



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: 10th Apr 2020

To,

- कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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 29th Mar-2020 to 04th Apr-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 29 मार्च-2020 से 04 अप्रैल-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 29th Mar-2020 to 04th Apr-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

CGM (SO-I) 10/4/20

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (29 मार्च 2020 से 04 अप्रैल 2020 तक)

रिपोर्टिंग तिथि:-

10-Apr-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)
29-03-2020	27479	519	30855		34504		15697		2097	90	110632	609
30-03-2020	28926	401	31988		35562		16249		2169	54	114894	455
31-03-2020	28344	463	31372		35444		16986		2218	28	114364	491
01-04-2020	32699	1026	32386		34817		16596		2180	40	118678	1066
02-04-2020	33772	541	32493		35880		16574		2032	159	120751	700
03-04-2020	33705	500	32943		35066		16454		2091	196	120259	696
04-04-2020	34047	539	32350		35012		16446	80	2142	50	119997	669

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)
29-03-2020	598	172	785	33	897	76	325	47	34	5	2639	334
30-03-2020	610	165	791	36	902	82	326	50	36	6	2665	339
31-03-2020	623	154	804	31	910	83	334	49	36	4	2705	322
01-04-2020	638	150	822	44	903	87	333	48	35	4	2731	332
02-04-2020	653	151	846	40	917	86	337	48	34	3	2787	328
03-04-2020	654	145	858	41	911	89	338	50	33	4	2794	330
04-04-2020	651	139	858	45	908	89	340	49	34	3	2791	325

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड
29-03-2020	6.79	7.85	68.40	23.75	50.01	0.070
30-03-2020	10.38	14.26	71.18	14.56	49.98	0.062
31-03-2020	7.23	8.14	77.07	14.79	49.99	0.044
01-04-2020	15.27	17.12	73.79	9.09	49.97	0.061
02-04-2020	2.19	2.50	71.57	25.93	50.02	0.032
03-04-2020	2.19	2.50	71.57	25.93	50.01	0.032
04-04-2020	4.87	4.99	78.77	16.24	50.00	0.034

*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	29-03-2020		30-03-2020		31-03-2020		01-04-2020		02-04-2020		03-04-2020		04-04-2020	
	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	3084	0	3141	0	3131	0	3228	0	3393	0	3460	0	3602	0
	Haryana	3668	0	3687	0	3793	0	3635	0	3867	0	3725	0	3895	0
	Rajasthan	7394	0	7888	0	8044	0	7996	0	8252	0	8212	0	8169	0
	Delhi	2241	0	2292	0	2302	0	2413	0	2294	0	2239	0	2139	2
	UP	13385	0	13370	215	13613	0	13959	425	14468	0	14512	0	14319	0
	Uttarakhand	1004	0	1040	0	1041	0	1140	0	1061	0	1087	0	1030	0
	HP	825	0	797	0	827	0	871	0	791	0	900	0	807	0
	J&K	2151	538	1809	319	1933	483	2165	541	2166	541	2113	373	2155	539
	Chandigarh	139	0	142	0	140	0	154	0	135	0	138	0	133	0
WR	Chhattisgarh	3086	0	3169	0	3160	0	3273	0	3248	0	3242	0	3097	0
	Gujarat	9379	0	9800	0	9882	0	10148	0	10525	0	10411	0	10665	0
	MP	7916	0	8107	0	8432	0	8495	0	8777	0	8637	0	8983	0
	Maharashtra	16291	0	16137	0	16245	0	16238	0	17046	0	17388	0	17361	0
	Goa	350	0	357	0	347	0	357	0	362	0	355	0	356	0
	DD	60	0	65	0	64	0	65	0	68	0	68	0	68	0
	DNH	74	0	77	0	75	0	77	0	83	0	83	0	84	0
	Essar steel	227	0	222	0	175	0	179	0	166	0	168	0	178	0
SR	Andhra Pradesh	8244	0	8200	0	8296	0	8321	0	8479	0	8424	0	8222	0
	Telangana	10036	0	9931	0	10012	0	9662	0	10014	0	9230	0	9039	0
	Karnataka	10500	0	11002	0	11257	0	11227	0	11516	0	11435	0	11400	0
	Kerala	3569	0	3661	0	3771	0	3727	0	3765	0	3787	0	3785	0
	Tamil Nadu	10982	0	11029	0	11324	0	11498	0	11364	0	11168	0	11075	0
	Pondy	208	0	222	0	207	0	216	0	221	0	218	0	227	0
ER	Bihar	4050	0	4168	0	4062	0	4125	0	4311	0	4218	0	3868	0
	DVC	1616	0	1555	0	1685	0	1569	0	1485	0	1472	0	1522	0
	Jharkhand	1263	0	1229	0	1243	0	1284	0	1277	0	1289	0	1335	80
	Odisha	3576	0	3527	0	3703	0	3535	0	3494	0	3297	0	3362	0
	West Bengal	6209	0	6116	0	6545	0	6761	0	6657	0	6791	0	6874	0
	Sikkim	86	0	101	0	97	0	90	0	85	0	100	0	95	0
NER	Arunachal Pradesh	114	1	112	1	110	1	112	1	108	3	108	7	112	1
	Assam	1296	43	1292	38	1318	9	1307	30	1193	88	1297	71	1272	30
	Manipur	178	2	187	2	189	1	191	1	149	6	175	6	181	2
	Meghalaya	246	0	254	0	256	0	233	0	232	5	245	4	240	0
	Mizoram	92	0	94	0	95	2	94	2	88	4	89	4	95	1
	Nagaland	117	1	116	2	123	1	123	2	115	6	112	1	119	1
	Tripura	247	2	242	1	240	1	242	1	201	12	211	14	231	1

6. Energy Consumption in States (MUs)

Region	States	29-03-2020	30-03-2020	31-03-2020	01-04-2020	02-04-2020	03-04-2020	04-04-2020
NR	Punjab	60.0	62.7	63.6	63.5	68.0	72.1	70.5
	Haryana	66.5	68.1	66.7	66.8	71.3	70.3	71.2
	Rajasthan	131.8	141.4	141.3	145.1	147.7	149.0	148.9
	Delhi	41.8	43.1	42.9	44.9	43.8	43.5	44.1
	UP	220.4	220.8	234.8	241.2	246.2	241.2	241.3
	Uttarakhand	16.8	17.3	17.8	18.2	18.3	18.9	18.5
	HP	12.7	12.5	13.0	12.6	12.4	13.3	12.5
	J&K	45.3	41.9	40.2	43.5	43.4	43.2	41.5
	Chandigarh	2.2	2.2	2.3	2.2	2.2	2.2	2.2
WR	Chhattisgarh	71.9	67.8	72.6	73.4	75.7	75.4	70.8
	Gujarat	203.5	212.0	217.1	221.5	224.0	229.7	232.2
	MP	150.4	155.6	158.9	162.7	165.5	165.4	165.8
	Maharashtra	348.4	345.2	344.3	353.3	369.8	376.0	378.0
	Goa	6.9	6.7	7.1	7.2	7.2	7.2	7.2
	DD	1.3	1.4	1.4	1.4	1.5	1.5	1.5
	DNH	1.6	1.7	1.3	1.7	1.7	1.8	1.8
	Essar steel	1.1	0.8	0.8	0.7	0.6	0.6	0.6
SR	Andhra Pradesh	160.4	162.7	164.2	163.7	165.8	165.2	163.2
	Telangana	206.5	203.2	204.8	200.5	202.4	194.0	189.8
	Karnataka	215.7	218.2	221.6	220.7	226.7	226.2	228.8
	Kerala	67.8	69.3	70.2	70.3	71.4	71.4	71.7
	Tamil Nadu	242.7	244.1	245.2	243.9	246.5	250.2	250.6
	Pondy	4.0	4.2	4.2	4.2	4.3	4.3	4.3
ER	Bihar	65.3	69.4	71.2	77.4	78.3	76.1	75.1
	DVC	30.9	30.5	32.4	30.3	30.3	29.3	30.0
	Jharkhand	21.9	22.8	23.4	23.0	23.3	24.0	24.1
	Odisha	80.1	76.1	77.3	73.2	72.8	70.7	70.3
	West Bengal	125.7	126.1	128.0	127.6	131.6	136.8	138.9
	Sikkim	1.1	1.2	1.3	1.1	1.0	1.3	1.2
NER	Arunachal Pradesh	1.8	2.0	1.5	1.5	1.5	1.4	1.5
	Assam	20.0	20.5	20.9	20.9	19.7	19.5	19.8
	Manipur	2.4	2.5	2.4	2.4	2.4	2.3	2.3
	Meghalaya	3.4	3.4	3.4	3.4	3.4	3.6	3.8
	Mizoram	1.6	1.6	1.6	1.6	1.5	1.5	1.6
	Nagaland	1.9	2.1	2.0	2.0	2.0	2.1	2.0
	Tripura	3.4	3.9	3.9	3.8	3.6	2.6	3.1
ALL INDIA TOTAL		2639.1	2665.0	2705.5	2731.2	2787.4	2793.9	2790.6

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

साप्ताहिक रिपोर्ट (29 मार्च 2020 से 04 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	29-03-2020	30-03-2020	31-03-2020	01-04-2020	02-04-2020	03-04-2020	04-04-2020
East to North	-22.1	-27.2	-28.6	-28.0	-35.8	-36.0	-45.5
East to West	28.7	26.8	27.4	29.6	23.0	21.1	19.2
East to South	-120.6	-112.7	-109.6	-111.8	-114.7	-116.6	-115.8
East to North-East	0.7	5.4	4.0	4.1	9.6	14.3	13.1
North-East to North	8.3	11.7	10.9	11.5	11.2	11.8	11.7
West to North	-16.3	-27.6	-49.4	-52.7	-62.7	-51.7	-77.0
West to South	-114.2	-110.9	-108.2	-110.7	-115.7	-116.6	-89.3

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

साप्ताहिक रिपोर्ट (29 मार्च 2020 से 04 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)
29-03-2020	8.4	350	-1.3	-264	-53	-13.5	-872	-563
30-03-2020	8.1	337	-3.9	-270	-162	-13.4	-862	-558
31-03-2020	7.4	308	-1.8	-239	-77	-14.4	-1082	-600
01-04-2020	5.3	219	-1.9	-294	-81	-14.4	-1078	-599
02-04-2020	6.0	251	-2.4	-218	-101	-14.3	-1058	-595
03-04-2020	6.5	270	-2.7	-275	-112	-12.6	-1027	-523
04-04-2020	5.1	213	-2.8	-269	-119	-13.7	-1072	-571
कुल Total	46.8		-16.9			-96.3		

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					
1	ER	220 kV Rangpo – N Melli 220 kV Rangpo – Tashiding	PG	01-Apr-20	18:24	01-Apr-20	19:00	00:36	At 18:24 hrs 220 kV Rangpo – N Melli tripped on RYN fault. At the same time 220 kV Rangpo – Tashiding also tripped from Tashiding on YN fault causing generation loss of 35 MW at Tashiding due to loss of evacuation path.	35	Nil	GI-I
2	WR	400 kV Chandrapur BUS-2 400 kV Chandrapur – Bhadrawati - 1 400 kV Chandrapur – Bhadrawati - 4 400 kV Chandrapur – Parli III (MH) 400 kV Chandrapur – Chandrapur - 2 400 kV Chandrapur – Chandrapur HVDC - 1400/220 kV Chandrapur ICT - 1	PG	1-Apr-20	17:25	1-Apr-20	18:50	01:25	As intimated by Maharashtra, at 17:25:48 hrs, 400kV Bus-2 tripped along with all connected elements to Bus-2 due to damage in R - phase string (Gantry) in Bus-2.	Nil	Nil	GI-II
3	ER	220kV Jaynagar-Balimela-I 220kV Jaynagar-Balimela-II 220kV Jaynagar-Balimela-III Unit-2 at Balimela Unit-3 at Balimela Unit-5 at Balimela Unit-6 at Balimela Unit-7 at Balimela	OPTCL	3-Apr-20	03:19	3-Apr-20	04:45	01:26	At 03:19 Hrs, B-ph CT of 220kV Jaynagar-Balimela-I at Balimela failed, leading to bus fault at balimela. Both buses became dead and all the emanating lines from balimela i.e. 220kV Balimela-Jaynagar T/C tripped. Four running units at balimela (U-3,U-5 -60 MW each; U-7,U-8-75MW each) also tripped and 174 MW generation loss occurred. At the same time, one unit(u-4) out of 2 running units(U-2,U-4) at upper kolab also tripped wuth 75 generation loss.	249	Nil	GI-II
4	SR	220 KV GOURIBIDANUR-MADHUGIRI 220 KV GOURIBIDANUR-HIRIYUR DC	Karnataka	4-Apr-20	14:16	4-Apr-20	15:16	01:00	the failure of power supply at 220 KV GOURIBIDANUR station(s) of KARNATAKA in Southern Region on 2020-04-04 14:15 Hrs due to breaker lockout at DODDABALLAPURA line at GOWRIBIDANUR end.	Nil	60	GD-I
5	NER	132 kV Yurembam-Karong 132 kV Kohima-Karong 132 kV Doyang-Sanis 132 kV Sanis-Wokha 132 kV Wokha-Kohima	MoP Manipur	4-Apr-20	13:36	4-Apr-20	14:16	00:40	At 13:36 hrs, 132 kV Yurembam-Karong, 132 kV Kohima-Karong, 132 kV Doyang-Sanis & 132 kV Sanis-Wokha-Kohima tripped. These trippings resulted in the blackout of Karong, Kohima, Wokha & Sanis area. Following were the relay indications Due to this incident, Karong, Kohima, Wokha & Sanis area of Manipur and Nagaland respectively was affected and load loss of around 28 MW has occurred. There was no generation loss	Nil	28	GD-I