



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: 28th Aug 2020

To,

1. कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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., डोंगतिह, 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 17th Aug-2020 to 23rd Aug-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 17 अगस्त-2020 से 23 अगस्त-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 17th Aug-2020 to 23rd Aug-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr.DGM (SO)

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (17 अगस्त 2020 से 23 अगस्त 2020 तक)

रिपोर्टिंग तिथि:-

28-Aug-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 (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)
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
17-08-2020	60870	408	40490		35704		21449		2725	11	161238	419
18-08-2020	58685		40088		36581		21574		2832	102	159760	102
19-08-2020	53128	100	40781		37207		21346		2880	117	155342	217
20-08-2020	51075		41042		37123		19186		2758	9	151184	9
21-08-2020	51542		37450		37723		19603	102	2799	5	149117	107
22-08-2020	52917		38396		36268		20109	109	2823	156	150513	265
23-08-2020	52138		38160		34957		20271		2845	79	148371	79

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)
17-08-2020	1350	348	914	36	786	125	455	139	50	27	3555	675
18-08-2020	1352	345	925	35	827	121	469	139	52	28	3625	668
19-08-2020	1201	330	914	36	855	136	456	142	54	25	3480	670
20-08-2020	1110	322	929	38	851	136	397	138	52	25	3338	659
21-08-2020	1094	325	911	35	865	127	399	142	53	24	3322	653
22-08-2020	1131	317	875	53	858	125	426	148	53	26	3343	668
23-08-2020	1127	290	869	74	831	119	429	141	51	25	3306	649

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
17-08-2020	7.49	8.01	82.71	9.28	49.99	0.035
18-08-2020	5.59	5.69	77.51	16.79	50.00	0.029
19-08-2020	5.27	5.28	82.97	11.75	50.00	0.026
20-08-2020	8.81	9.19	81.08	9.73	49.99	0.036
21-08-2020	7.12	7.94	82.66	9.40	49.99	0.037
22-08-2020	3.94	3.95	77.67	18.38	50.01	0.029
23-08-2020	1.35	1.35	79.63	19.02	50.01	0.025

*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	17-08-2020		18-08-2020		19-08-2020		20-08-2020		21-08-2020		22-08-2020		23-08-2020	
	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	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	12120	0	11938	0	11089	0	8452	0	8101	0	9063	0	9248	0
	Haryana	9029	438	8839	0	8475	0	7013	0	7338	0	7969	0	7567	0
	Rajasthan	10589	0	10500	0	9975	0	9444	0	9756	0	9474	0	9115	0
	Delhi	5168	0	5025	0	4829	0	4105	0	4365	0	4438	0	4424	0
	UP	21685	0	20784	0	20354	0	19029	0	19223	0	18958	0	19225	0
	Uttarakhand	1857	0	1854	0	1702	0	1726	0	1780	0	1836	0	1657	0
	HP	1406	0	1421	0	1411	0	1330	0	1324	0	1296	0	1117	0
	J&K	2195	0	2263	0	2156	0	2086	0	2077	0	2199	0	2254	0
	Chandigarh	300	0	328	0	278	0	258	0	215	0	224	0	232	0
WR	Chhattisgarh	3461	0	3465	0	3479	0	3507	0	3204	0	3387	0	3402	0
	Gujarat	11785	0	11820	0	11578	0	12204	0	12056	0	12100	0	11175	0
	MP	8456	0	8357	0	8193	0	8164	0	7745	0	7186	0	7431	0
	Maharashtra	16335	0	16852	0	16622	0	16767	0	16630	0	15684	0	15709	0
	Goa	396	0	402	0	412	0	405	0	383	0	319	0	318	0
	DD	273	0	277	0	281	0	284	0	284	0	253	0	258	0
	DNH	675	0	687	0	670	0	695	0	691	0	661	0	657	0
	Essar steel	792	0	767	0	760	0	771	0	770	0	771	0	786	0
SR	Andhra Pradesh	7175	0	7800	0	7945	0	7946	0	7770	0	7869	0	7605	0
	Telangana	5991	0	6827	0	7527	0	6821	0	7159	0	7858	0	8880	0
	Karnataka	7839	0	7745	0	8025	0	8395	0	8661	0	7907	0	7559	0
	Kerala	3230	0	3207	0	3234	0	3188	0	3242	0	3205	0	3008	0
	Tamil Nadu	13853	0	13866	0	13708	0	14002	0	14491	0	13869	0	11969	0
	Pondy	387	0	349	0	385	0	376	0	387	0	361	0	372	0
ER	Bihar	5492	0	5852	0	5835	0	5645	0	5041	0	5181	0	5713	0
	DVC	2930	0	2960	0	2890	0	2774	0	2751	0	2830	0	2837	0
	Jharkhand	1420	0	1463	0	1407	0	1233	0	1323	0	1365	0	1364	0
	Odisha	4440	0	4511	0	4433	0	4356	0	4143	0	4026	0	4005	0
	West Bengal	7800	0	7708	0	7294	0	7040	0	6745	0	7193	0	7263	0
	Sikkim	90	0	85	0	64	0	74	0	74	0	76	0	72	0
NER	Arunachal Pradesh	105	2	108	1	117	1	93	3	106	1	119	2	108	1
	Assam	1787	35	1888	90	1879	96	1878	12	1850	14	1802	110	1817	65
	Manipur	183	1	173	1	188	1	181	2	191	1	198	1	193	2
	Meghalaya	317	0	307	0	314	0	306	1	313	0	318	0	300	0
	Mizoram	90	1	85	1	89	1	91	1	94	1	93	1	83	1
	Nagaland	125	2	129	1	127	1	127	2	133	2	129	1	129	1
	Tripura	257	2	276	0	275	2	261	5	287	6	277	0	288	0

6. Energy Consumption in States (MUs)

Region	States	17-08-2020	18-08-2020	19-08-2020	20-08-2020	21-08-2020	22-08-2020	23-08-2020
NR	Punjab	274.4	269.6	238.6	193.5	183.5	191.1	208.5
	Haryana	198.1	195.7	164.7	141.1	149.7	160.1	157.8
	Rajasthan	227.1	234.4	216.7	208.1	208.6	215.5	207.3
	Delhi	108.5	108.0	95.5	87.9	90.0	91.6	91.4
	UP	422.5	425.1	369.5	368.1	351.9	359.2	352.0
	Uttarakhand	41.0	41.6	38.1	36.9	38.0	39.5	36.4
	HP	30.8	29.8	30.1	29.3	29.3	29.3	25.6
	J&K	41.8	41.5	42.5	39.6	38.8	40.6	43.5
	Chandigarh	6.1	6.3	5.4	5.0	4.6	4.4	4.1
WR	Chhattisgarh	81.0	81.9	83.6	83.1	75.9	78.6	79.5
	Gujarat	252.3	257.9	251.3	263.2	266.0	261.0	241.4
	MP	191.7	186.8	183.7	183.5	173.6	157.4	161.8
	Maharashtra	341.4	350.6	348.1	351.4	348.2	332.5	341.2
	Goa	8.3	8.7	8.9	8.7	8.4	7.3	7.1
	DD	5.8	6.0	6.1	6.2	6.2	5.6	5.6
	DNH	15.2	15.4	15.1	15.8	15.8	15.2	14.5
	Essar steel	17.9	17.4	17.5	17.2	16.9	17.4	17.7
SR	Andhra Pradesh	150.8	160.7	164.2	163.3	162.8	162.9	160.2
	Telangana	122.6	140.4	152.2	144.4	148.0	157.6	176.2
	Karnataka	149.5	147.6	154.2	158.4	160.2	151.6	149.9
	Kerala	64.5	65.4	65.8	66.4	67.1	67.4	62.2
	Tamil Nadu	290.8	305.6	310.3	310.8	319.2	311.1	274.6
	Pondy	7.9	7.0	7.9	8.0	8.2	7.7	7.7
ER	Bihar	111.4	116.1	117.2	93.2	93.8	102.2	109.1
	DVC	64.1	64.7	64.5	60.4	61.4	63.5	62.5
	Jharkhand	27.8	28.5	28.7	21.6	24.3	26.0	26.9
	Odisha	88.0	93.1	89.7	85.2	82.0	83.5	81.7
	West Bengal	163.1	166.0	155.4	135.8	136.5	150.2	147.9
	Sikkim	1.0	1.0	0.7	0.8	0.9	0.9	0.8
NER	Arunachal Pradesh	1.8	1.7	1.9	1.6	1.8	1.8	1.9
	Assam	32.4	33.6	34.7	33.5	34.2	34.2	32.6
	Manipur	2.5	3.0	2.8	2.8	2.6	2.7	2.7
	Meghalaya	5.5	5.5	5.4	5.4	5.5	5.7	5.6
	Mizoram	1.5	1.6	1.7	1.6	1.6	1.6	1.6
	Nagaland	2.3	2.3	2.4	2.3	2.3	2.3	2.2
	Tripura	4.1	4.5	4.7	4.5	4.7	4.5	4.8
ALL INDIA TOTAL		3555.3	3624.9	3479.6	3338.4	3322.4	3343.4	3306.3

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

साप्ताहिक रिपोर्ट (17 अगस्त 2020 से 23 अगस्त 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	17-08-2020	18-08-2020	19-08-2020	20-08-2020	21-08-2020	22-08-2020	23-08-2020
East to North	-84.7	-87.4	-67.3	-81.7	-81.3	-82.6	-86.7
East to West	42.7	40.7	49.5	43.4	41.8	43.7	49.8
East to South	-71.8	-69.7	-80.3	-86.6	-89.5	-84.9	-80.3
East to North-East	-13.1	-17.0	-14.5	-13.5	-13.5	-11.9	-12.6
North-East to North	-16.0	-16.9	-14.4	-15.1	-14.5	-14.5	-14.7
West to North	-266.8	-263.2	-195.6	-166.2	-161.7	-179.0	-202.6
West to South	-3.4	-12.7	-59.7	-45.2	-50.0	-69.5	-62.4

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

साप्ताहिक रिपोर्ट (17 अगस्त 2020 से 23 अगस्त 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)
17-08-2020	51.8	2158	-3.1	-225	-128	-24.7	-1076	-1030
18-08-2020	53.5	2229	-3.2	-219	-135	-25.6	-1097	-1066
19-08-2020	53.8	2240	-3.7	-193	-154	-26.0	-1086	-1085
20-08-2020	53.8	2242	-2.6	-274	-107	-25.6	-1093	-1065
21-08-2020	53.2	2215	-2.7	-292	-113	-25.4	-1081	-1060
22-08-2020	54.0	2250	-2.3	-285	-95	-24.1	-1074	-1003
23-08-2020	55.8	2325	-1.2	-114	-48	-23.9	-1080	-996
कुल Total	375.8		-18.7			-175.3		

8). Major Grid Incidences (Provisional):-													
S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Recover		Outage Duration		Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time	Time	Time				
1	NER	132 kV Ziro-Daporijo line	DoP, Arunachal Pradesh	17.08.20	09:11	17.08.20	09:49	00:38		Daporijo area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kV Ziro-Daporijo line. At 09:11 Hrs on 17.08.2020, 132 kV Ziro-Daporijo line tripped. Due to tripping of this element, Daporijo area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	15	GD-1
2	NER	132 kV Daporijo- Along line	DoP, Arunachal Pradesh	19.08.20	14:09	19.08.20	16:51	02:42		Along area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kV Daporijo- Along line. At 14:09 Hrs on 19.08.2020, 132 kV Daporijo- Along line tripped. Due to tripping of this element, Along area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	19	GD-1
3	NER	132 kV Ranganadi - Ziro line	POWERGRID	20.08.20	13:27	20.08.20	16:30	03:03		Ziro area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Ranganadi - Ziro line. At 13:27 Hrs on 20.08.2020, 132 kV Ranganadi - Ziro line tripped. Due to tripping of this element, Ziro area of Arunachal Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	27	GD-1
4	NER	132 kV Silchar- Srikona D/C 132 kV Srikona-Pailapool line	POWERGRID & AEGCL	22.08.20	00:23	22.08.20	00:48	00:25		Srikona area of Assam Power System was connected with rest of NER Grid through 132 kV Silchar- Srikona D/C & 132 kV Srikona-Pailapool line. 132 kV Srikona- Panchgram line is under forced outage since 14-01-19 due to tower collapse. At 00:23 Hrs on 22.08.2020, 132 kV Silchar- Srikona D/C & 132 kV Srikona-Pailapool line tripped. Due to tripping of these elements, Srikona area of Assam Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	30	GD-I
5	NER	132 kV Ranganadi - Ziro line	POWERGRID	22.08.20	18:35	22.08.20	18:56	00:21		Ziro area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Ranganadi - Ziro line. At 18:35 Hrs on 22.08.2020, 132 kV Ranganadi - Ziro line tripped. Due to tripping of this element, Ziro area of Arunachal Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	46	GD-I
6	WR	220 kV Datia –Gwalior(MP) line 220/160 kV , 160 MVA ICT at Datia 220 KV Bus-1 at Datia 220 KV Bus-2 at Datia	MPPTCL	18.08.20	05:08	18.08.20	05:45	00:37		At 05:08 hrs/18.08.2020, at 220 KV Datia MP due to R phase fault in 220 kV Datia –Bina (MP) line, all 220 KV lines and 220/132 kV ICT tripped and 220 KV Datia MP Station became dark. As reported by SLDC MP Load loss of 121 MW occurred.	0	121	GD-I
7	SR	400 kV Srisaillam-Dindi-1 400 kV Srisaillam-Dindi-2 400 kV Srisaillam-Sattenapally-1 400 kV Srisaillam-Sattenapally-2 400 kV Srisaillam-Nannoor	Telangana	20.08.20	22:25	20.08.20	Still out		The overall event has taken place in a span ranging from 22:25 Hrs to 22:46 Hrs. Initially oscillations were observed from 22:25 Hrs and the oscillations died after whole 400kV Srisaillam substation went into black at 22:46 Hrs. The primary cause of the incident is not yet known, however from the basic information received from Telangana SLDC, initially Srisaillam informed to Telangana SLDC that fire was noticed in the station. During the same time oscillations were also observed throughout SR. Power oscillations were observed in Srisaillam units from around 900 MW to 200 MW within a span of around 0.24 s with Bus frequency varying from around 49.77Hz to 50.29 Hz. Slowly one by one units were being taken out and finally Srisaillam SS went into black at 22:46 Hrs. The details are yet to be known regarding the tripping of lines however DT has been received at other ends with indication of C-N fault (Zone -2) at all the lines at the other ends.	852	Nil	GD-I	
8	ER	400 kV Barh-Motihari Ckt- II	DVC	22.08.20	16:46	22.08.20	17:45	00:59		At 16:46 Hrs, total power failure occurred at 400/132 KV Motihari S/S due to tripping of 400 KV Barh-Motihari # II (only 400 KV source of power at Motihari) on Y-B Phase to Phase fault. Barh end : 17.89 kA, 10.5 km, Zone 1, Motihari: DT received. 400/132 KV, 200MVA ICT 1 at Motihari were supplying radial load of Bettiah Rasaul (Ramnagar, Nankatyagan, Aenraj). Total load loss of around 117MW occurred	0	117	GD-1
9	WR	220 kV Sayali-Vaghchhipa 220 kV Sayali-Khadoli	SLDC/DNH	23.08.20	10:54	23.08.20	13:48	02:54		220 kV Sayali-Vaghchhipa and 220 kV Sayali-Khadoli tripped due to B-E fault at 220 kV Sayali s/s in UT of DNH at 10:54 hrs. Load loss of around 70 MW is observed as per DNH demand in SCADA. The Sayali s/s is feeding radial load of Alok Industries vide 220 kV Sayali-Alok line.	Nil	170	GD-1