



**National Load Despatch Centre**  
**POWER SYSTEM OPERATION CORPORATION LIMITED**  
(A wholly owned subsidiary of POWERGRID)  
CIN No.: U40105DL2009GOI188682  
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 26<sup>th</sup> July 2019

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 15<sup>th</sup> July-2019 to 21<sup>st</sup> July-2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 15 जुलाई-2019 से 21 जुलाई-2019, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 15<sup>th</sup> July-2019 to 21<sup>st</sup> July-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 ( 15 जुलाई से 21 जुलाई 2019 तक)

रिपोर्टिंग तिथि:- 26-Jul-19

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

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	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)
15-07-2019	48725	416	49049		40667		20988		2397	270	161826	686
16-07-2019	49017	632	49337		41780	20	20677		2632	199	163443	851
17-07-2019	50223	1733	49926		41446		21600		2652	189	165847	1922
18-07-2019	51010	2032	49827		40413		22130		2627	240	166007	2272
19-07-2019	53172	2481	48644		38792		21489		2747	184	164844	2665
20-07-2019	53529	1383	49386		39760		21595		2795	196	167065	1579
21-07-2019	52058	952	46486	39	36766		21579		2619	198	159508	1189

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०घ०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति (मि०घ०)	पनबिजली उत्पादन (मि०घ०)	ऊर्जा आपूर्ति (मि०घ०)	पनबिजली उत्पादन (मि०घ०)	ऊर्जा आपूर्ति (मि०घ०)	पनबिजली उत्पादन (मि०घ०)	ऊर्जा आपूर्ति (मि०घ०)	पनबिजली उत्पादन (मि०घ०)	ऊर्जा आपूर्ति (मि०घ०)	पनबिजली उत्पादन (मि०घ०)	ऊर्जा आपूर्ति (मि०घ०)	पनबिजली उत्पादन (मि०घ०)
15-07-2019	1180	342	1144	17	923	40	473	113	42	31	3763	542
16-07-2019	1106	347	1173	18	952	51	473	112	46	30	3749	558
17-07-2019	1128	309	1196	25	972	54	466	118	48	31	3810	537
18-07-2019	1180	328	1203	41	955	48	495	122	51	30	3884	569
19-07-2019	1239	334	1201	40	924	44	486	101	53	30	3903	549
20-07-2019	1277	340	1177	32	878	42	487	117	52	29	3871	560
21-07-2019	1262	336	1107	28	848	40	481	117	51	28	3749	550

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० घिड	ऑ० ई० घिड	ऑ० ई० घिड	ऑ० ई० घिड	ऑ० ई० घिड	ऑ० ई० घिड
15-07-2019	2.67	2.67	61.82	35.51	50.03	0.047
16-07-2019	2.73	2.73	68.11	29.16	50.03	0.043
17-07-2019	18.23	20.90	67.35	11.75	50.02	0.074
18-07-2019	16.24	17.72	76.16	6.12	49.97	0.057
19-07-2019	2.80	3.31	74.36	22.33	49.99	0.035
20-07-2019	4.54	5.16	70.20	24.64	49.99	0.040
21-07-2019	5.93	10.14	70.67	19.19	49.99	0.061

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 765 kV B/R-I at Fatehabad first time charged with spare Reactor on 21-07-2019 at 17:32 hrs.

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

Region	Date	15-07-2019		16-07-2019		17-07-2019		18-07-2019		19-07-2019		20-07-2019		21-07-2019	
	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	7593	0	6250	0	7308	0	8339	0	8816	0	9931	0	9689	0
	Haryana	8149	0	7610	0	7532	0	7739	0	8309	270	8248	0	7912	0
	Rajasthan	11917	0	11904	0	11632	0	11084	0	10966	0	11053	0	10723	0
	Delhi	5965	0	5001	0	4826	0	4656	0	5699	0	5508	0	5184	0
	UP	18136	0	17652	180	18149	1060	18388	1480	18989	410	19005	1420	20414	170
	Uttarakhand	1827	0	1701	0	1811	0	1914	0	1958	0	2081	0	1900	0
	HP	1384	0	1372	0	1413	0	1408	0	1399	0	1460	0	1299	0
	J&K	2084	521	2044	511	2172	543	2003	501	1974	494	2144	536	2062	515
	Chandigarh	222	0	205	0	235	0	247	0	260	0	263	0	273	0
WR	Chhattisgarh	4441	0	4632	0	4551	0	4414	0	4158	0	4596	0	4736	0
	Gujarat	16090	0	16427	0	16458	0	16742	0	17558	0	17577	0	15305	0
	MP	9267	0	9353	0	9634	0	9733	0	10097	0	9629	0	9478	0
	Maharashtra	19267	0	19703	0	20417	0	20583	0	19948	0	19185	0	18282	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	332	0	340	0	342	0	337	0	350	0	341	0	313	0
	DNH	796	0	809	0	797	0	800	0	799	0	810	0	777	0
	Essar steel	343	0	352	0	306	0	259	0	320	0	289	0	315	0
SR	Andhra Pradesh	8348	0	8408	0	8716	0	8671	0	7647	0	7396	0	7506	0
	Telangana	8105	0	8392	0	8739	0	8736	0	8487	0	7904	0	8086	0
	Karnataka	10179	0	10402	0	10496	0	10195	0	10244	0	9561	0	8657	0
	Kerala	3667	0	3562	0	3459	0	3105	0	2948	0	3004	0	2768	0
	Tamil Nadu	14156	0	14245	0	14178	0	14346	0	13750	0	13907	0	12558	0
	Pondy	365	0	406	0	413	0	383	0	372	0	373	0	352	0
ER	Bihar	4894	0	5065	0	5233	0	5445	0	5304	0	5391	0	5503	0
	DVC	3106	0	2960	0	3031	0	2979	0	3018	0	2980	0	3121	0
	Jharkhand	1216	0	1322	0	1222	0	1227	0	1287	0	1183	0	1188	0
	Odisha	4971	0	4575	0	4019	0	4789	0	4576	0	4613	0	4333	0
	West Bengal	9116	0	8732	0	9112	0	9309	0	9188	0	9450	0	9130	0
	Sikkim	59	0	101	0	82	0	95	0	100	0	78	0	68	0
NER	Arunachal Pradesh	129	3	118	2	116	2	123	1	126	2	140	1	122	3
	Assam	1423	250	1616	100	1652	148	1684	185	1760	154	1748	156	1622	88
	Manipur	164	2	160	2	168	3	151	3	191	1	180	2	152	7
	Meghalaya	305	0	310	0	315	0	317	0	317	0	326	0	312	9
	Mizoram	95	1	90	1	91	2	82	1	89	3	93	1	89	1
	Nagaland	134	1	141	2	127	3	120	2	125	2	128	2	129	4
	Tripura	218	5	267	4	285	9	254	10	267	6	297	11	297	17

## 6. Energy Consumption in States (MUs)

Region	States	15-07-2019	16-07-2019	17-07-2019	18-07-2019	19-07-2019	20-07-2019	21-07-2019
NR	Punjab	166.0	133.7	147.9	177.2	192.9	206.0	211.6
	Haryana	175.3	157.5	147.1	148.6	171.8	177.1	171.5
	Rajasthan	256.5	264.3	261.6	245.1	240.0	244.3	240.5
	Delhi	118.5	108.0	91.6	100.6	108.6	111.1	105.6
	UP	353.6	331.6	363.8	390.3	407.1	415.0	418.2
	Uttarakhand	37.8	36.5	39.1	41.2	42.4	44.6	41.2
	HP	28.3	28.3	29.1	29.3	29.5	30.3	28.0
	J&K	39.9	41.3	43.0	42.7	41.5	43.1	40.5
	Chandigarh	4.4	4.3	4.7	5.0	5.3	5.5	5.2
WR	Chhattisgarh	104.7	105.6	105.8	102.1	98.7	101.8	108.5
	Gujarat	362.2	368.8	372.6	379.3	390.7	387.4	339.6
	MP	202.0	209.7	216.6	218.7	218.6	213.6	209.9
	Maharashtra	432.0	444.6	457.9	460.0	449.2	430.9	405.6
	Goa	11.3	11.4	11.4	11.4	11.4	11.4	11.4
	DD	7.4	7.7	7.7	7.7	7.8	7.7	7.2
	DNH	18.7	18.9	18.8	18.9	18.8	18.9	19.1
	Essar steel	5.8	6.2	5.3	5.2	5.6	5.4	5.5
SR	Andhra Pradesh	172.3	178.1	181.9	179.2	169.0	165.5	164.9
	Telangana	174.7	182.5	185.7	183.3	182.0	165.9	170.3
	Karnataka	194.8	201.1	202.6	199.3	195.4	186.6	168.0
	Kerala	70.0	70.0	69.2	66.6	61.3	60.5	56.0
	Tamil Nadu	303.6	312.7	324.5	318.3	308.9	291.4	282.4
	Pondy	7.6	8.2	8.4	8.3	7.8	7.9	6.5
ER	Bihar	89.3	95.7	97.7	104.5	106.1	105.8	109.9
	DVC	67.7	66.4	65.9	67.9	67.1	67.6	64.5
	Jharkhand	26.4	26.5	25.6	25.8	26.1	26.9	27.4
	Odisha	107.6	103.0	91.6	101.1	96.0	95.5	95.3
	West Bengal	181.7	180.8	183.8	194.7	188.9	190.0	182.7
	Sikkim	0.7	0.5	1.0	1.2	1.5	1.2	1.0
NER	Arunachal Pradesh	2.4	2.4	2.4	2.0	2.1	2.2	2.2
	Assam	24.5	27.3	28.4	32.0	33.6	33.0	30.4
	Manipur	2.5	2.4	2.5	2.5	2.6	2.5	2.5
	Meghalaya	5.1	5.3	5.7	5.3	5.6	5.7	5.6
	Mizoram	1.7	1.7	1.8	1.7	1.6	1.5	1.8
	Nagaland	2.1	2.3	2.3	2.1	2.5	2.3	2.3
	Tripura	3.9	4.2	5.3	5.0	4.7	5.0	6.2
<b>ALL INDIA TOTAL</b>		<b>3762.9</b>	<b>3749.3</b>	<b>3810.4</b>	<b>3883.8</b>	<b>3902.8</b>	<b>3871.0</b>	<b>3749.0</b>

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

साप्ताहिक रिपोर्ट ( 15 जुलाई से 21 जुलाई 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	15-07-2019	16-07-2019	17-07-2019	18-07-2019	19-07-2019	20-07-2019	21-07-2019
East to North	-61.9	-55.1	-69.1	-89.8	-80.4	-99.4	-83.0
East to West	88.4	84.2	71.4	76.8	67.0	61.0	51.9
East to South	-66.9	-73.5	-75.9	-72.2	-64.7	-45.5	-41.8
East to North-East	1.4	1.7	-2.2	-1.7	1.0	-6.9	-12.0
North-East to North	-18.5	-19.8	-23.3	-22.3	-17.4	-23.5	-27.4
West to North	-104.7	-72.3	-98.6	-111.0	-134.2	-157.1	-156.0
West to South	-21.2	-40.2	-46.0	-45.1	-33.8	2.8	-8.4

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

**साप्ताहिक रिपोर्ट ( 15 जुलाई से 21 जुलाई 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			बाग्लादेश BANGLADESH		
	Energy Exchange	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
15-07-2019	43.2	1801	-2.3	-112	-95	-25.2	-1077	-1049
16-07-2019	42.5	1772	-2.4	-241	-99	-24.1	-1102	-1002
17-07-2019	36.6	1526	-3.6	-281	-150	-24.7	-1116	-1028
18-07-2019	37.8	1573	-4.5	-343	-187	-22.0	-1124	-918
19-07-2019	36.0	1499	-5.8	-379	-241	-25.4	-1116	-1060
20-07-2019	34.9	1453	-2.0	-223	-85	-25.9	-1136	-1078
21-07-2019	36.3	1513	-3.0	-308	-125	-26.0	-1126	-1084
<b>कुल Total</b>	<b>267.3</b>		<b>-23.6</b>			<b>-173.3</b>		

**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	NER	132 kV Kohima - Wokha T/L	Nagaland	17-Jul-19	18:19	17-Jul-19	18:28	00:09	At around 18:19 Hrs of 17/07/2019, 132 kV Kohima - Wokha line tripped and resulted in blackout at 132 kV Kohima Bus at Nagaland state. Due to this incident, load loss of around 42 MW is observed at Kohima (Nagaland) area . No generation loss is observed	Nil	42	GD-1
2	NER	132 kV Monarchak - Rokhia 132 kV Rokhia - Agartala Ckt-I 132 kV Rokhia - Agartala Ckt-II	TSECL	18-Jul-19	07:11	18-Jul-19	07:25	00:14	Tripura Power System excluding Part of Tripura Power System was connected with rest of NER Grid through 132 kV Monarchak -Udaipur T/L,132 kV Monarchak-Rokhia line, 132 kV Agartala - Rokhia I & II lines,132 kV Udaipur - Palatana line (132kV Palatana - Udaipur line was under shutdown). At 07:11 Hrs of 18/07/2019, 132 kV Monarchak - Rokhia T/L, 132 kV Rokhia - Agartala D/C tripped along with Monarchak STG & GTG causing blackout of 132 kV Monarchak, Rokhia and Udaipur buses. Monarchak GTG & STG tripped due to voltage jerk. Rokhia U#7, U#8, U#9 desynced due to loss of evacuation path, Resulting into blackout of Monarchak, Rokhia, Udaipur and Rabindarnagar areas.	133	24	GD-1
3	NER	132 kV Kohima-Wokha 132 kV Karong-Imphal	Nagaland/Manipur	19-Jul-19	13:00	19-Jul-19	13:14	00:14	Capital area of Nagaland Power System and Karong area of Manipur were connected with rest of NER Grid through 132 kV Kohima -Wokha line, 132kV Karong-Imphal line and 132 kV Karong-Kohima line (132 kV Dimapur-Kohima was under Emergency Shutdown ,66 kV Tuensang - Likhimro line is kept open due to construction activities.) At 13:00 Hrs on 19.07.19, 132 kV Kohima-Wokha and 132 kV Karong-Imphal line tripped. Due to tripping of this element, Capital area of Nagaland Power System and Karong area of Manipur were separated from rest of NER Grid and subsequently collapsed due to no source in this area	0	14	GD-1
4	NER	132 kV Melriat(PG)-Zuanguit 132 kV Aizawl-Melriat	PG/Mizoram	19-Jul-19	12:15	19-Jul-19	12:40	00:25	Zuanguit area of Mizoram Power System was connected with rest of NER Grid through 132 kV Melriat(PG)-Zuanguit line and 132 kV Aizawl-Melriat line At 12:15 Hrs on 19.07.19, 132 kV Melriat(PG)-Zuanguit line and 132 kV Aizawl-Melriat line tripped due to operation of Local Breaker Back-up protection in Melriat substation during the testing of 132 kV Silchar-Melriat I resulting in power loss in Zuanguit area of Mizoram state. Due to tripping of these elements, Zuanguit area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	28	GD-1
5	WR	220kV KUKMA-PANANDHRO Ckt-1 220kV KUKMA-PANANDHRO Ckt-2 220kV MAIN BUS 1 PANANDHRO 220kV MAIN BUS COUPLER PANANDHRO 220kV MAIN BUS 2 PANANDHRO 220/6.6KV ST-1 PANANDHRO 220/6.6KV ST-2 PANANDHRO 220/66KV 50MVA ICT-1 PANANDHRO 220/66KV 50MVA ICT-2 PANANDHRO 220kV AKRIMOTA- NAKHATRANA Ckt-1 220kV BUS-A AKRIMOTA 220kV BUS-B AKRIMOTA 220kV AKRIMOTA-NAKHATRANA Ckt-2 220kV AKRIMOTA-PANANDHRO Ckt-1 220kV AKRIMOTA-PANANDHRO Ckt-2	ALTPS/KLTPS	21-Jul-19	15:50	21-Jul-19	16:15	00:25	220kV Bus 2 and Nakhtrana 2 at ALTPS were under shutdown, 220kV Bus 1 and Nakhtrana ckt 1 got tripped resulted in complete outage at ALTPS station . ALTPS units 1 & 2 , 220kV ALTPS-KLTPS ckt 1&2 tripped also got tripped . At the same time KLTPS - Kukma ckt 1&2 tripped on reflection fault. 220kV KLTPS-Nakhtrana ckt 1&2 were under outage due to tower collapse. Hence due to loss of all evacuation lines from KLTPS, units 1&4 at KLTPS tripped.	217	0	GI-1