	30-01-2020	31-01-2020	01-02-2020	02-02-2020
NR	Punjab	107.5	102.9	104.2	106.9	111.2	111.6	106.1
	Haryana	123.5	116.3	123.1	124.0	125.6	124.7	116.3
	Rajasthan	238.4	240.6	240.9	240.9	243.6	243.7	242.5
	Delhi	69.0	72.1	71.8	71.1	73.0	68.0	67.3
	UP	281.2	270.4	271.8	271.2	282.1	276.9	276.8
	Uttarakhand	38.9	38.7	38.5	39.3	39.6	39.2	36.3
	HP	28.4	28.6	29.2	30.8	31.8	30.8	27.7
	J&K	51.2	52.2	48.4	49.9	51.3	51.1	49.5
	Chandigarh	4.6	4.4	4.3	4.1	4.4	4.0	3.7
WR	Chhattisgarh	82.3	80.8	80.8	83.2	81.9	80.8	81.6
	Gujarat	332.4	338.0	330.5	327.8	330.4	324.0	316.4
	MP	255.7	258.5	259.6	258.0	262.8	264.8	265.1
	Maharashtra	454.7	467.0	461.9	454.7	448.3	443.4	435.6
	Goa	9.8	10.2	10.2	10.0	9.2	10.6	9.1
	DD	6.2	7.4	7.4	7.3	7.3	7.0	6.5
	DNH	17.2	18.9	18.8	18.7	18.4	17.8	17.8
	Essar steel	5.3	4.6	5.7	5.5	5.4	5.8	5.5
SR	Andhra Pradesh	182.9	187.8	191.0	191.8	190.0	188.6	182.7
	Telangana	215.0	218.5	219.7	219.4	224.4	210.8	204.6
	Karnataka	228.3	233.3	235.8	239.4	240.7	233.8	217.7
	Kerala	72.1	74.2	75.0	74.1	75.0	73.7	67.0
	Tamil Nadu	296.7	307.0	302.4	308.0	314.3	306.3	282.7
	Pondy	7.0	7.4	7.9	7.4	7.4	7.6	6.7
ER	Bihar	79.9	80.6	76.8	80.6	78.9	76.8	78.0
	DVC	64.8	66.3	64.1	66.3	65.5	63.3	64.5
	Jharkhand	26.3	26.3	24.2	26.1	25.6	24.1	24.7
	Odisha	70.1	71.0	71.5	71.2	70.1	70.1	75.1
	West Bengal	113.9	119.5	114.1	120.5	118.9	119.8	111.4
	Sikkim	2.1	2.2	2.2	2.0	2.0	2.1	1.9
NER	Arunachal Pradesh	2.2	2.2	2.1	2.1	2.5	2.2	2.2
	Assam	22.7	23.4	23.2	24.1	22.0	23.0	21.6
	Manipur	2.9	2.9	2.6	2.6	2.6	2.6	2.6
	Meghalaya	6.7	6.6	6.6	6.5	6.4	6.6	6.7
	Mizoram	1.5	1.7	1.7	1.6	1.8	1.7	1.7
	Nagaland	2.3	2.4	2.2	2.1	2.1	2.1	2.2
	Tripura	3.4	3.6	4.2	3.9	3.9	4.0	3.6
ALL INDIA TOTAL		**3507.2**	**3548.5**	**3534.4**	**3553.0**	**3580.4**	**3523.5**	**3421.5**

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

साप्ताहिक रिपोर्ट (27 जनवरी 2019 से 02 फरवरी 2020 तक)

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतक्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-)]

दिनांक	27-01-2020	28-01-2020	29-01-2020	30-01-2020	31-01-2020	01-02-2020	02-02-2020
East to North	-73.6	-65.6	-67.0	-66.5	-65.2	-59.8	-43.0
East to West	22.5	29.2	14.6	21.2	20.9	31.4	26.2
East to South	-103.2	-108.2	-107.1	-108.0	-106.0	-104.8	-99.0
East to North-East	1.3	1.6	2.2	3.3	4.7	1.2	5.5
North-East to North	10.8	10.3	10.8	12.3	12.2	9.2	11.6
West to North	-147.4	-144.5	-149.5	-150.2	-165.9	-188.2	-179.4
West to South	-69.3	-76.3	-85.8	-84.2	-83.4	-75.9	-67.2

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

साप्ताहिक रिपोर्ट (27 जनवरी 2019 से 02 फरवरी 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)
27-01-2020	4.2	173	-10.9	-575	-454	-10.4	-852	-433
28-01-2020	3.6	150	-11.5	-560	-479	-10.3	-851	-431
29-01-2020	4.1	170	-10.3	-548	-428	-10.4	-858	-432
30-01-2020	2.8	115	-10.0	-554	-417	-10.4	-854	-432
31-01-2020	2.7	111	-10.6	-544	-443	-7.5	-546	-313
01-02-2020	3.1	129	-7.6	-441	-318	-9.7	-752	-404
02-02-2020	2.5	105	-10.1	-551	-420	-11.6	-859	-482
कुल Total	**22.9**		**-71.0**			**-70.2**		

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	Time				
1	NR	1) 400/220 kV 315 MVA ICT 2 at Malerkotla(PG) 2) 400/220 kV 500 MVA ICT 3 at Malerkotla(PG)	POWERGRID	27-Jan-20	14:44	27-Jan-20	18:11	03:27	220 KV BUS BAR protection operated at Malerkotla PSTCL Sub station resulting in tripping of 400/220 kV 315 MVA ICT 2 & 500MVA ICT 3 at Malerkotla(PG). As per PMU, R-N fault is observed in the system. In antecedent conditions, 400/220 kV 315 MVA ICT 2 & 500MVA ICT 3 at Malerkotla(PG) carrying 80MW & 123MW respectively.	0	300	**GD-1**
2	NR	1) 400/220 kV 315 MVA ICT 2 at Malerkotla(PG) 2) 400/220 kV 500 MVA ICT 3 at Malerkotla(PG) 3)400/220 kV 315 MVA ICT 1 at Malerkotla(PG) 4) 400 KV Ludhiana-Malerkotla (PG) Ckt-1 5) 400 KV Malerkotla-Patiala (PG) Ckt-1	POWERGRID	28-Jan-20	19:27	28-Jan-20	21:17	01:50	At 220kV Substation Malerkotla all 220kV elements tripped from Remote end due to damage of 220kV Dhuri 2 upper Bus Bar insulator string of R phase at 1927Hrs during heavy rain and lightning. As per PMU, R-N fault with delayed clearance of around 2320ms is observed in the system. In antecedent conditions, 315 MVA ICT 1, 315 MVA ICT 2 & 500 MVA ICT 3 at 400/220kV Malerkotla(PG) carrying 75MW, 70MW & 114MW respectively.	0	250	**GD-1**
3	NR	1) 400/220 kV 315 MVA ICT 1 at Chittorgarh(RS) 2) 400/220 kV 315 MVA ICT 2 at Chittorgarh(RS)	RRVPNL	29-Jan-20	09:01	29-Jan-20	10:17	01:16	315 MVA ICT 1 & 315 MVA ICT 2 at 400/220kV Chittorgarh(RS) tripped on overloading. As per PMU, no fault is observed in the system. In antecedent conditions, 315 MVA ICT 1 & 315 MVA ICT 2 at 400/220kV Chittorgarh(RS) carrying 305MW & 300MW respectively.	0	400	**GD-1**
4	NR	1) 400 KV Bareilly-Unnao (UP) Ckt-2 2) 400/220 kV 315 MVA ICT 2 at Bareilly(UP)	UPPTCL	30-Jan-20	15:14	30-Jan-20	18:15	03:01	400 KV Bareilly-Unnao (UP) Ckt-2 tripped on R-B fault. At the same time, 315 MVA ICT 2 at 400/220kV Bareilly(UP) tripped due to operation of Backup Overcurrent Protection on HV side. As per PMU, R-B fault is observed in the system. In antecedent conditions, 400 KV Bareilly-Unnao (UP) Ckt-2 & 315 MVA ICT 2 at 400/220kV Bareilly(UP) carrying 254MW & 65MW respectively.	0	0	**GI-2**
5	WR	Tripping of 1.220 kV Kolhapur(MH)- Five star 1 2.220 kV Kolhapur(MH)- Ichalkaranji 1 3.220 kV Kolhapur(MH)- Bidri 4.220 kV Kolhapur(MH)- Hamidwada 5.400/220 kV Kolhapur(MH) ICTs 1&2	MSETCL	27-Jan-20	13:45	27-Jan-20	14:10	00:25	At 400/220 kV Kolhapur(MH) s/s, Yph insulator string of 220 kV Bus1 blasted and resulted in tripping of all the elements connected to 220 kV Bus 1. As the 400/220 kV 500 MVA ICT 3 was already under outage, the downstream load of 180 MW got affected.	Nil	180	**GI-1**
6	WR	Tripping of 1. 220 kV Sayli-Khadoli	DNH	29-Jan-20	12:12	29-Jan-20	12:55	00:43	220 kV Vapi- Sayali line was under planned outage from 09:24 Hrs of 24-01-2020 for LILO works of 220kV Vapi-Sayali line at Vaghachipa SS of DNH. Due to tripping of 220 kV Sayali- Khadoli on R-Y fault,around 75 MW load loss at Sayali in DNH.	Nil	75	**GD-1**
7	SR	i. 220kV Hoody - HAL ckt-1 ii. 220kV Hoody - HAL ckt-2	KPTCL	29-Jan-20	16:35	29-Jan-20	16:49	14 mins	Complete loss of supply at 220kV EDC, 220kV Nimhans and 220kV HAL stations of KPTCL: Triggering incident was lightning arrestor flashover in 220kV Hoody - HAL Line-1. Subsequently 220kV Hoody - HAL Line-2 tripped on overloading. On tripping of both source feeders there was complete loss of supply at 220kV HAL, 220kV EDC and 220kV NIMHANS stations.	---	400 MW	GD-1