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: 23rd 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 12th Aug-2019 to 18th Aug-2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 12 अगस्त -2019 से 18 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 12th Aug-2019 to 18th 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 (12 अगस्त से 18 अगस्त 2019 तक) **रिपोर्टिंग तिथि:- 23-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)
12-08-2019	58142	999	43398		38963		19907		2412	424	162822	1423
13-08-2019	55338	744	43780		39214		20585		2693	182	161610	926
14-08-2019	54901	1217	42823		39528		20891		2617	299	160760	1516
15-08-2019	47619	467	34473		37141		20243		2487	297	141963	764
16-08-2019	52026	488	41772	42	40121		21033		2824	130	157776	660
17-08-2019	45512	472	44562		38192		21273		2858	140	152397	612
18-08-2019	43515	2701	42754		36364		19679		2657	203	144969	2904

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)
12-08-2019	1358	352	978	92	907	136	455	112	53	22	3751	714
13-08-2019	1303	350	1004	104	915	133	420	107	51	23	3693	716
14-08-2019	1254	349	982	106	920	136	431	122	53	21	3639	733
15-08-2019	1142	350	830	99	876	125	425	124	49	24	3323	722
16-08-2019	1152	359	911	106	932	127	457	129	51	23	3502	744
17-08-2019	1049	362	984	103	894	142	451	127	53	24	3432	758
18-08-2019	961	278	989	96	851	137	423	131	52	22	3275	664

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
12-08-2019	5.68	7.27	77.50	15.23	49.99	0.043
13-08-2019	3.40	3.40	75.59	21.01	50.02	0.025
14-08-2019	1.20	1.20	73.78	25.01	50.02	0.027
15-08-2019	2.09	4.12	47.04	48.84	50.06	0.134
16-08-2019	4.26	4.57	61.81	33.62	50.02	0.044
17-08-2019	4.86	4.86	80.93	14.21	49.99	0.028
18-08-2019	9.59	12.28	73.62	14.10	49.98	0.058

***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	12-08-2019		13-08-2019		14-08-2019		15-08-2019		16-08-2019		17-08-2019		18-08-2019	
	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	11578	0	10395	0	10924	0	9735	0	10577	0	8942	0	6257	0
	Haryana	9353	0	9609	93	9074	0	8709	0	8436	0	7405	0	6664	168
	Rajasthan	9524	0	9577	0	9115	0	8373	0	6903	0	7044	0	7691	0
	Delhi	5673	0	5587	0	5425	0	5331	0	5073	0	4917	0	4408	0
	UP	21632	180	20598	0	19817	0	18805	0	19433	0	18071	0	17945	700
	Uttarakhand	1838	0	1827	0	1968	0	1747	0	1747	0	1741	0	1424	0
	HP	1416	0	1406	0	1390	0	1181	0	1284	0	1514	0	1146	0
	J&K	2011	503	2106	526	2106	526	1905	476	1953	488	1972	493	2048	512
	Chandigarh	289	0	323	0	301	0	253	0	282	0	234	0	195	0
WR	Chhattisgarh	3928	0	3701	0	3523	0	3416	0	3956	0	4130	0	4099	0
	Gujarat	12323	0	13017	0	13057	0	11628	0	12091	0	12698	0	12439	0
	MP	8711	0	8603	0	7575	0	6440	0	7207	0	7729	0	7574	0
	Maharashtra	17134	0	17879	0	18254	0	16630	0	17311	0	18304	0	17739	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	340	0	349	0	348	0	310	0	326	0	345	0	312	0
	DNH	797	0	810	0	792	0	776	0	750	0	780	0	778	0
	Essar steel	233	0	174	0	181	0	213	0	156	0	202	0	287	0
SR	Andhra Pradesh	8761	0	8744	0	8595	0	8082	0	8635	0	7903	0	7415	0
	Telangana	9348	0	8928	0	9463	0	8670	0	10180	0	10249	0	10308	0
	Karnataka	8190	0	8491	0	8651	0	7823	0	8534	0	8419	0	7439	0
	Kerala	2907	0	3025	0	3117	0	3034	0	3291	0	3292	0	3060	0
	Tamil Nadu	14125	0	14066	0	13998	0	12663	0	13633	0	13017	0	11604	0
	Pondy	422	0	413	0	431	0	360	0	336	0	341	0	308	0
ER	Bihar	5389	0	5366	0	5377	0	5170	0	5436	0	5447	0	5179	0
	DVC	2740	0	2855	0	2857	0	2825	0	2922	0	2892	0	2863	0
	Jharkhand	1156	0	1023	0	1060	0	1173	0	1075	0	1126	0	1061	0
	Odisha	4421	0	4389	0	4496	0	4554	0	5151	0	4866	0	4351	0
	West Bengal	8374	0	7553	0	8061	0	7407	0	7620	0	7539	0	7277	0
	Sikkim	59	0	88	0	69	0	62	0	72	0	86	0	50	0
NER	Arunachal Pradesh	140	4	148	2	116	9	110	7	128	2	128	1	126	3
	Assam	1701	35	1741	163	1623	65	1521	68	1798	80	1839	80	1734	114
	Manipur	149	3	152	2	158	9	155	8	160	1	140	2	164	2
	Meghalaya	297	0	303	0	320	16	316	11	310	0	324	0	304	0
	Mizoram	87	2	93	3	90	4	88	7	97	2	95	1	86	3
	Nagaland	136	3	137	1	138	6	127	8	136	1	135	2	125	2
	Tripura	256	15	265	4	279	15	293	18	305	2	275	2	286	7

6. Energy Consumption in States (MUs)

Region	States	12-08-2019	13-08-2019	14-08-2019	15-08-2019	16-08-2019	17-08-2019	18-08-2019
NR	Punjab	256.1	229.1	233.8	220.4	226.5	176.1	124.2
	Haryana	206.9	204.7	192.2	170.6	177.7	150.9	125.4
	Rajasthan	211.5	214.5	207.5	171.0	156.0	147.3	163.0
	Delhi	115.5	117.8	113.9	98.7	107.7	99.2	89.1
	UP	449.7	420.6	393.0	379.2	377.1	370.6	353.2
	Uttarakhand	39.9	41.4	42.3	33.8	36.1	37.5	30.0
	HP	29.1	29.6	29.4	22.8	26.6	29.6	34.0
	J&K	42.9	38.7	35.7	40.3	38.5	33.5	38.8
	Chandigarh	6.0	6.3	6.0	5.2	5.6	5.0	3.6
WR	Chhattisgarh	92.7	87.9	80.5	80.3	88.3	97.4	96.0
	Gujarat	270.6	292.7	293.4	231.5	258.5	281.8	282.4
	MP	195.4	186.9	169.4	140.7	149.7	164.8	169.2
	Maharashtra	379.0	396.2	399.4	344.5	378.1	399.9	399.2
	Goa	10.3	10.5	10.5	10.5	11.3	11.7	11.7
	DD	7.4	7.8	7.8	4.8	6.3	7.6	7.1
	DNH	18.5	18.9	18.5	14.9	16.2	18.2	18.4
	Essar steel	4.1	3.0	2.7	2.8	2.5	3.0	4.7
SR	Andhra Pradesh	186.0	183.4	183.6	184.7	183.3	174.0	164.1
	Telangana	196.4	191.9	200.8	190.6	213.1	218.9	217.0
	Karnataka	154.5	160.5	161.3	149.9	164.2	158.1	142.7
	Kerala	55.0	58.6	59.4	58.1	62.5	63.8	60.0
	Tamil Nadu	306.7	312.4	306.8	286.0	301.6	272.1	260.2
	Pondy	8.5	8.6	8.1	7.3	7.0	6.9	6.5
ER	Bihar	110.7	96.5	99.9	104.7	108.1	107.8	104.9
	DVC	60.7	57.8	60.6	61.0	61.4	62.0	60.6
	Jharkhand	24.5	22.9	23.2	24.5	25.2	24.4	21.8
	Odisha	94.1	91.3	93.9	96.6	103.9	104.5	89.8
	West Bengal	164.8	150.5	152.2	138.2	157.1	151.0	144.9
	Sikkim	0.8	0.8	0.7	0.5	0.8	0.9	0.6
NER	Arunachal Pradesh	2.2	2.2	2.1	2.2	2.0	2.0	2.3
	Assam	33.9	32.6	33.4	30.3	33.2	35.2	33.3
	Manipur	2.4	2.4	2.5	2.5	2.4	2.3	2.3
	Meghalaya	5.2	5.1	5.5	5.6	5.5	5.5	5.3
	Mizoram	1.7	1.8	1.7	1.6	1.3	1.4	1.7
	Nagaland	2.4	2.4	2.2	2.3	2.2	2.2	2.2
	Tripura	5.5	4.7	5.4	4.7	4.5	4.8	4.5
ALL INDIA TOTAL		**3751.2**	**3692.9**	**3639.4**	**3323.2**	**3502.2**	**3431.9**	**3274.9**

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (12 अगस्त से 18 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	12-08-2019	13-08-2019	14-08-2019	15-08-2019	16-08-2019	17-08-2019	18-08-2019
East to North	-77.6	-81.9	-74.8	-55.1	-38.5	-35.1	-44.4
East to West	57.5	55.4	72.2	85.1	87.2	84.9	85.8
East to South	-29.6	-46.8	-57.7	-59.7	-66.4	-65.4	-64.9
East to North-East	-14.7	-13.8	-13.3	-11.2	-17.5	-19.3	-17.8
North-East to North	-16.9	-16.4	-14.5	-14.4	-14.6	-14.7	-14.4
West to North	-191.6	-160.0	-146.4	-142.3	-138.6	-84.8	-106.1
West to South	16.7	-15.2	-2.7	-15.3	-25.2	-42.2	-25.5

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

साप्ताहिक रिपोर्ट (12 अगस्त से 18 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)
12-08-2019	37.2	1549	-7.7	-332	-322	-18.3	-926	-761
13-08-2019	36.3	1510	-5.9	-387	-246	-18.6	-921	-776
14-08-2019	45.6	1900	-6.3	-169	-264	-20.4	-957	-849
15-08-2019	41.3	1722	-4.7	-300	-195	-20.4	-955	-850
16-08-2019	43.4	1808	-5.0	-314	-207	-20.3	-958	-846
17-08-2019	43.4	1810	-6.3	-368	-263	-21.4	-1007	-891
18-08-2019	46.5	1936	-5.5	-433	-231	-25.2	-1124	-1050
कुल Total	**293.6**		**-41.4**			**-144.6**		

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	220 kV Ponda Bus-1 220 kV Ponda-Xeldem-2 220 kV Mapusa- Ponda-1 220 kV Amona- Ponda-2 220 kV Mahalaxmi-Amona	GEB	12-Aug-19	10:01	12-Aug-19	11:11	01:10	At 10:01hrs, 220 kV Ponda Bus-1 became dead due to Conductor snapping on 220KV Ponda-Xeldem-2 line leading to tripping of 220KV Mapusa-Ponda- 1, 220KV Amona-Ponda-2. Also 220KV MahalaxmiAmona tripped at Amona due to reflection fault.	0	180	**GD-1**
2	NER	132 kV Palatana-Surajmani Nagar 132 kV Rokhia - Agartala I Rokhia Unit-7,8,9 Monarchak GTG-1 & STG-1 AGTCCPP Unit-1,2,3,5,6	TSECL	12-Aug-19	03:13	12-Aug-19	03:24	00:11	AGTCPP Power Station was connected with the rest of NER Grid through 132 kV AGTCCPP-Agartala I & II lines and 132 kV AGTCCPP-Kumarghat line. At 03:13 Hrs on 12.08.2019, 132 kV Palatana-Surajmani Nagar T/L & 132 kV Rokhia - Agartala I tripped along with Rokhia Unit#7, Unit#8 & Unit#9, Monarchak GTG#1 & STG#1 and AGTCCPP Unit#1, Unit#2, Unit#3, Unit#5 & Unit#6. 132 kV AGTCCPP-Kumarghat T/L and 132 kV AGTCCPP-Agartala Ckt 1 & Ckt 2 were hand-tripped by AGTCCPP ,causing blackout of 132 kV AGTCCPP bus with a generation loss of around 190 MW in AGTCCPP, Monarchak & Rokhia.	190	0	**GD-1**
3	ER	220 KV Bolangir Katapalli 220 KV New Bargarh Sadepalli	OPTCL	13-Aug-19	05:53	13-Aug-19	06:16	00:23	At 05:53 ,220 KV Bolangir(PG) Katapalli tripped on Rph fault from both ends and at the same time 220 KV New Bargarh Sadepalli tripped from New Bargarh on Y-B fault , leading to voltage loss in 220 KV Sadepalli and load loss in 132 KV Patnagarh, Bolangir and Barpalli s/s	0	90	**GD-1**
4	ER	220 kV Ponda Bus-1 220 kV Ponda-Xeldem-2 220 kV Mapusa- Ponda-1 220 kV Mahalaxmi-Amona 220/110 kV ICT-I at Ponda 220/110 kV ICT-II at Ponda	GEB	13-Aug-19	19:31	13-Aug-19	20:30	00:59	At 19:31hrs, 220 kV Ponda Bus-1 tripped as dropper of 220KV Ponda-Xeldem-2 fell on 220KV Bus-1 at Ponda(Goa) leading to tripping of 220KV Mapusa-Ponda- 1, 220KV Ponda-Xeldem-2 and 220KV Mahalaxmi-Amona (tripped at Amona end only) and 220/110KV ICT-1&2 at Ponda.	0	110	**GD-1**
5	NER	132 kV Rangia-Motonga line 132 kV Kamalpur-Kahelipara	Assam	13-Aug-19	16:35	13-Aug-19	16:44	00:09	132 kV Rangia and 132 kV Kamalpur Substations were connected with the rest of NER Grid through 132 kV Rangia-Motonga line and 132 kV Kamalpur-Kahelipara. At 16:35 Hrs on 13.08.2019, 132 kV Rangia-Motonga line and 132 kV Kamalpur-Kahelipara got tripped.Due to these trippings, Rangia and Kamalpur S/s were blacked out and subsequently collapsed due to no source in this area.	0	30	**GD-1**
6	NER	132 kV Pare – Ranganadi-2 132 kV Pare-Lekhi 132 kV Lekhi-Nirjuli	P, Arunachal Prad	15-Aug-19	19:27	15-Aug-19	19:54	00:27	132 kV Lekhi and 132 kV Nirjuli Substation were connected with the rest of NER Grid through 132 kV Pare-Lekhi line and 132 kV Lekhi-Nirjuli line (132 kV Gohpur-Nirjuli was under shutdown). At 19:27 Hrs on 15.08.2019, Bus Coupler at Pare tripped followed by 132 kV Pare – Ranganadi-2 ,132 kV Pare-Lekhi,132 kV Lekhi-Nirjuli and Pare Unit-1 as Bus -2 was dead at Pare due to loss of power.Due to these trippings, Lekhi and Nirjuli S/s were blacked out and subsequently collapsed due to no source in this area.	55	34	**GD-1**
7	NER	132 kV Badarpur- Kolasib 132 kV Aizawl - Kolasib	PG	16-Aug-19	14:13	16-Aug-19	14:38	00:25	Kolasib Area of Mizoram Power System is connected to the rest of the grid through 132 kV Badarpur - Kolasib line and 132 kV Aizawl - Kolasib line. At 14:13 Hrs on 16.08.2019, 132 kV Badarpur- Kolasib line and 132 kV Aizawl - Kolasib line tripped. Due to these trippings, Kolasib Area of Mizoram area was blacked out and subsequently collapsed due load- generation mismatch in the area.	27	0	**GD-1**
8	NR	220 kV Wazirabad – Mandola I 220 kV Wazirabad – Mandola III 220 kV Wazirabad – Mandola IV 220 kV Wazirabad – Geeta I. 220 kV Wazirabad – Geeta II. 220 kV Wazirabad – Kashmiri Gate I 220 kV Wazirabad – Kashmiri Gate II	DTL	17-Aug-19	09:51	17-Aug-19	10:25	00:34	As reported by Delhi SLDC, Kite thread fallen on 220 KV bus, caused busbar protection operated(Kite thread fallen on 220 KV bus, caused bus-bar protection operated) at Wazirabad sub-station, resulted into tripping of all 220 KV lines (07 Nos.) and due to loss of connectivity 180 MW (as per Delhi SLDC) load loss occurred at 220KV Wazirabad Sub-Station.	0	180	**GD-1**