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: 16th August 2019

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 05th Aug-2019 to 11th Aug-2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 05 अगस्त -2019 से 11 अगस्त-2019, 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 05th Aug-2019 to 11th Aug-2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

DGM (SO)

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (05 अगस्त से 11 अगस्त 2019 तक) **रिपोर्टिंग तिथि:-** **16-Aug-19**

(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)
05-08-2019	56661	397	42875		41059		19843		2880	140	163318	537
06-08-2019	55806	485	42574		41051		19112		2325	474	160868	959
07-08-2019	54296	506	41390		38126		17912		2474	215	154198	721
08-08-2019	57970	564	44095		41957		19510		2550	187	166082	751
09-08-2019	54594	469	45581		40625	99	19591		2632	190	163023	758
10-08-2019	55433	1013	46061		39725		18418		2549	185	162186	1198
11-08-2019	55690	1292	46698		40459		17694		2515	241	163056	1533

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)
05-08-2019	1364	374	989	11	943	30	457	98	54	19	3807	533
06-08-2019	1308	351	979	14	932	29	431	104	50	17	3700	515
07-08-2019	1284	370	949	12	887	30	397	112	45	22	3562	546
08-08-2019	1346	356	1010	18	942	41	417	126	46	27	3761	567
09-08-2019	1258	341	1035	16	963	36	416	124	48	28	3721	545
10-08-2019	1280	352	1057	15	944	34	424	118	47	30	3750	550
11-08-2019	1268	358	1076	18	943	41	401	119	46	29	3734	566

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
05-08-2019	4.80	5.10	68.78	26.11	50.01	0.041
06-08-2019	3.81	3.81	68.39	27.80	50.03	0.036
07-08-2019	2.75	2.75	61.89	35.36	50.02	0.063
08-08-2019	3.70	3.70	66.85	29.44	49.99	0.034
09-08-2019	1.17	1.45	65.21	33.34	50.00	0.039
10-08-2019	1.55	1.55	59.03	39.42	49.99	0.040
11-08-2019	11.04	11.83	53.56	34.61	49.98	0.062

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

4. NEW ELEMENTS COMMISSIONED

NIL

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

Region	Date	05-08-2019		06-08-2019		07-08-2019		08-08-2019		09-08-2019		10-08-2019		11-08-2019	
	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	12955	0	12418	0	12166	0	12602	0	12446	0	11929	0	10953	0
	Haryana	9393	0	9633	0	9206	0	9782	0	9675	0	9739	0	9779	0
	Rajasthan	9928	0	9814	0	9097	0	9958	0	10437	0	10815	0	11238	0
	Delhi	6118	0	5908	0	6192	0	6305	0	6172	0	6570	0	6826	0
	UP	19745	0	19040	0	18607	0	18605	0	16908	0	15858	890	16410	870
	Uttarakhand	2046	0	2021	0	1893	0	2034	0	1933	0	1985	0	1863	0
	HP	1424	0	1427	0	1176	0	1360	0	1289	0	1389	0	1375	10
	J&K	2170	543	2029	507	2144	536	2286	571	2033	508	2116	529	1867	467
	Chandigarh	325	0	312	0	298	0	346	0	284	0	286	0	267	0
WR	Chhattisgarh	3453	0	3373	0	3494	0	3482	0	3755	0	3845	0	3981	0
	Gujarat	14361	0	14561	0	13331	0	15005	0	15026	0	15302	0	16025	0
	MP	6961	0	7030	0	7209	0	7558	0	7822	0	8168	0	8408	0
	Maharashtra	18021	0	17150	0	16561	0	17706	0	18266	0	18118	0	18013	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	341	0	327	0	326	0	324	0	335	0	336	0	337	0
	DNH	794	0	800	0	771	0	790	0	788	0	798	0	797	0
	Essar steel	283	0	326	0	374	0	341	0	359	0	464	0	452	0
SR	Andhra Pradesh	8343	0	8288	0	8103	0	8588	0	9063	0	8785	0	8798	0
	Telangana	7388	0	7073	0	6863	0	7228	0	7522	0	7846	0	7733	0
	Karnataka	10065	0	9235	0	8902	0	9895	0	10380	0	10147	0	10056	0
	Kerala	3594	0	3554	0	3379	0	3512	0	3326	0	3339	0	3386	0
	Tamil Nadu	15727	0	15402	0	13642	0	15693	0	15018	0	14840	0	14696	0
	Pondy	450	0	444	0	423	0	432	0	403	0	382	0	388	0
ER	Bihar	5540	0	5339	0	4914	0	4341	0	4348	0	4110	0	3809	0
	DVC	3083	0	3046	0	3058	0	2915	0	2986	0	3005	0	2927	0
	Jharkhand	1035	0	1020	0	1016	0	1131	0	1097	0	1000	0	999	0
	Odisha	4018	0	3986	0	3877	0	4007	0	3974	0	4403	0	4318	0
	West Bengal	8596	0	8253	0	7648	0	8007	0	8036	0	8021	0	7870	0
	Sikkim	97	0	89	0	72	0	83	0	92	0	93	0	87	0
NER	Arunachal Pradesh	128	4	124	2	125	2	128	1	121	2	124	2	131	2
	Assam	1801	58	1457	20	1523	194	1575	150	1663	134	1634	122	1575	192
	Manipur	158	4	168	1	157	3	156	2	163	3	163	4	152	1
	Meghalaya	341	7	312	0	317	0	317	0	321	0	324	0	310	0
	Mizoram	91	6	88	2	76	2	89	2	92	2	87	1	82	2
	Nagaland	144	3	143	2	118	2	130	2	128	1	126	3	135	3
	Tripura	311	12	245	5	253	0	255	3	246	1	259	2	241	2

6. Energy Consumption in States (MUs)

Region	States	05-08-2019	06-08-2019	07-08-2019	08-08-2019	09-08-2019	10-08-2019	11-08-2019
NR	Punjab	284.4	271.4	270.0	291.7	268.9	262.6	244.6
	Haryana	205.8	210.4	199.5	214.9	207.9	210.1	214.6
	Rajasthan	220.9	218.1	201.3	218.1	225.8	239.7	242.6
	Delhi	126.4	122.3	119.6	130.2	113.4	127.8	135.5
	UP	403.0	364.9	377.9	368.4	325.6	318.3	313.4
	Uttarakhand	45.1	44.2	42.2	43.9	41.9	43.9	40.3
	HP	29.9	29.9	25.0	28.1	28.2	29.8	29.0
	J&K	41.9	41.0	43.0	44.1	40.8	42.0	42.4
	Chandigarh	6.5	6.0	5.6	6.5	6.0	5.9	5.5
WR	Chhattisgarh	81.1	77.9	79.0	82.5	83.4	87.3	91.8
	Gujarat	322.7	321.8	305.1	331.7	340.4	344.5	354.4
	MP	157.7	154.9	157.1	160.3	165.3	174.2	180.9
	Maharashtra	386.3	382.6	367.1	392.3	402.8	403.7	403.8
	Goa	10.0	10.0	10.5	11.6	11.6	11.6	11.6
	DD	7.6	7.5	6.7	7.2	7.6	7.6	7.6
	DNH	18.6	18.6	17.3	18.2	18.6	18.7	18.7
	Essar steel	5.1	5.5	6.7	6.1	5.6	9.1	7.2
SR	Andhra Pradesh	169.3	179.4	175.1	182.5	188.4	185.9	187.1
	Telangana	152.5	150.4	147.3	155.9	164.2	166.6	163.8
	Karnataka	191.5	183.5	172.9	188.5	195.2	188.8	190.0
	Kerala	72.8	72.7	65.4	69.2	68.6	66.1	67.2
	Tamil Nadu	347.2	336.3	317.2	336.8	338.4	327.8	327.2
	Pondy	9.5	9.5	8.7	8.9	8.3	8.2	8.1
ER	Bihar	107.8	101.6	83.7	78.9	69.9	76.5	59.2
	DVC	65.5	64.0	65.3	65.3	65.5	65.0	64.7
	Jharkhand	23.4	22.6	21.5	23.5	23.2	22.8	22.6
	Odisha	81.0	79.7	80.6	84.0	85.1	89.5	88.3
	West Bengal	177.9	161.8	144.9	164.1	170.8	168.6	164.9
	Sikkim	1.2	1.0	0.8	1.0	1.3	1.1	1.2
NER	Arunachal Pradesh	2.2	2.1	2.2	2.5	2.3	2.2	2.3
	Assam	34.0	30.9	26.8	27.6	28.7	27.1	27.2
	Manipur	2.6	2.3	2.4	2.3	2.5	2.6	2.4
	Meghalaya	5.8	5.6	5.9	5.6	6.0	6.4	5.3
	Mizoram	2.0	1.7	1.4	1.7	1.8	1.7	1.7
	Nagaland	2.2	2.0	2.1	2.3	2.3	2.2	2.2
	Tripura	5.6	5.2	4.3	4.5	4.6	4.6	4.5
ALL INDIA TOTAL		**3806.9**	**3699.3**	**3561.8**	**3760.6**	**3720.7**	**3750.5**	**3733.7**

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (05 अगस्त से 11 अगस्त 2019 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	05-08-2019	06-08-2019	07-08-2019	08-08-2019	09-08-2019	10-08-2019	11-08-2019
East to North	-76.3	-63.1	-64.4	-85.0	-61.5	-47.8	-55.5
East to West	90.4	90.1	83.7	60.9	76.5	96.3	77.3
East to South	-18.5	-15.4	-14.1	-14.6	-22.6	-24.1	-22.4
East to North-East	-7.9	-9.7	-12.7	-12.3	-18.5	-15.0	-16.3
North-East to North	-17.2	-6.6	-17.7	-16.9	-19.3	-17.9	-16.9
West to North	-172.5	-144.7	-140.7	-171.1	-191.5	-202.3	-169.0
West to South	-12.2	10.4	18.8	14.1	-1.7	-0.6	20.2

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

साप्ताहिक रिपोर्ट (05 अगस्त से 11 अगस्त 2019 तक)

अंतरराष्ट्रीय विद्युत विनिमय [भारत से दूसरे देश को आयात (+) / निर्यात (-)] Transnational Exchange from India (Import=(+ve) /Export =(-ve))

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)
05-08-2019	22.2	927	-10.1	-550	-422	-25.3	-1075	-1055
06-08-2019	29.8	1240	-8.2	-480	-342	-23.2	-1079	-967
07-08-2019	34.8	1450	-6.7	-500	-279	-23.9	-1110	-996
08-08-2019	44.6	1856	-6.7	-398	-281	-26.5	-1132	-1102
09-08-2019	43.7	1823	-5.0	-355	-210	-25.6	-1107	-1065
10-08-2019	44.7	1864	-5.5	-354	-231	-26.1	-1109	-1087
11-08-2019	40.8	1699	-3.6	-192	-149	-25.5	-1095	-1061
कुल Total	**260.6**		**-45.9**			**-176.0**		

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
				Date	Time	Date	Time	Time				
1	ER	220 KV Chukha-Birpara I 220 KV Chukha-Birpara II	Bhutan	06-Aug-19	22:33	07-Aug-19	02:47	04:14	At 22:33 Hrs, all lines emanating from Chukha tripped due to fire in 220 KV R_ph bus coupler CT at Chukha end. Consequently 277 MW generation loss occurred	277	0	**GI-II**
2	NER	132 kV Kohima-Imphal 132 kV Kohima -Wokha 132 kV Kohima - Karong	DoP,Nagaland	07-Aug-19	10:08	07-Aug-19	11:22	01:14	At 10:08 Hrs of 07/08/2019, Y-Phase of 132 kV Bus-Bar snapped at 132 kV Kohima(Nagaland) S/s. It caused tripping of 132 kV Kohima-Imphal , 132 kV Kohima -Wokha & 132 kV Kohima - Karong lines. Due to this incident , Capital area of Nagaland along with Karong area of Manipur blacked out. Karong was radially fed from Kohima as there was shutdown of 132 kV Imphal(Yurembum) - Karong line.	20	20	**GD-I**
3	NER	132 kV Monarchak - Rokhia T/L 132 kV Rokhia - Agartala I	TSECL	07-Aug-19	14:09	07-Aug-19	14:24	00:15	At 14:09 Hrs of 07/08/2019, 132 kV Monarchak - Rokhia T/L & 132 kV Rokhia - Agartala I tripped along with Rokhia Unit#7 & Unit#9 causing blackout of 132 kV Rokhia bus.Due to the disturbance 132 kV Rokhia bus was dead. There was a load loss of around 14 MW in Rokhia area of Tripura system. Generation loss of around 34 MW observed in Rokhi	34	14	**GD-I**
4	NER	132 kV Lekhi- Pare	DoP,Arunachal	07-Aug-19	12:32	07-Aug-19	12:43	00:11	Lekhi and Nirjuli areas of Arunachal Pradesh Power System were connected with rest of NER Grid through 132 kV Lekhi- Pare line. 132 kV Lekhi -Itanagar Line was kept open due to CT problem at Lekhi end and 132 kV Nirjuli-Gohpur Line was kept open for system requirement. At 12:32 Hrs on 08.08.19, 132 kV Lekhi- Pare line tripped. Due to tripping of this element, Lekhi and Nirjuli areas were separated from rest of NER Grid and subsequently collapsed due to no source in these areas.	0	34	**GD-I**
5	NER	132 kV Ranganadi - Ziro line	DoP,Arunachal	09-Aug-19	23:17	10-Aug-19	00:03	00:46	Ziro area of Arunachal Pradesh Power System was connected radially with the rest of NER Grid through 132 kV Ranganadi - Ziro line. At 23:17 Hrs on 09.08.2019, 132 kV Ranganadi - Ziro line tripped. Due to tripping of this element, Ziro area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	29	**GD-I**
6	NER	132 kV Badarpur - Kolasib 132 kV Aizawl - Kolasib	Mizoram	09-Aug-19	10:06	09-Aug-19	10:23	00:17	Kolasib area of Mizoram Power System and Turial Power Station were connected with rest of NER Grid through 132 kV Badarpur - Kolasib line and 132 kV Aizawl - Kolasib line. At 10:06 hrs on 09.08.19, 132 kV Badarpur - Kolasib line and 132 kV Aizawl - Kolasib line tripped. Due to tripping of these elements, Kolasib area of Mizoram Power System and Turial Power Station were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	0	4	**GD-I**
7	NER	132 kV Sarusajai-Kahelipara I, II and III	Assam	10-Aug-19	11:35	10-Aug-19	11:51	00:16	Capital area of Assam Power System were connected with 132 kV Sarusajai-Kahelipara I, II and III lines.132 kV Dhaligaon- Nalbari line, 132 kV Rangia-Bornagar line, 132 kV Rangia- Siphajhar line and 132 kV Rangia- Rowta line were in idle charged condition. At 11:35hrs on 10.08.19, 132 kV Sarusajai-Kahelipara I, II and III lines tripped. Due to tripping of these elements, Capital area of Assam Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	0	250	**GD-II**

8	NER	220 kV Salakati-Bongaigaon(AS) I & II 220 kV BGTPP-Bongaigaon(AS) line	Assam	10-Aug-19	18:18	10-Aug-19	18:58	00:40	Bongaigaon Area of Assam Power System were connected with the rest of NER Grid through 220 kV Salakati-Bongaigaon(AS) I & II lines, 220 kV Agia-Bongaigaon(AS) I & II lines and 220 kV BGTPP-Bongaigaon(AS) line, 132 kV Rangia- Nalbari line and 132 kV Rangia- Bornagar were idle charged from Rangia end. At 18:18 Hrs on 10.08.2019, 220 kV Salakati-Bongaigaon(AS) I & II lines and 220 kV BGTPP-Bongaigaon(AS) line tripped. At 18:21 Hrs 220 kV Agia-Bongaigaon(AS) I & II lines were hand triped due to low voltage at Bongaigaon(AS) substation. Due to tripping/opening of these elements, Bongaigaon area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	199	**GD-1**
9	ER	132 KV Siliguri-Kurseong 132 KV Rangit-Kurseong 132 KV Siliguri-Melli	WBSETCL	10-Aug-19	19:45	10-Aug-19	20:12	00:27	At 19:45 Hrs, 132 KV Siliguri-Kurseong and 132 KV Rangit-Kurseong tripped due to R_Y_N fault, leading to a load loss of 4 MW at Kurseong. At the same time,132 KV Siliguri-Melli also tripped due to Y_N fault.	0	4	**GD-1**
10	ER	132 KV Motihari-Bettiah D/c 132 kV Ramnagar-Valmiknagar	BSPHCL	11-Aug-19	09:30	11-Aug-19	10:12	00:42	At 09:30 Hrs, Y_ph conductor of 132 KV Main Bus snapped at 132/33 KV Ramnagar S/s leading to tripping of all emanating circuits from Ramnagar, load loss of 27 MW occurred. At the same time, 132 KV Motihari-Bettiah D/c also tripped. Load loss of 23 MW at Bettiah occurred. Valmikinagar Hydel also became zero due to loss of evacuation path	0	23	**GD-1**
11	NER	20 MVA ICT I at Imphal(Yurembum) 20 MVA ICT II at Imphal(Yurembum) 20 MVA ICT III at Imphal(Yurembum)	Manipur	11-Aug-19	16:19	11-Aug-19	16:40	00:21	At 16:19 hrs, 3 numbers of 20 MVA, 132/33 kV ICT at Imphal (Yurembum) tripped due to CT blast in 33/11 kV, 5 MVA transformer lead to load loss in Capital area of Manipur . However , the Manipur(Yurembum) substation was fed through 132 kV Imphal(PG) - Imphal(Manipur) I & II lines .Therefore no substation blackout due to this incident in Manipur.Due to the trippings Imphal (Capital area of Manipur) got affected .There was no generation loss. Load loss was around 23 MW	0	23	**GD-1**