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 Mar 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 24thFeb–2020 to 01st Mar-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 24 फरवरी-2020 से 01 मार्च -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 24thFeb–2020 to 01st Mar-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 (24 फरवरी 2020 से 01 मार्च 2020 तक) **रिपोर्टिंग तिथि:-** **6-Mar-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)
24-02-2020	43810	589	49793		50436		17297		2295	23	163631	612
25-02-2020	44033	622	49238		44829		15135		2319	49	155554	671
26-02-2020	45004	610	49481		44973		15896		2184	183	157538	793
27-02-2020	43687	555	50372		45339		15995		2378	30	157771	585
28-02-2020	42979	581	50488		44622		16927		2369	25	157385	606
29-02-2020	39379	501	49770		43905		17579		2389	28	153022	529
01-03-2020	38424	502	45963		40122		17017		2278	47	143804	549

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)
24-02-2020	923	130	1227	47	1090	111	339	30	39	4	3617	322
25-02-2020	922	133	1214	43	1114	114	332	24	41	5	3622	318
26-02-2020	933	138	1209	42	1117	102	336	28	37	5	3632	315
27-02-2020	921	135	1209	48	1117	109	344	28	39	7	3630	327
28-02-2020	938	139	1231	50	1125	107	348	29	40	6	3683	332
29-02-2020	858	138	1224	45	1118	109	347	29	41	5	3587	326
01-03-2020	802	136	1152	26	1048	74	337	29	38	5	3378	269

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
24-02-2020	8.89	9.83	73.96	16.22	50.01	0.047
25-02-2020	9.12	10.02	72.75	17.22	49.99	0.049
26-02-2020	6.92	7.81	71.35	20.83	50.00	0.043
27-02-2020	4.17	4.51	77.33	18.16	50.01	0.032
28-02-2020	5.05	5.38	76.83	17.79	49.99	0.034
29-02-2020	5.16	5.74	76.81	17.45	50.00	0.036
01-03-2020	3.15	3.15	72.29	24.56	50.00	0.036

***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	24-02-2020		25-02-2020		26-02-2020		27-02-2020		28-02-2020		29-02-2020		01-03-2020	
	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	5893	0	6184	0	6256	0	6083	0	5609	0	4846	0	4915	0
	Haryana	6064	0	6210	0	6162	0	6063	0	6063	0	5680	0	5020	0
	Rajasthan	13765	0	13916	0	13965	0	13915	0	13961	0	13486	0	12528	0
	Delhi	3587	0	3486	0	3563	0	3461	0	3599	0	3322	0	3326	0
	UP	13462	0	13392	0	13815	0	13967	0	13625	0	12989	0	13061	0
	Uttarakhand	1904	0	1919	0	1884	0	1901	0	1936	0	1865	0	1722	0
	HP	1607	0	1662	0	1650	0	1631	0	1668	0	1555	0	1502	0
	J&K	2400	600	2488	622	2441	610	2222	555	2324	581	2188	547	2342	586
	Chandigarh	220	0	215	0	219	0	219	0	211	0	218	0	204	0
WR	Chhattisgarh	3583	0	3387	0	3501	0	3679	0	3781	0	3765	0	3793	0
	Gujarat	16529	0	16112	0	15700	0	15921	0	16452	0	16538	0	15532	0
	MP	13253	0	13247	0	13234	0	13222	0	13492	0	13371	0	11564	0
	Maharashtra	24323	0	23543	0	23599	0	23759	0	23737	0	23142	0	22012	0
	Goa	510	0	510	0	513	0	519	0	516	0	599	0	599	0
	DD	327	0	329	0	318	0	314	0	329	0	327	0	309	0
	DNH	808	0	802	0	811	0	815	0	811	0	803	0	744	0
	Essar steel	772	0	760	0	773	0	729	0	719	0	741	0	713	0
SR	Andhra Pradesh	9661	0	9941	0	9914	0	9954	0	9778	0	9818	0	9762	0
	Telangana	12769	0	13040	0	12963	0	12810	0	13168	0	13013	0	12458	0
	Karnataka	12468	0	12715	0	12596	0	12751	0	12876	0	12692	0	11770	0
	Kerala	3823	0	3885	0	3870	0	3964	0	3856	0	3753	0	3673	0
	Tamil Nadu	14824	0	14923	0	14863	0	14784	0	15128	0	14691	0	13599	0
	Pondy	361	0	390	0	390	0	377	0	371	0	371	0	328	0
ER	Bihar	3937	0	3436	0	3847	0	3912	0	3847	0	3937	0	3869	0
	DVC	3167	0	3156	0	3020	0	3007	0	3038	0	3062	0	3038	0
	Jharkhand	1243	0	1043	0	1204	0	1268	0	1300	0	1346	0	1257	0
	Odisha	3721	0	3867	0	3791	0	3559	0	3661	0	3742	0	3728	0
	West Bengal	6412	0	5935	0	6497	0	6101	0	6381	0	6373	0	6143	0
	Sikkim	119	0	117	0	113	0	115	0	122	0	157	0	160	0
NER	Arunachal Pradesh	116	1	120	1	120	1	120	2	120	1	124	3	113	1
	Assam	1399	14	1341	45	1210	100	1343	18	1347	0	1365	17	1322	30
	Manipur	189	2	197	1	196	2	201	3	196	1	187	1	185	2
	Meghalaya	326	0	347	0	343	0	341	0	333	0	347	2	315	0
	Mizoram	98	1	97	1	105	2	104	1	98	2	93	3	90	1
	Nagaland	124	0	125	1	125	1	134	2	137	1	128	1	122	1
	Tripura	231	3	245	1	235	1	221	0	219	1	226	5	222	0

6. Energy Consumption in States (MUs)

Region	States	24-02-2020	25-02-2020	26-02-2020	27-02-2020	28-02-2020	29-02-2020	01-03-2020
NR	Punjab	121.8	124.8	124.9	121.8	113.0	96.9	97.8
	Haryana	120.5	124.7	124.8	123.0	123.0	108.0	94.5
	Rajasthan	242.6	244.8	245.1	245.7	246.2	236.0	230.1
	Delhi	63.9	63.6	63.8	62.5	63.8	60.3	57.9
	UP	259.9	250.0	257.7	250.6	274.9	247.3	215.8
	Uttarakhand	34.9	35.3	35.6	36.0	36.0	34.9	31.3
	HP	27.5	28.9	29.2	29.1	28.8	27.9	25.0
	J&K	48.4	46.6	48.3	48.8	49.0	42.7	46.3
	Chandigarh	3.4	3.4	3.5	3.5	3.5	3.5	3.4
WR	Chhattisgarh	75.8	72.2	77.2	79.2	81.9	83.7	85.1
	Gujarat	356.3	354.7	347.2	344.5	362.0	361.6	346.4
	MP	252.2	249.8	250.4	250.6	252.9	248.3	222.4
	Maharashtra	495.9	494.2	491.4	493.4	492.9	484.8	456.8
	Goa	10.5	10.9	10.8	10.9	11.1	11.6	11.6
	DD	7.3	7.4	7.3	7.2	7.4	7.4	7.0
	DNH	18.7	18.7	18.9	19.1	18.5	19.4	17.0
	Essar steel	9.8	5.6	5.6	3.9	4.0	6.8	5.8
SR	Andhra Pradesh	195.0	197.6	201.2	199.0	200.7	200.8	194.0
	Telangana	255.1	255.2	253.3	249.7	254.0	255.9	247.7
	Karnataka	242.7	250.1	249.6	252.0	253.3	248.0	224.3
	Kerala	77.6	79.3	79.7	80.6	80.5	79.2	71.9
	Tamil Nadu	311.6	323.8	325.6	328.3	329.1	326.4	302.8
	Pondy	7.5	7.9	8.0	7.9	7.8	7.8	7.1
ER	Bihar	64.5	61.2	63.8	69.0	69.8	68.2	70.8
	DVC	64.3	63.1	62.9	64.4	63.7	63.6	62.9
	Jharkhand	22.2	21.0	22.1	22.3	23.8	24.1	23.9
	Odisha	70.3	71.7	70.0	67.5	69.5	69.2	67.4
	West Bengal	116.3	113.5	115.4	119.7	119.9	120.5	111.1
	Sikkim	1.4	1.6	1.7	1.5	1.6	1.6	1.3
NER	Arunachal Pradesh	2.3	2.0	2.2	2.1	2.1	2.1	2.1
	Assam	20.7	22.7	19.2	21.0	22.7	23.1	21.1
	Manipur	2.6	2.5	2.5	2.6	2.6	2.7	2.6
	Meghalaya	5.5	6.0	5.9	5.7	5.8	5.9	5.5
	Mizoram	1.9	1.9	1.7	1.6	1.7	1.6	1.7
	Nagaland	2.1	2.2	2.3	2.2	2.2	2.2	2.1
	Tripura	3.6	3.5	3.3	3.4	3.5	3.4	3.4
ALL INDIA TOTAL		**3616.6**	**3622.2**	**3632.0**	**3630.1**	**3682.8**	**3587.5**	**3378.0**

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

साप्ताहिक रिपोर्ट (24 फरवरी 2020 से 01 मार्च 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	24-02-2020	25-02-2020	26-02-2020	27-02-2020	28-02-2020	29-02-2020	01-03-2020
East to North	-58.2	-65.4	-71.6	-62.5	-57.4	-48.2	-28.0
East to West	47.4	43.6	44.8	43.4	46.1	39.7	39.8
East to South	-124.2	-131.0	-127.8	-126.5	-129.9	-114.2	-112.0
East to North-East	-26.2	-28.1	-20.4	-22.6	-26.5	-25.5	-20.4
North-East to North	-11.2	-12.0	-9.5	-12.3	-12.1	-12.1	-12.1
West to North	-136.3	-139.7	-129.4	-129.8	-113.3	-113.3	-104.0
West to South	-88.0	-102.9	-95.0	-99.5	-90.6	-109.2	-97.9

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

साप्ताहिक रिपोर्ट (24 फरवरी 2020 से 01 मार्च 2020 तक)

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)
24-02-2020	2.2	91	-10.3	-595	-431	-14.6	-939	-607
25-02-2020	1.8	77	-9.0	-468	-375	-14.6	-951	-608
26-02-2020	2.2	92	-8.3	-466	-346	-14.4	-955	-598
27-02-2020	2.6	107	-9.7	-538	-405	-14.9	-953	-621
28-02-2020	1.8	74	-10.2	-538	-424	-9.5	-742	-397
29-02-2020	1.6	65	-10.3	-502	-430	-15.7	-999	-655
01-03-2020	3.0	125	-9.8	-526	-406	-15.9	-1018	-662
कुल Total	**15.1**		**-67.6**			**-99.6**		

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 KV Gorakhpur(PG)-Motihari(BS) (PG) Ckt-1 2) 400 KV Gorakhpur(PG)-Motihari(BS) (PG) Ckt-2	POWERGRID	24-Feb-20	00:52	24-Feb-20	17:35	16:43	400 KV Gorakhpur(PG)-Motihari(BS) (PG) Ckt-1&2 due to Y-N fault. As per PMU, multiple Y-N faults are observed in the system. In antecedent condtions, 400 KV Gorakhpur(PG)-Motihari(BS) (PG) Ckt-1&2 carrying 175MW & 186MW respectively.	0	0	**GI-2**
2	NR	1) 400 KV Allahabad(PG)-Meja TPS(MUN) (PG) Ckt-2 2) 400 KV Meja TPS(MUN)-Masoli(UP) (UP) Ckt-1	POWERGRID, UPPTCL	24-Feb-20	16:33	24-Feb-20	18:15	01:42	400 KV Meja TPS(MUN)-Masoli(UP) (UP) Ckt-1 tripped because of DT recieved at MEJA end. 400 KV Allahabad(PG)-Meja TPS(MUN) (PG) Ckt-2 also tripped. As per PMU, No fault observed in the system. In antecedent conditions, 400 KV Meja TPS(MUN)-Masoli(UP) (UP) Ckt-1 carrying 152MW.	0	0	**GI-2**
3	NR	1) 500 kV HVDC Rihand-Dadri (PG) Ckt-1 2) 400 KV Rihand(NT)-Allahabad(PG) (PG) Ckt-2	POWERGRID	25-Feb-20	14:05	25-Feb-20	14:47	00:42	400 KV Rihand(NT)-Allahabad(PG)(PG) Ckt-2 tripped due to R-N fault. At the same time 500 kV HVDC Rihand-Dadri (PG) Ckt-1 also tripped due to operation of short circuit protection at Rihand end. As per PMU, R-N fault is observed in the system. In antecedent conditions, 400 KV Rihand(NT)-Allahabad(PG)(PG) Ckt-2 carrying 288MW.	0	0	**GI-2**
4	NR	1) 400/220 kV 315 MVA ICT 4 at Daulatabad(HV) 2) 400/220 kV 315 MVA ICT 1 at Daulatabad(HV) 3) 400/220 kV 315 MVA ICT 2 at Daulatabad(HV) 4) 400KV Bus 1 at Daulatabad(HV) 5) 400KV Bus 2 at Daulatabad(HV) 6) 400 KV Dhanoda-Daulatabad (HV) Ckt-2 7) 400 KV Gurgaon(PG)-Daulatabad(HV) (HV) Ckt-1 8) 400 KV Dhanoda-Daulatabad (HV) Ckt-1 9) 400 KV Gurgaon(PG)-Daulatabad(HV) (HV) Ckt-2	HVPNL	26-Feb-20	13:26	26-Feb-20	14:48	01:22	400 kV Daulatabad(HV) - Jhajjar (APCL) ckt 1 got tripped due to B-N fault. Consequently, 400 kV Daulatabad(HV) - Jhajjar (APCL) ckt 2 and other elements connected to 400 kV Daulatabad(HV) also got tripped. As per PMU, B-N fault with delayed clearance is observed in the system. In antecedent conditions, 315 MVA ICT 1, 315 MVA ICT 2, 315 MVA ICT 3 & 315 MVA ICT 4 at Daulatabad(HV) carrying 97MW, 88MW, 95MW & 94MW respectively.	0	400	**GD-1**
5	NR	1) 400/220 kV 315 MVA ICT 1 at Amargarh(NRSS XXIX) 2) 400/220 kV 315 MVA ICT 2 at Amargarh(NRSS XXIX)	NRSS29 & J&K	29-Feb-20	11:29	29-Feb-20	14:38	03:09	400/220 kV 315 MVA ICT 1 & 315 MVA ICT 2 at Amargarh(NRSS XXIX) tripped due to s-4 over current operated of Amargarh Ziankot line. As per PMU, R-N fault is observed in the system In antecedent conditions, 400/220 kV 315 MVA ICT 1 & 315 MVA ICT 2 at Amargarh(NRSS XXIX) carrying 177MW each.	0	280	**GD-1**
6	ER	220 kV Tashiding - New Melli S/C 220 kV Tashiding - Rangpo S/C 220 kV Rangpo - New Melli - S/C	ISTS	25-Feb-20	08:14	25-Feb-20	08:58	00:44	At 08:14 hrs 220 kV Tashiding - New Melli S/C, 220 kV Tashiding - Rangpo S/C, 220 kV Rangpo - New Melli - S/C tripped resulting total power failure at New Melli and Tashiding S/S and tripping of unit #2 at Tashiding due to loss of evacuation path. At the time of the incident, heavy thunderstorm and inclement weather were reported.	48.5	0	GD-1
7	NER	132 kV Balipara-Tenga Line	DoP, Arunachal Pradesh	24-Feb-20	13:33	24-Feb-20	13:57	00:24	Khupi area of Arunachal Pradesh Power System and Dikshi Power Station were connected with rest of NER Grid through 132 kV Balipara - Tenga line. At 13:33 Hrs on 24.02.2020, 132 kV Balipara - Tenga line tripped. Due to tripping of this element, Khupi area of Arunachal Pradesh Power System and Dikshi Power Station were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	4	24	GD 1
8	NER	132 kV Lumshnong - Panchgram line	AEGCL & MePTCL	25-Feb-20	23:56	26-Feb-20	00:17	00:21	Lumshnong area of Meghalaya Power System was connected with rest of NER Grid through 132 kV Lumshnong - Panchgram line (132 kV Lumshnong - Khleihriat line was kept open to control over loading of 132 kV Umiam 1 - Umium 3 D/C since 19.02.20). At 23:56 Hrs on 25.02.2020, 132 kV Lumshnong - Panchgram line tripped. Due to tripping of this element, Lumshnong area of Meghalaya Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	21	GD 1