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: 20th 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 09th Mar-2020 to 15th Mar-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 09 मार्च -2020 से 15 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 09th Mar-2020 to 15th 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 (09 मार्च 2019 से 15 मार्च 2020 तक) **रिपोर्टिंग तिथि:-** **20-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)
09-03-2020	35968	543	46600		43644		15293		2298	52	143803	595
10-03-2020	30215	568	37065		42618		14586		2188	79	126672	647
11-03-2020	34899	637	45894		44839		16110		2363	41	144105	678
12-03-2020	37453	522	47493		45354		15831		2403	42	148534	564
13-03-2020	37332	576	47331		44814		17470		2431	44	149378	620
14-03-2020	37811	504	47985		44391		16201		2392	50	148780	554
15-03-2020	36072	529	45868		41756		18198	26	2364	35	144258	590

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)
09-03-2020	778	130	1159	44	1078	84	327	28	41	7	3383	294
10-03-2020	675	125	980	39	1075	78	316	24	38	6	3085	271
11-03-2020	684	127	1054	42	1106	94	334	30	39	6	3217	299
12-03-2020	748	135	1130	54	1123	91	349	30	41	7	3391	317
13-03-2020	772	143	1136	51	1125	88	359	33	42	7	3434	321
14-03-2020	791	148	1127	42	1117	84	337	32	41	5	3413	310
15-03-2020	763	143	1108	41	1064	67	340	31	40	5	3316	287

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
09-03-2020	0.45	0.45	70.58	28.97	50.02	0.029
10-03-2020	0.43	0.43	61.70	37.87	50.04	0.041
11-03-2020	10.23	12.57	65.63	21.81	49.99	0.061
12-03-2020	5.71	5.86	75.51	18.63	50.00	0.035
13-03-2020	3.24	3.24	78.28	18.48	50.01	0.029
14-03-2020	6.97	6.97	75.07	17.96	50.00	0.038
15-03-2020	3.37	3.55	73.75	22.70	50.01	0.036

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

4. NEW ELEMENTS COMMISSIONED

1. 765 kV Bikaner-Moga-II first time charged on 09-03-2020 at 21:55 hrs.
2. 765 kV khndwa-Indore-II first time charged on 12-03-2020 at 17:35 hrs.

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

Region	Date	09-03-2020		10-03-2020		11-03-2020		12-03-2020		13-03-2020		14-03-2020		15-03-2020	
	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	4902	0	3903	0	4279	0	4603	0	4630	0	4869	0	4551	0
	Haryana	4800	0	4032	0	4414	0	5155	0	5383	0	5456	0	4959	0
	Rajasthan	11511	0	10319	0	10241	0	10958	0	11435	483	12099	0	11874	0
	Delhi	3524	0	2292	0	3121	0	3419	0	3493	0	3306	0	3322	0
	UP	12524	0	10920	0	11654	0	12996	0	11000	415	13050	0	12406	0
	Uttarakhand	1748	0	1236	0	1450	0	1607	0	1643	0	1750	0	1687	0
	HP	1559	0	1116	0	1369	0	1401	0	1373	0	1534	0	1421	0
	J&K	2651	663	2274	568	2547	637	2149	537	2304	576	2130	533	2424	606
	Chandigarh	205	0	162	0	197	0	208	0	213	0	192	0	187	0
WR	Chhattisgarh	3687	0	2711	0	3477	0	3721	0	3517	0	3527	0	3529	0
	Gujarat	15183	0	12267	0	13837	0	15067	0	15431	0	15685	0	14737	0
	MP	11738	0	10143	0	10379	0	10397	0	10611	0	10192	0	10323	0
	Maharashtra	23719	0	19785	0	22751	0	23089	0	23217	0	22558	0	21923	0
	Goa	490	0	398	0	501	0	485	0	467	0	467	0	433	0
	DD	314	0	272	0	285	0	322	0	328	0	325	0	296	0
	DNH	794	0	753	0	693	0	793	0	798	0	796	0	776	0
	Essar steel	784	0	713	0	812	0	775	0	754	0	761	0	739	0
SR	Andhra Pradesh	9136	0	9112	0	9496	0	9694	0	9589	0	9809	0	9527	0
	Telangana	10981	0	11138	0	11806	0	11856	0	11719	0	11813	0	11714	0
	Karnataka	13003	0	12753	0	12785	0	12845	0	13030	0	12546	0	11623	0
	Kerala	3838	0	3963	0	3945	0	4015	0	3975	0	3926	0	3869	0
	Tamil Nadu	15008	0	14596	0	15297	0	15248	0	15392	0	15019	0	13300	0
	Pondy	367	0	341	0	395	0	401	0	396	0	387	0	345	0
ER	Bihar	3717	0	3493	0	3667	0	4053	0	3625	0	3380	0	3955	0
	DVC	2935	0	2651	0	2766	0	2777	0	2853	0	2858	0	2983	0
	Jharkhand	1223	0	1223	0	1157	0	1175	0	1214	0	1071	0	1097	0
	Odisha	3825	0	3653	0	3977	0	3766	0	4041	0	3994	0	3921	0
	West Bengal	5573	0	5606	0	6375	0	6982	0	7336	0	6508	0	6363	0
	Sikkim	97	0	88	0	107	0	124	0	116	0	147	0	124	0
NER	Arunachal Pradesh	112	3	112	3	126	1	118	1	125	2	121	2	123	1
	Assam	1320	41	1219	74	1345	20	1401	21	1421	18	1374	19	1372	14
	Manipur	172	4	186	3	192	1	180	2	178	3	187	2	180	2
	Meghalaya	346	1	323	4	375	0	376	0	381	0	361	0	322	0
	Mizoram	99	4	103	4	100	1	101	0	93	1	97	1	107	1
	Nagaland	109	3	108	3	129	1	122	2	124	2	125	2	126	1
	Tripura	225	11	221	13	226	1	234	1	247	0	244	1	240	0

6. Energy Consumption in States (MUs)

Region	States	09-03-2020	10-03-2020	11-03-2020	12-03-2020	13-03-2020	14-03-2020	15-03-2020
NR	Punjab	92.2	69.5	78.1	91.1	92.5	96.0	89.2
	Haryana	89.9	69.1	77.1	92.6	100.7	103.4	95.8
	Rajasthan	198.2	173.4	170.6	193.0	206.4	209.3	205.8
	Delhi	58.0	45.6	53.3	58.8	61.1	58.3	54.9
	UP	230.7	223.1	205.3	214.0	207.0	213.3	214.4
	Uttarakhand	31.1	24.3	26.8	30.0	33.2	32.8	31.3
	HP	26.4	19.7	23.4	24.3	23.8	25.5	22.7
	J&K	48.8	47.9	46.2	41.4	44.4	48.8	46.2
	Chandigarh	3.3	2.8	3.3	3.3	3.3	3.4	3.0
WR	Chhattisgarh	82.7	69.6	72.7	81.3	77.5	77.6	80.5
	Gujarat	323.8	253.8	286.4	323.3	331.2	333.1	321.0
	MP	223.3	195.8	194.5	202.6	203.6	199.1	200.1
	Maharashtra	487.6	430.1	465.5	482.4	482.7	476.3	466.7
	Goa	10.3	8.8	10.1	10.4	10.3	9.9	9.6
	DD	7.1	3.9	5.4	7.1	7.4	7.4	6.8
	DNH	18.6	12.5	14.1	17.9	18.6	18.6	18.4
	Essar steel	5.3	5.8	5.4	5.0	4.8	5.1	5.3
SR	Andhra Pradesh	187.7	189.2	192.3	197.4	200.0	198.5	196.1
	Telangana	220.8	222.6	234.2	235.4	233.4	235.9	234.4
	Karnataka	253.3	248.6	255.2	257.9	259.2	253.5	239.0
	Kerala	80.3	81.1	82.6	82.9	82.5	81.6	75.6
	Tamil Nadu	328.5	326.4	333.6	340.6	341.5	339.2	311.7
	Pondy	7.7	7.1	7.9	8.4	8.3	8.2	7.6
ER	Bihar	67.3	66.1	65.6	69.3	66.9	52.5	66.8
	DVC	61.8	51.5	54.3	56.9	59.2	58.3	62.2
	Jharkhand	23.6	23.9	22.8	22.2	23.3	18.1	21.0
	Odisha	73.1	72.4	74.9	75.8	76.4	78.1	75.4
	West Bengal	100.0	101.1	114.5	123.8	132.2	129.0	113.1
	Sikkim	1.3	1.1	1.4	1.4	1.4	1.4	1.2
NER	Arunachal Pradesh	2.2	2.1	2.0	2.0	2.1	2.2	2.2
	Assam	22.6	20.7	21.4	23.3	23.6	22.8	22.3
	Manipur	2.6	2.5	2.6	2.6	2.7	2.7	2.4
	Meghalaya	5.7	5.4	5.5	5.4	5.4	5.3	5.8
	Mizoram	1.6	1.6	1.7	1.7	1.7	1.7	1.7
	Nagaland	2.1	2.0	2.4	2.1	2.2	2.2	2.1
	Tripura	3.9	3.4	3.5	3.8	4.0	3.9	3.9
ALL INDIA TOTAL		3383.2	3084.5	3216.5	3391.2	3434.3	3413.1	3316.1

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

साप्ताहिक रिपोर्ट (09 मार्च 2019 से 15 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	09-03-2020	10-03-2020	11-03-2020	12-03-2020	13-03-2020	14-03-2020	15-03-2020
East to North	-46.7	-27.3	-36.1	-66.0	-72.0	-76.9	-73.1
East to West	37.3	61.9	52.9	29.2	12.2	9.1	18.3
East to South	-130.8	-122.1	-127.1	-134.6	-132.1	-130.0	-123.3
East to North-East	-17.3	-11.7	-18.5	-3.5	4.8	3.4	3.9
North-East to North	-5.5	-3.1	-6.4	6.5	11.6	11.5	11.6
West to North	-97.2	-72.5	-77.6	-102.1	-111.9	-101.3	-94.1
West to South	-126.8	-130.7	-108.5	-122.4	-122.0	-114.9	-101.6

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

साप्ताहिक रिपोर्ट (09 मार्च 2019 से 15 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)
09-03-2020	1.1	44	-6.9	-375	-288	-16.5	-1078	-686
10-03-2020	2.0	83	-5.1	-347	-212	-16.8	-1080	-700
11-03-2020	1.8	76	-5.8	-414	-241	-16.8	-1085	-701
12-03-2020	3.0	123	-8.5	-535	-356	-17.1	-1077	-712
13-03-2020	2.2	93	-9.7	-533	-405	-9.1	-765	-380
14-03-2020	2.6	107	-8.7	-523	-364	-14.1	-1072	-585
15-03-2020	3.7	153	-9.5	-545	-398	-16.8	-1085	-702
कुल Total	**16.3**		**-54.3**			**-107.2**		

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	WR	220kV Mapusa-Ponda 220kV Mahalaxmi-Amona line 220kV Mapusa-Amona line	GEB	8-Mar-20	15:15	8-Mar-20	15:57	00:42	220kV Mapusa-Ponda line tripped at 15:15 hrs on Y-B fault. Distance and current from Mapusa are 0.95 km and 8.122 kA and on patrolling, one tree was found burnt. 220kV Mahalaxmi-Amona line tripped from Amona end only. Mapusa-Amona line tripped from Amona end only and the line was restored at 15:27 hrs. Flow on Tillari-Amona line reduced to zero due to tripping of 220kV Halkarni-Tillari due to snapping of B phase jumper at Halkarni S/S. The generation at Tillari was out of service	Nil	242	**GD-1**
2	SR	230 kV CHECKKNAURANI-MADURAI 1 230 kV CHECKKNAURANI-MADURAI 2 230 kV CHECKKNAURANI-MADURAI 3 230 kV CHECKKNAURANI-RGPM 230 kV CHECKKNAURANI-NNKPTY 230 kV CHECKKNAURANI-AMPRM 1 230 kV CHECKKNAURANI-KAYATHAR 230 kV CHECKKNAURANI- 230 kV CHECKKNAURANI-SVPM 230 kV CHECKKNAURAN-TTPS 230 kV CHECKKNAURANI-KNLM 230 kV CHECKKNAURAN-THENI 230 kV CHECKKNAURANI-MADURAI 230 kV CHECKKNAURANI-SBTY	Tamil Nadu	12-Mar-20	01:20	12-Mar-20	04:56	03:36	At 01:20 Hrs, failure of power supply at CHECKANURANI(MADURAI 230KV) station(s) of TAMILANADU due to 230KV Bus coupler breaker Y-Phase CT blasted.	Nil	Nil	**GI-1**
3	NER	132kV Siliguri-Melli . 132kV Rangpo-Melli	Sikkim	13-Mar-20	18:29	13-Mar-20	19:44	01:15	At 18:29Hrs, 132kV Rangpo-Melli S/C and 132kV Siliguri-Melli S/C tripped leading to 26MW load loss in Melli	Nil	26	**GD-1**
4	NER	132 kV Dimapur-Kohima 132 kV Doyang-Sanis	Nagaland	13-Mar-20	12:01	13-Mar-20	12:19	00:18	At 12:01 Hrs, 132 kV Dimapur-Kohima (Dimapur: No tripping, Kohima: Not Available) and 132 kV Doyang-Sanis (Doyang: DP , 5.9 KM, Kohima : Not Available) tripped, causing bus power failure at Kohima (capital of Nagaland)	6	13	**GD-1**
5	NER	132 kV Ningthoukhong-Loktak 132 kV Ningthoukhong-Churachandpur I 132 kV Ningthoukhong-Churachandpur II	Manipur	14-Mar-20	12:11	14-Mar-20	12:29	00:18	At 12:11 hrs, 132 kV Loktak-Ningthoukhong & 132 kV Nongthoukhong-Churachandpur D/C tripped. As the 132 kV Churachandpur, Elangkangpokpi and Kakching substations of Manipur are radially connected from 132 kV Ningthoukhong and also the non-availability of 132 kV Imphal - Ningthoukhong T/L, the above mentioned tripping caused blackout of all the radial substations.Due to this incident ,Ningthoukhong, Churachandpur, Elankangpokpi & Kakching area of Manipur state was affected and load loss of around 19 MW has occured. There was no generation loss.	Nil	19	**GD-1**
6	NER	220 kV Samaguri - Mariani (AS) 220 kV Samaguri - Sonabil 220 kV Samaguri - Misa I 220 kV Samaguri - Misa II 220 kV Samaguri - Sonapur 220 kV Samaguri - Jawarnagar	ASSAM	14-Mar-20	08:24	14-Mar-20	08:41	00:17	At 08:24 Hrs of 14/03/2020, 220 kV Samaguri - Sonabil TL(Samaguri: Details awaited ; Sonabil: R-Y-Bph, Z-2, 48.2km), 220 kV Misa - Samaguri I (Misa:B-R ph, Z-2, 34.4km; Samaguri: Details awaited), 220 kV Misa - Samaguri II (Misa:B-R ph, Z-2, 34.4km ; Samaguri: Details awaited), 220kV Samaguri - Jawaharnagar(Jawaharnagar : Y-B ph, Z-2, 117.9km), 220kV Samaguri- Mariani and 220 kV Samaguri-Sonapur tripped resulting in load loss of 95 MW approximately in Samaguri area.There was no generation loss.	Nil	95	GD-1
7	SR	220kV KOLAR_PG-KOLAR_KA -1 220kV KOLAR_PG-KOLAR_KA -2	KARNATAKA	14-Mar-20	16:30	14-Mar-20	16:58	00:28	As informed by KPTCL SLDC ,220kV KOLAR_PG-KOLAR_KA -1 tripped due to mal operation of pole discrepancy relay. Subsequently 220kV KOLAR_PG-KOLAR_KA -2 tripped due to operation of back up over current relay.Anticedent power flow on 220kV KOLAR_PG-KOLAR_KA -1&2 was 210MW each.Tripping of these lines(Source feeders) led to complete outage of 220kV KOLAR_KA & 220kV MALUR_KA Sub Stations	Nil	380	GD-1