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: 30th 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 19th Aug-2019 to 25th Aug-2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 19 अगस्त -2019 से 25 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 19th Aug-2019 to 25th 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 (19 अगस्त से 25 अगस्त 2019 तक) **रिपोर्टिंग तिथि:-** **30-Aug-19**

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्त 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)
19-08-2019	50195	1601	44964		38953		21141	54	2758	251	158011	1906
20-08-2019	52839	1288	45767	29	39087		22041		2855	168	162589	1485
21-08-2019	54493	1084	45774		38831		22131		2927	152	164156	1236
22-08-2019	54199	1587	45834		38672		22507		2934	192	164146	1779
23-08-2019	58356	797	45568		38017		21887		2759	213	166587	1010
24-08-2019	55429	532	43017		38189		21224		2871	160	160730	692
25-08-2019	51731	541	42448		35978		20628		2867	99	153652	640

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)
19-08-2019	1083	295	1032	95	896	154	430	124	53	22	3494	690
20-08-2019	1177	343	1052	110	896	149	462	131	56	21	3643	755
21-08-2019	1225	358	1059	107	905	143	490	123	58	20	3736	751
22-08-2019	1238	352	1056	101	886	132	489	121	58	20	3726	727
23-08-2019	1308	362	1063	96	882	126	463	122	53	21	3769	727
24-08-2019	1275	355	1024	93	893	120	445	139	54	22	3690	730
25-08-2019	1194	299	1001	91	862	78	426	143	54	19	3537	629

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
19-08-2019	10.90	12.27	69.11	18.62	49.99	0.052
20-08-2019	13.11	15.98	77.69	6.33	49.97	0.065
21-08-2019	5.46	5.91	77.70	16.39	50.00	0.032
22-08-2019	3.83	3.83	79.42	16.75	50.00	0.028
23-08-2019	1.46	1.46	81.59	16.96	50.01	0.020
24-08-2019	2.99	2.99	75.02	21.99	50.01	0.028
25-08-2019	3.76	4.21	73.95	21.84	50.01	0.031

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

4. NEW ELEMENTS COMMISSIONED

1.765/400 kV ICT-II at bhadla first time charged on 20-08-2019 at 16:56 hrs.

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

Region	Date	19-08-2019		20-08-2019		21-08-2019		22-08-2019		23-08-2019		24-08-2019		25-08-2019	
	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	30-08-2019	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	8008	0	8813	0	9389	0	10203	0	10449	0	10829	0	10391	0
	Haryana	7561	578	8528	0	8927	0	8993	0	9361	0	9105	0	8138	0
	Rajasthan	8494	0	9098	0	9691	0	10050	0	10353	0	10613	0	10180	0
	Delhi	5175	0	5353	0	5786	0	5509	0	5783	0	5616	0	4836	0
	UP	18909	0	19179	0	18608	0	18617	0	20476	170	19001	0	16975	0
	Uttarakhand	1683	0	1901	0	1846	0	1854	0	2048	0	1794	0	1683	0
	HP	1184	0	1218	0	1317	0	1326	0	1625	0	1371	0	1171	0
	J&K	1964	491	2086	522	2178	544	2108	527	2169	542	2129	532	2162	541
	Chandigarh	244	0	273	0	286	0	290	0	289	0	256	0	224	0
WR	Chhattisgarh	3972	0	3917	0	4041	0	4179	0	4139	0	4046	0	3815	0
	Gujarat	13627	0	13636	0	14040	0	13958	0	14019	0	12724	0	12851	0
	MP	7927	0	7817	0	7871	0	8017	0	7986	0	7665	0	7447	0
	Maharashtra	19022	0	19395	0	19586	0	19322	0	19168	0	19141	0	18520	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	332	0	339	0	347	0	329	0	342	0	321	0	301	0
	DNH	810	0	799	0	805	0	807	0	798	0	791	0	774	0
	Essar steel	305	0	317	0	408	0	363	0	361	0	353	0	334	0
SR	Andhra Pradesh	7595	0	7122	0	7029	0	6931	0	7242	0	7112	0	7163	0
	Telangana	10292	0	10326	0	10581	0	9720	0	9190	0	9775	0	9838	0
	Karnataka	8286	0	8234	0	8512	0	8678	0	8805	0	8375	0	7893	0
	Kerala	3397	0	3388	0	3331	0	3256	0	3133	0	3162	0	2899	0
	Tamil Nadu	13276	0	13294	0	13087	0	13109	0	12915	0	13312	0	11445	0
	Pondy	389	0	372	0	378	0	377	0	367	0	371	0	354	0
ER	Bihar	5410	0	5638	0	5520	0	5667	0	5694	0	5473	0	5571	0
	DVC	2883	0	3001	0	2979	0	2971	0	3128	0	2980	0	2835	0
	Jharkhand	1057	0	1249	0	1126	0	1246	0	1107	0	1151	0	1157	0
	Odisha	4487	0	4653	0	4972	0	4646	0	4527	0	4472	0	4242	0
	West Bengal	8233	0	8432	0	9095	0	8956	0	8410	0	8099	0	7561	0
	Sikkim	91	0	87	0	91	0	77	0	77	0	76	0	71	0
NER	Arunachal Pradesh	128	1	157	3	131	2	135	3	120	1	131	1	105	1
	Assam	1854	142	1865	113	1902	93	1858	85	1752	168	1896	120	1859	85
	Manipur	174	2	166	2	168	4	168	5	168	2	159	2	150	3
	Meghalaya	313	0	322	0	321	0	318	0	318	0	319	0	309	0
	Mizoram	96	1	96	5	96	1	94	2	92	1	95	1	77	2
	Nagaland	126	3	126	2	143	3	138	1	132	3	140	2	140	1
	Tripura	323	1	288	6	292	4	280	4	276	6	275	2	295	2

6. Energy Consumption in States (MUs)

Region	States	19-08-2019	20-08-2019	21-08-2019	22-08-2019	23-08-2019	24-08-2019	25-08-2019
NR	Punjab	163.9	192.4	209.5	221.9	239.1	245.6	239.4
	Haryana	157.5	176.4	187.7	189.8	200.7	195.7	175.1
	Rajasthan	180.9	196.9	215.6	222.0	231.7	237.9	229.1
	Delhi	103.8	110.9	117.8	115.7	117.0	110.1	102.1
	UP	379.4	388.0	379.5	372.6	400.1	368.5	341.6
	Uttarakhand	33.9	40.3	41.4	40.7	42.9	40.8	37.1
	HP	24.2	25.7	26.7	27.5	29.7	28.7	25.6
	J&K	34.8	41.0	41.2	41.8	41.6	42.5	39.5
	Chandigarh	4.8	5.1	5.5	5.7	5.6	5.1	4.3
WR	Chhattisgarh	94.5	94.0	94.2	96.9	97.5	95.0	90.8
	Gujarat	300.2	307.4	312.7	313.2	313.4	287.5	290.3
	MP	172.3	172.8	174.0	173.9	181.0	174.5	165.6
	Maharashtra	424.5	433.7	431.6	426.7	426.8	424.0	414.1
	Goa	11.7	11.8	11.9	11.9	11.9	11.3	10.2
	DD	7.4	7.6	7.6	7.3	7.6	7.4	5.7
	DNH	18.9	18.9	18.4	19.0	18.9	18.7	18.4
	Essar steel	2.8	6.2	8.2	7.1	5.9	5.8	6.2
SR	Andhra Pradesh	164.3	161.9	159.9	160.9	164.7	165.4	166.8
	Telangana	217.8	217.9	217.8	204.2	193.4	210.6	212.1
	Karnataka	158.5	160.1	169.0	168.4	168.0	160.0	155.9
	Kerala	65.6	67.4	67.2	65.7	63.9	64.6	58.4
	Tamil Nadu	282.0	281.3	283.3	279.8	284.2	284.2	261.3
	Pondy	7.5	7.4	7.7	7.4	7.5	7.9	7.4
ER	Bihar	104.7	110.7	111.8	114.5	110.8	100.7	103.1
	DVC	61.1	63.2	63.7	63.4	62.6	62.8	60.3
	Jharkhand	22.1	24.2	26.2	25.8	24.8	24.7	23.0
	Odisha	89.8	96.4	107.0	99.8	95.2	94.0	87.8
	West Bengal	151.8	166.7	180.0	184.4	168.6	161.6	151.5
	Sikkim	0.9	1.0	1.0	0.8	0.7	0.8	0.6
NER	Arunachal Pradesh	2.3	2.2	2.4	2.6	2.6	2.4	2.1
	Assam	34.2	36.0	38.0	37.2	33.2	34.8	35.1
	Manipur	2.4	2.6	2.5	2.9	2.1	2.5	2.4
	Meghalaya	5.2	5.7	5.4	5.4	5.5	5.5	5.4
	Mizoram	1.6	1.7	1.6	1.8	1.8	1.9	1.8
	Nagaland	2.4	2.4	2.5	2.6	2.7	2.5	2.4
	Tripura	4.9	5.0	5.3	5.3	5.1	4.4	4.6
ALL INDIA TOTAL		3494.5	3642.5	3735.8	3726.5	3768.7	3690.4	3537.4

30-08-2019

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

साप्ताहिक रिपोर्ट (19 अगस्त से 25 अगस्त 2019 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	19-08-2019	20-08-2019	21-08-2019	22-08-2019	23-08-2019	24-08-2019	25-08-2019
East to North	-62.5	-52.5	-37.3	-32.0	-35.2	-51.2	-67.7
East to West	69.6	76.3	92.1	83.4	79.9	71.9	56.7
East to South	-49.6	-36.8	-24.6	-23.9	-24.7	-35.7	-37.3
East to North-East	-20.9	-21.7	-19.0	-22.8	-22.5	-21.3	-24.3
North-East to North	-15.8	-14.1	9.4	-10.2	-11.6	-12.2	-13.9
West to North	-152.2	-155.5	-150.4	-175.0	-187.6	-145.0	-135.6
West to South	-23.1	-16.8	33.1	27.9	15.0	1.3	-1.7

भूटान , नेपाल एव बाग्लादेश के साथ अतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH

साप्ताहिक रिपोर्ट (19 अगस्त से 25 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)
19-08-2019	46.6	1940	-7.2	-393	-300	-26.3	-1133	-1095
20-08-2019	42.9	1787	-6.7	-404	-278	-26.4	-1131	-1102
21-08-2019	37.8	1573	-6.4	-367	-269	-26.6	-1139	-1108
22-08-2019	36.6	1526	-7.6	-414	-316	-26.4	-1117	-1100
23-08-2019	36.4	1515	-6.2	-426	-257	-25.1	-1102	-1048
24-08-2019	39.9	1660	-4.5	-323	-187	-25.0	-1098	-1040
25-08-2019	40.5	1687	-5.5	-386	-229	-25.8	-1117	-1077
कुल Total	**280.5**		**-44.0**			**-181.7**		

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	ER	132 KV Daltonganj-Daltonganj I 132 KV Daltonganj-Daltonganj II	JUSNL	21-Aug-19	21:31	21-Aug-19	22:12	00:41	At 21:31 Hrs, 132 KV Daltonganj-Daltonganj D/c tripped due to over current leading to a load loss of 54 MW in Daltonganj area.	0	54	**GD-1**
2	ER	400 KV Dikchu Rangpo 400 KV Dikchu Teesta III	TUL	21-Aug-19	00:02	21-Aug-19	06:16	00:23	At 00:02 hrs of 21.8.19,400 KV Rangpo Dikchu tripped from Rangpo end only.During this time ,there was no evacuation path left for Dikchu and Teesta III generators .So Teesta III end at 400 KV Dikchu Teesta III tripped on Overvoltage stage II and DT was received at Dikchu. As a result, total voltage loss at 400 Kv Dikchu and 400 KV Teesta III occurred and net generation of 1364 MW (Teesta III-1260,Dikchu-104 MW) were lost.	1364	0	**GD-1**
3	ER	220 kV Jorethung – New Melli I 220 kV Jorethung – New Melli II Jorethang(48MW*2)	DEPL	22-Aug-19	12:22	22-Aug-19	12:34	00:12	At 12:22 hrs, all running units of Jorethang (48 Mw*2) tripped due to loss of evacuation path followed by tripping of 220 kV Jorethung – New Melli D/C lines. : 220 kv Jorethang – New Melli I (Jorethang: B-n, Z1, FD 4.7 km, FC 0.118 kA; New Melli: B-n, FD 12.08 km,FC 0.67kA 220 kv Jorethung – New Melli II (Jorethang: B-n, Z1, FD 4.51KM,FC 0.586 kA,New Melli: NO TRIPPING.)	91	0	**GI-I**
4	ER	132 kV Pasighat-Roing line	DOP,AP	22-Aug-19	14:56	22-Aug-19	15:47	00:51	Roing area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kV Pasighat -Roing line. At 14:56 Hrs on 22.08.2019, 132 kV Pasighat-Roing line tripped. Due to tripping of these elements, Roing area with Tezu & Namsai area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	12	**GD-1**
5	NER	132 kV Silchar - Badarpur I 132 kV Silchar - Badarpur II 132 kV Badarpur - Khleihriatc 132 kV Badarpur - Panchgram 132 kV Panchgram - Hailakandi	Assam	22-Aug-19	18:51	22-Aug-19	19:16	00:25	Panchgram area of Assam Power System was connected with the rest of NER Grid through 132 kV Badarpur - Panchgram & 132 kV Panchgram - Hailakandi lines.(132 kV Lumshong-Panchgram and 132 kV Srikona-Pailapool were under shutdown). At 18:51 Hrs on 22.08.2019, 132 kV Silchar - Badarpur D/C, 132 kV Badarpur - Khleihriat, 132 kV Badarpur - Panchgram & 132 kV Panchgram - Hailakandi tripped.Due to tripping of these elements,132 kV Panchgram bus was blacked out and subsequently collapsed due to no source in this area.	0	20	**GD-1**
6	NER	132 kV Along-Pasighat	DOP,AP	24-Aug-19	12:45	24-Aug-19	12:50	00:05	Pasighat area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kV Along -Pasighat line (Owner- DoP, Arunachal Pradesh). At 12:45 Hrs on 24.08.2019, 132 kV Along-Pasighat line tripped. Due to tripping of this element, Pasighat area along with Roing, Tezu & Namsai areas were separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.	0	10	**GD-1**
7	NER	132 kV Lekhi- Pare	DOP,AP	25-Aug-19	12:25	25-Aug-19	12:44	00:19	Lekhi and Nirjuli areas of Arunachal Pradesh Power System and part of Gohpur load of Assam 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 Bus Coupler at Gohpur was kept opened for overloading of 132 kV Pare - Lekhi Line. At 12:25 Hrs on 25.08.19, 132 kV Lekhi- Pare line tripped. Due to tripping of this element, Lekhi and Nirjuli areas of Arunachal Pradesh Power System and part of Gohpur load of Assam Power System were separated from rest of NER Grid and subsequently collapsed due to no source in these areas	0	47	**GD-1**
8	NR	132 kV Lumshnong - Khleihriat	DOP,Meghalaya	25-Aug-19	13:01	25-Aug-19	13:17	00:16	Lumshnong area of Meghalaya Power System was connected with rest of NER Grid through 132 kV Lumshnong - Khleihriat line. 132 kV Lumshnong - Panchgram Line kept open for fulfillment of precondition of SPS-1 operation. At 13:01 Hrs on 25.08.19,132 kV Lumshnong - Khleihriat line tripped. Due to tripping of this element, Lumshnong area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	22	**GD-1**