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: 01st May 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 19th Apr-2020 to 25th Apr-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 19 अप्रैल-2020 से 25 अप्रैल -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 19th Apr-2020 to 25th Apr-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

CGM (SO) 1/5/2020

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (19 अप्रैल 2020 से 25 अप्रैल 2020 तक) **रिपोर्टिंग तिथि:-** **1-May-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)
19-04-2020	37662	512	36334		33493		16004		1942	177	125435	689
20-04-2020	34761	523	36892		33392		15669		1995	117	122709	640
21-04-2020	37400	484	37046		33798		12711		1625	374	122580	858
22-04-2020	38651	769	37972		33629		15593		2008	250	127853	1019
23-04-2020	37781	702	37527		33907		13279		1924	166	124418	868
24-04-2020	39989	561	37634		33085		14033		1957	63	126698	624
25-04-2020	37591	1059	37238		32788		15159		1959	62	124735	1121

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)
19-04-2020	757	187	912	38	838	66	325	70	30	6	2862	367
20-04-2020	728	175	929	37	856	66	321	71	30	8	2864	357
21-04-2020	712	166	939	43	851	71	259	56	28	6	2789	342
22-04-2020	770	167	962	60	857	78	283	55	29	7	2900	368
23-04-2020	772	171	967	71	859	65	292	56	31	6	2919	369
24-04-2020	793	180	973	62	845	57	276	56	30	7	2917	361
25-04-2020	798	188	953	56	833	61	280	58	31	10	2896	373

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
19-04-2020	3.07	3.07	73.18	23.75	50.02	0.031
20-04-2020	1.88	1.88	72.40	25.73	50.02	0.036
21-04-2020	9.00	9.81	71.59	18.60	49.99	0.051
22-04-2020	11.31	12.87	75.28	11.85	49.98	0.052
23-04-2020	3.91	4.76	72.37	22.87	50.01	0.038
24-04-2020	3.91	4.63	75.95	19.42	50.01	0.037
25-04-2020	3.18	3.58	72.33	24.10	50.01	0.034

***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	19-04-2020		20-04-2020		21-04-2020		22-04-2020		23-04-2020		24-04-2020		25-04-2020	
	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	4129	0	3897	0	4002	0	4230	0	4472	0	4747	0	4969	0
	Haryana	5268	0	4822	0	5052	0	5331	0	5147	0	5569	0	5769	0
	Rajasthan	8522	0	7054	0	8281	0	8441	0	8130	0	8507	0	8174	0
	Delhi	2969	0	2935	0	2729	0	2876	0	2853	0	3048	0	3094	0
	UP	15914	0	14244	0	15598	0	15897	0	15342	0	16889	0	15446	0
	Uttarakhand	1144	0	1098	0	1199	0	1191	0	1184	0	1233	0	1183	0
	HP	736	0	825	0	831	0	846	0	816	0	842	0	837	0
	J&K	2159	540	2093	523	1946	487	2215	554	2247	562	2243	561	2080	520
	Chandigarh	136	0	130	0	127	0	137	0	140	0	145	0	139	0
WR	Chhattisgarh	3316	0	3263	0	3207	0	3216	0	3242	0	3162	0	3085	0
	Gujarat	11856	0	12047	0	11967	0	12210	0	12575	0	12498	0	12390	0
	MP	8528	0	8672	0	8810	0	8887	0	8892	0	8756	0	8655	0
	Maharashtra	17139	0	17949	0	17686	0	18222	0	18449	0	18664	0	18205	0
	Goa	382	0	458	0	415	0	406	0	434	0	455	0	446	0
	DD	102	0	116	0	118	0	126	0	126	0	128	0	132	0
	DNH	121	0	129	0	139	0	141	0	148	0	150	0	171	0
	Essar steel	303	0	323	0	317	0	304	0	328	0	339	0	323	0
SR	Andhra Pradesh	8281	0	8455	0	8416	0	8387	0	8484	0	8410	0	8165	0
	Telangana	6473	0	6978	0	6715	0	6830	0	6802	0	7240	0	6713	0
	Karnataka	9723	0	10204	0	10370	0	10374	0	10203	0	9664	0	10050	0
	Kerala	3587	0	3730	0	3609	0	3567	0	3584	0	3511	0	3729	50
	Tamil Nadu	11150	0	10842	0	10871	0	11365	0	11219	0	11172	0	11134	0
	Pondy	280	0	286	0	290	0	290	0	287	0	291	0	285	0
ER	Bihar	4512	0	4410	0	4051	0	4312	0	4173	0	4235	0	4158	0
	DVC	1529	0	1527	0	1491	0	1460	0	1566	0	1638	0	1563	0
	Jharkhand	1326	0	1288	0	1103	0	1450	0	1122	0	1263	0	1235	0
	Odisha	3705	0	3706	0	3468	0	3369	0	2610	0	2775	0	2914	0
	West Bengal	6524	0	6263	0	4740	0	5472	0	4300	0	4843	0	5591	0
	Sikkim	75	0	91	0	102	0	106	0	109	0	110	0	108	0
NER	Arunachal Pradesh	102	3	86	2	59	3	105	2	103	0	103	1	106	1
	Assam	1160	86	1201	86	870	350	1218	196	1102	79	1144	35	1159	30
	Manipur	171	4	177	3	186	8	156	3	163	3	184	1	178	1
	Meghalaya	267	0	259	0	240	0	254	0	251	0	259	0	275	0
	Mizoram	73	1	76	1	78	5	86	2	92	0	85	2	92	1
	Nagaland	110	3	116	2	85	11	112	1	112	1	116	2	118	2
	Tripura	250	5	232	0	237	1	212	23	218	37	202	10	208	7

6. Energy Consumption in States (MUs)

Region	States	19-04-2020	20-04-2020	21-04-2020	22-04-2020	23-04-2020	24-04-2020	25-04-2020
NR	Punjab	77.9	75.3	68.5	81.2	83.7	91.0	91.6
	Haryana	86.6	86.1	84.4	89.7	92.4	94.2	96.6
	Rajasthan	171.8	154.1	163.0	171.0	167.2	170.6	168.0
	Delhi	57.8	59.9	56.8	58.6	59.9	59.5	62.2
	UP	280.3	268.3	260.2	283.0	284.4	293.6	296.3
	Uttarakhand	21.6	22.1	22.6	23.1	23.3	22.8	23.9
	HP	12.1	13.9	13.9	14.4	14.2	14.1	14.6
	J&K	46.6	45.5	40.4	45.9	43.9	44.6	42.4
	Chandigarh	2.5	2.6	2.4	2.6	2.7	2.8	2.8
WR	Chhattisgarh	76.5	77.9	70.6	75.1	75.2	74.5	72.5
	Gujarat	261.3	265.8	268.0	275.8	278.9	280.6	275.4
	MP	179.6	182.2	185.8	189.3	186.2	187.9	183.3
	Maharashtra	380.5	388.6	399.1	405.7	410.2	412.7	404.4
	Goa	7.8	8.2	8.2	8.6	8.9	9.2	9.5
	DD	2.3	2.5	2.7	2.7	2.8	2.9	2.9
	DNH	2.7	2.9	3.0	3.2	3.3	3.4	3.8
	Essar steel	0.8	0.9	1.2	1.1	1.2	1.5	1.5
SR	Andhra Pradesh	168.7	170.6	169.3	170.1	170.5	169.4	159.1
	Telangana	143.8	145.1	142.9	142.4	144.9	146.0	140.9
	Karnataka	196.4	207.4	207.2	207.9	205.5	193.5	198.2
	Kerala	69.6	71.7	71.3	70.7	70.6	69.9	70.3
	Tamil Nadu	253.7	255.6	255.0	260.5	261.7	260.8	259.0
	Pondy	5.4	5.7	5.6	5.8	5.7	5.8	5.6
ER	Bihar	80.8	70.2	64.0	72.8	75.3	71.8	73.6
	DVC	30.5	30.7	27.7	29.2	28.9	31.8	30.3
	Jharkhand	24.4	22.6	18.8	20.6	19.0	21.1	22.3
	Odisha	69.7	78.2	64.7	63.6	67.3	56.5	55.0
	West Bengal	118.8	118.4	82.4	95.1	99.8	93.3	97.8
	Sikkim	1.0	1.3	1.3	1.4	1.5	1.5	1.4
NER	Arunachal Pradesh	1.4	1.4	1.1	1.4	1.3	1.4	1.3
	Assam	15.8	15.5	14.8	14.3	16.8	16.5	17.0
	Manipur	2.5	2.3	2.1	2.3	2.1	2.2	2.1
	Meghalaya	4.0	3.7	3.8	4.0	4.1	4.1	4.3
	Mizoram	1.4	1.5	1.4	1.4	1.4	1.4	1.4
	Nagaland	2.0	2.1	1.4	2.0	1.8	1.8	1.8
	Tripura	3.3	3.4	3.5	3.3	2.9	2.9	2.9
ALL INDIA TOTAL		**2861.8**	**2864.2**	**2789.0**	**2899.6**	**2919.4**	**2917.3**	**2895.8**

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (19 अप्रैल 2020 से 25 अप्रैल 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	19-04-2020	20-04-2020	21-04-2020	22-04-2020	23-04-2020	24-04-2020	25-04-2020
East to North	-52.5	-59.4	-67.4	-63.6	-63.2	-63.0	-57.0
East to West	18.7	22.9	13.1	13.8	6.8	0.6	2.7
East to South	-113.5	-115.6	-116.7	-102.5	-103.1	-111.1	-107.6
East to North-East	20.1	21.3	20.1	16.7	14.3	17.9	20.5
North-East to North	11.6	11.6	11.5	11.6	11.8	11.6	11.5
West to North	-70.7	-56.5	-56.1	-81.0	-106.1	-116.9	-107.3
West to South	-100.3	-99.7	-91.8	-93.7	-100.2	-94.2	-90.0

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

साप्ताहिक रिपोर्ट (19 अप्रैल 2020 से 25 अप्रैल 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)
19-04-2020	15.1	629	-1.1	-262	-45	-15.7	-1095	-655
20-04-2020	14.3	597	-0.8	-140	-33	-15.8	-1072	-657
21-04-2020	9.9	410	-0.7	-176	-27	-13.6	-690	-566
22-04-2020	9.1	378	-0.3	-118	-13	-14.7	-1032	-613
23-04-2020	7.3	306	-0.5	-114	-21	-13.1	-644	-548
24-04-2020	7.8	323	-0.7	-106	-28	-10.1	-656	-421
25-04-2020	9.4	391	-0.5	-115	-21	-12.7	-948	-527
कुल Total	**72.8**		**-4.5**			**-95.7**		

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	400 kV Anpara-Obra-Sultanpur 400 kV Obra – Rewa road 315 MVA ICT- 1&2 at Obra 240 MVA ICT-3 at Obra	UPPCL	22-Apr-20	12:47	22-Apr-20	23:12	10:25	At 12:47 Hrs, multiple tripping occurred due to B-ph CT blast of Unit12 at Obra S/S. This resulted in the tripping of 400 kV Anpara-Obra-Sultanpur(bypassed at Obra through transfer bus), 400 kV Obra – Rewa road, ICTs and 4 nos. 250MW Units at Obra (UP). The tripping of 400 kV Anpara-Obra-Sultanpur is due to the damage of B-ph isolator of transfer bus. The line was bypassed at Obra (B) through transfer bus.	410	Nil	**GI-II**
2	NR	400 kV Bawana- Mandola 1 400 kV Bawana- Mandola 2 400 kV Bawana - Dipalpur 315 MVA ICT-2 at Bawana	DTL	22-Apr-20	15:24	22-Apr-20	17:19	01:55	As reported by SLDC Delhi, tripping of multiple lines and ICT-2 occurred due to Rph CVT blast at Bawana. Further, 400 kV Bawana- Mandola 1 & 2 were tripped only at Bawana end and autoreclosed at remote ends. 400 kV Bawana - Dipalpur line tripped at both ends. 400 kV Bawana Mandola – 2 was charged only through Bus-1. Bus-2 CB of this line was under breakdown since 21.04.2020. 315 MVA ICT-2, 400 kV Bawana – Mandola 1 and 400 kV Bawana – Dipalpur were charged through both the buses.	Nil	Nil	**GI-II**
3	WR	400/220kV,500MVA ICT-3 at Padghe 220 kV Padghe BUS-2 220kV Padghe-Temghar-II 220kV Padghe-Nalasopara S/c 220kV Padghe-Pal S/C 220kV Padghe-Jindal 220kV Padghe-Nasik-II 220kV Padghe-Kambha-II 220/110kV 200MVA ICT-II 220/110kV 200MVA ICT-IV 220/22kV 50MVA ICT	MSETCL	24-Apr-20	18:03	24-Apr-20	19:12	01:09	As intimated by SLDC Kalwa, the string of stub bus of ICT-3 at 220kV side at Padghe (MSETCL) S/S, broken and fallen on 220kV Bus-II resulting in B/B protection operation and tripping of all connected feeders. R-Y phase-phase fault observed in PMU at Boisar	Nil	Nil	**GI-II**
4	WR	400/220kV,315MVA ICT-2 at Jabalpur 220 kV Jablapur BUS-2 220kV Jabalpur-Narsinghpur-II 220kV Jabalpur-Jabalpur(220/132kV S/S)-II 220kV Jabalpur-Sukha-I 19:15 220kV Jabalpur-Sukha-II 19:15 220kV Jabalpur-Panaghar-II	MPPCL	24-Apr-20	19:15	24-Apr-20	20:02	00:47	As intimated by SLDC Jabalpur, B/B protection operated at 220kV Jabalpur Bus-II (connected to 400kV Jabalpur PG) and tripping of all connected feeders. R-B phase-phase fault observed in PMU at Jabalpur. Heavy winds reported at Jabalpur.	Nil	Nil	**GI-I**
5	WR	132 kV Badarpur-Kolasib 132kV Aizawl - Kolasib Turial Unit # 1	Mizoram	25-Apr-20	16:37	25-Apr-20	17:15	00:38	At 16:37 hrs of 25/04/20, 132 kV Aizawl - Kolasib T/L & 132 kV Badarpur - Kolasib T/L tripped leading to blackout of 132 kV Kolasib bus and tripping of Turial Generation unit. Due to the incident Kolasib area of Mizoram got affected. There was a load loss of around 2 MW. Generation loss of 17 MW observed at Turial HEP.	17	2	**GD-1**
6	NR	Unit 1 (660MW) at Bara Unit 2 (660MW) at Bara Unit 3 (660MW) at Bara 765KV Bara-Manipuri at Bara 765KV Bus -I at Bara 765KV Bus -II at Bara 1500MVA ICT-I at Bara	UPPTCL&JPVL	25-Apr-20	16:58	25-Apr-20	22:07	05:09	As reported by UP, SLDC 765KV Bara-Manipuri line 2 tripped at 16:58 Hrs. along with tripping of 3 nos. unit(3X660MW) at 765/400KV Bara Substation. It resulted in loss of generation of about 1000MW. Reason of Tripping: 765KV Bara-Manipuri line 2 tripped due to lightning strike on 710 Main Bay of 765KV Bara-Manipuri1 at Bara end and subsequent 765 kV Bus Bar operation at Bara. Indication at Mainpuri end: B-N fault, Z-2, Fault Current- 2.1KA, 355.2KM from Mainpuri.	1000	Nil	**GD-1**