

# 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: 11th July 2019

To

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 01st July-2019 to 07th July-2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 01 जुलाई-2019 से 07 जुलाई-2019, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ 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 01<sup>st</sup> July-2019 to 07<sup>th</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 ( 01 जुलाई से 07 जुलाई 2019 तक)

रिपोर्टिंग तिथि:-

11-Jul-19

(आई॰ ई॰ जी॰ सी॰ की धारा संख्या-5.5.1 के अंतर्गत)

क्षेत्र	उत्तरी क्ष	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		<b>ह</b> ल	
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	
	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	(मे॰वा॰)	
01-07-2019	60971	1203	43678		40454		19394		2752	189	167249	1392	
02-07-2019	61149	522	42868		40595		18933		2812	130	166357	652	
03-07-2019	62627	839	43546		42143		19180		2811	134	170307	973	
04-07-2019	56715	387	43858	9	42025		19006		2846	149	164450	545	
05-07-2019	56661	397	42875		41059		19843		2880	140	163318	537	
06-07-2019	55806	485	42574		41051		19112		2325	474	160868	959	
07-07-2019	54296	506	41390		38126		17912		2474	215	154198	721	

### 2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि॰यू॰)

क्षेत्र	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
1	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन
तिथि	(मि॰य्॰)	(मि॰यू॰)	(मि॰य्॰)	(मि॰य्॰)	(मि॰य्॰)	(मि॰य्॰)	(मि॰य्॰)	(मि॰यू॰)	(मि॰य्॰)	(मि॰यू॰)	(मि॰यू॰)	(मि॰य्॰)
01-07-2019	1493	364	1000	12	919	40	438	87	53	21	3902	524
02-07-2019	1461	362	1000	11	936	36	416	92	52	21	3864	522
03-07-2019	1491	365	989	13	940	41	433	93	51	37	3905	548
04-07-2019	1439	377	994	12	957	33	454	91	55	19	3898	532
05-07-2019	1364	374	989	11	943	30	457	98	54	19	3807	533
06-07-2019	1308	351	979	14	932	29	431	104	50	17	3700	515
07-07-2019	1284	370	949	12	887	30	397	112	45	22	3562	546

#### 3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
เตเน	ऑo इंo ग्रिड					
01-07-2019	7.31	7.31	73.53	19.16	50.00	0.037
02-07-2019	4.64	4.69	78.40	16.91	50.00	0.030
03-07-2019	12.07	12.59	70.08	17.33	49.99	0.049
04-07-2019	9.29	11.02	60.54	28.44	50.00	0.063
05-07-2019	4.80	5.10	68.78	26.11	50.01	0.041
06-07-2019	3.81	3.81	68.39	27.80	50.02	0.036
07-07-2019	2.75	2.75	61.89	35.36	50.03	0.063

<sup>\*</sup>NEW & SR grid running in synchronisation.

#### 4. NEW ELEMENTS COMMISSIONED

- 1. 400 kV Bikaner (PG)-Bikaner (Raj) first time charged on 01-07-2019 at 17:28 hrs.
- 2. 400 kV Bikaner (PG) bus-II first time charged on 01-07-2019 at 17:43 hrs.
- 3. 400 kV Bhadla-Bikaner first time charged on 02-07-2019 at 10:36 hrs.
- 4. 765 kV Bikaner Bus-II & 765 kV Bikaner ICT-I (1500 MVA) first time charged on 03-07-2019 at 17:10 hrs.
- 5. 765 kV Ajmer-Bikaner-II alongwith 240 MVAR L/R at Ajmer & 330 MVAR L/R at Bikaner end first time charged on 03-07-2019 at 19:48 hrs.

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

	Date	01-07	-2019	02-07	-2019	03-07	-2019	04-07	-2019	05-07	-2019	06-07-2	019	07-07	7-2019
Region	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
	Punjab	13027	0	13008	0	13041	0	12900	0	12955	0	12418	0	12166	0
	Haryana	10699	0	10675	0	10850	125	10748	0	9393	0	9633	0	9206	0
	Rajasthan	11399	0	10985	0	11017	0	11049	0	9928	0	9814	0	9097	0
	Delhi	7135	0	7254	0	6977	0	6877	0	6118	0	5908	0	6192	0
NR	UP	21165	410	20589	0	20648	340	20770	0	19745	0	19040	0	18607	0
	Uttarakhand	2158	0	2111	0	2128	0	2051	0	2046	0	2021	0	1893	0
	HP	1444	12	1450	0	1499	0	1403	0	1424	0	1427	0	1176	0
	J&K	2150	538	2019	505	2006	354	2177	544	2170	543	2029	507	2144	536
	Chandigarh	376	0	380	0	367	0	313	0	325	0	312	0	298	0
	Chhattisgarh	3442	0	3191	0	3313	0	3544	0	3453	0	3373	0	3494	0
	Gujarat	15189	0	15436	0	15030	0	13988	0	14361	0	14561	0	13331	0
	MP	7987	0	7471	0	7428	0	7484	0	6961	0	7030	0	7209	0
WR	Maharashtra	16937	0	17130	0	17477	0	17761	7	18021	0	17150	0	16561	0
VVIX	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	298	0	320	0	335	0	336	0	341	0	327	0	326	0
	DNH	744	0	760	0	800	0	810	0	794	0	800	0	771	0
	Essar steel	249	0	274	0	284	0	292	0	283	0	326	0	374	0
	Andhra Pradesh	7940	0	8089	0	8164	0	8564	0	8343	0	8288	0	8103	0
	Telangana	6910	0	6824	0	7085	0	7240	0	7388	0	7073	0	6863	0
SR	Karnataka	9322	0	9829	0	9905	0	10006	0	10065	0	9235	0	8902	0
JI.	Kerala	3831	0	3802	0	3696	0	3659	0	3594	0	3554	0	3379	0
	Tamil Nadu	15477	0	15354	0	15719	0	15850	0	15727	0	15402	0	13642	0
	Pondy	418	0	395	0	436	0	457	0	450	0	444	0	423	0
	Bihar	5392	0	4903	0	5286	0	5542	0	5540	0	5339	0	4914	0
	DVC	3111	0	3001	0	3029	0	3157	0	3083	0	3046	0	3058	0
ER	Jharkhand	1070	0	1000	0	1022	0	1000	0	1035	0	1020	0	1016	0
LIV	Odisha	3434	0	3800	0	3926	0	3864	0	4018	0	3986	0	3877	0
	West Bengal	8493	0	8098	0	8285	0	8796	0	8596	0	8253	0	7648	0
	Sikkim	89	0	93	0	93	0	94	0	97	0	89	0	72	0
	Arunachal Pradesh	124	2	130	1	128	1	139	0	128	4	124	2	125	2
	Assam	1764	136	1762	109	1789	82	1797	81	1801	58	1457	20	1523	194
	Manipur	172	2	174	3	167	2	154	2	158	4	168	1	157	3
NER	Meghalaya	310	0	339	0	330	0	332	0	341	7	312	0	317	0
	Mizoram	93	3	90	1	97	1	94	1	91	6	88	2	76	2
	Nagaland	126	1	126	3	132	2	137	2	144	3	143	2	118	2
	Tripura	275	2	262	4	278	1	287	2	311	12	245	5	253	0

## 6. Energy Consumption in States (MUs)

Region	States	01-07-2019	02-07-2019	03-07-2019	04-07-2019	05-07-2019	06-07-2019	07-07-2019
	Punjab	290.1	282.1	300.0	289.9	284.4	271.4	270.0
	Haryana	228.1	223.9	237.2	208.2	205.8	210.4	199.5
	Rajasthan	247.9	237.5	242.7	237.3	220.9	218.1	201.3
	Delhi	145.2	147.1	145.3	139.2	126.4	122.3	119.6
NR	UP	454.3	441.3	433.9	441.2	403.0	364.9	377.9
	Uttarakhand	46.5	45.4	47.0	45.2	45.1	44.2	42.2
	НР	29.6	30.6	31.8	30.0	29.9	29.9	25.0
	J&K	44.4	45.6	45.9	41.6	41.9	41.0	43.0
	Chandigarh	7.2	7.2	7.4	6.1	6.5	6.0	5.6
	Chhattisgarh	80.8	73.1	73.8	79.8	81.1	77.9	79.0
	Gujarat	330.7	339.0	331.1	318.1	322.7	321.8	305.1
	MP	172.7	167.2	156.6	161.1	157.7	154.9	157.1
WR	Maharashtra	376.7	380.3	387.0	392.8	386.3	382.6	367.1
***	Goa	10.0	10.0	10.0	10.0	10.0	10.0	10.5
	DD	6.6	7.1	7.5	7.5	7.6	7.5	6.7
	DNH	17.4	17.8	18.5	18.8	18.6	18.6	17.3
	Essar steel	4.7	5.1	4.7	5.3	5.1	5.5	6.7
	Andhra Pradesh	169.9	171.9	171.4	179.4	169.3	179.4	175.1
	Telangana	144.8	145.5	146.3	152.5	152.5	150.4	147.3
SR	Karnataka	184.6	192.6	195.9	195.4	191.5	183.5	172.9
) SK	Kerala	76.4	77.1	75.2	73.4	72.8	72.7	65.4
	Tamil Nadu	334.9	339.7	342.8	346.7	347.2	336.3	317.2
	Pondy	8.4	8.7	8.9	9.4	9.5	9.5	8.7
	Bihar	104.7	92.6	99.3	106.2	107.8	101.6	83.7
	DVC	64.6	63.2	65.3	66.3	65.5	64.0	65.3
ER	Jharkhand	23.4	20.2	21.9	22.7	23.4	22.6	21.5
EK	Odisha	76.5	74.6	80.4	81.6	81.0	79.7	80.6
	West Bengal	167.6	164.7	164.8	176.1	177.9	161.8	144.9
	Sikkim	1.1	1.2	1.2	1.2	1.2	1.0	0.8
	<b>Arunachal Pradesh</b>	2.3	2.2	2.2	2.4	2.2	2.1	2.2
	Assam	33.0	31.7	30.9	35.0	34.0	30.9	26.8
	Manipur	2.5	2.6	2.4	2.5	2.6	2.3	2.4
NER	Meghalaya	5.6	6.0	6.2	5.9	5.8	5.6	5.9
	Mizoram	1.9	1.7	1.7	1.7	2.0	1.7	1.4
	Nagaland	2.3	2.2	2.6	2.5	2.2	2.0	2.1
	Tripura	5.3	4.8	5.0	5.1	5.6	5.2	4.3
AL	L INDIA TOTAL	3902.4	3863.7	3904.7	3898.3	3806.9	3699.3	3561.8

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

साप्ताहिक रिपोर्ट ( 01 जुलाई से 07 जुलाई 2019 तक)

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(आई० ई० जी० सी०	आई॰ ई॰ जी॰ सी॰ की धारा संख्या-5.5.1 के अंतर्गत)												
7. अंतर्क्षेत्रीय विनि	. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-) ]												
दिनांक	01-07-2019	02-07-2019	03-07-2019	04-07-2019	05-07-2019	06-07-2019	07-07-2019						
East to North	-97.5	-106.7	-96.8	-87.4	-78.0	-80.5	-94.7						
East to West	38.6	40.5	47.1	62.4	77.5	77.2	76.2						
East to South	-53.5	-64.0	-63.0	-63.8	-64.6	-79.0	-66.7						
East to North-East	-10.6	-7.0	-6.8	-10.0	-12.3	-10.7	-11.0						
North-East to North	-14.3	-12.4	-12.3	-12.1	-12.0	-12.3	-16.7						
West to North	-210.5	-226.2	-234.3	-218.5	-190.0	-182.1	-163.0						
West to South	-9.3	-2.0	4.0	-11.2	-26.3	-26.8	-10.0						

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

साप्ताहिक रिपोर्ट (01 जुर्लाई) से 07 जुलाई 2019 तक)

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

	भूटान BHUT	AN		नेपाल NEPAL		बांग्ल	गदेश BANGLAI	DESH
दिनांक Date	Energy	Day Average	Energy	Day Peak	Day Average	Energy	Day Peak	Day Average
	Exchange	(MW)	Exchange	(MW)	(MW)	Exchange	(MW)	(MW)
01-07-2019	18.0	748	-9.8	-528	-409	-23.2	-1060	-965
02-07-2019	18.7	779	-9.4	-500	-391	-25.0	-1064	-1041
03-07-2019	23.2	965	-10.3	-576	-430	-25.0	-1058	-1042
04-07-2019	19.5	812	-10.4	-535	-432	-24.8	-1065	-1035
05-07-2019	22.2	927	-10.1	-550	-422	-25.3	-1075	-1055
06-07-2019	29.8	1240	-8.2	-480	-342	-23.2	-1079	-967
07-07-2019	34.8	1450	-6.7	-500	-279	-23.9	-1110	-996
कुल Total	166.1		-64.9			-170.4		

					8). Ma	ajor Grid In	cidenc	es (Provis	ional):-			
S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outag	ge Time	Revival	Time	Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
1	NER	132 kV Lekhi-Nirjuli 132 kV Lekhi-Pare	APDOP	43647	0.9931	43648	0.003472	0.010416667	Lekhi area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Lekhi - Nijulii Line and 132 kV Lekhi-Pare Line. 132 kV Lekhi-Hznagar Line was kept open due to CT problem at Lekhi and and 322 kV Nijulii Cohpur Line was kept open for system requirement. At 235 0H so on 10.7.19, 132 kV Lekhi-Nijuli Line and 132 kV LekhiPare Line tripped. Due to tripping of these elements, Lickhi area of Arunachan est of NER Grid and Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area	0	35	GD-1
2	NER	132 kV Monarchak - Rokhia line	APDOP/TSEC L	43647	0.1146	43647	0.132639	0.018055556	Udajpur area of Tripura Power System and Monarchak Power Station were connected with rest of NER Grid through 132 kV Monarchak - Udajpur line.132 kV Udajpur- Palatana Line was idle charged to restrict loading of 125 MVA ICT lat 14 Palatana. At 02.45 Hs on 01.07.19, 132 kV Monarchak - Robina line tripped. Due to tripping of this fement, Udajpur area of Tripura Power System and Monarchak Power Station were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch	39	37	GD-1
3	NER	132 kV Melriat[PG]-Zuantul	Mizoram	43648	0.7604	43648	0.776389	0.015972222	Zuangtui area of Mizoram Power System was connected with rest of NER Grid through 132 kM belieffo5/Zuangtui line.  18.18.15 hrs on 20.27.19.132 kV MeiratHigh-Zuantui T/L tripped (MeiriatB ph, Z-1, 4.78 km, Zunatui-E/P) resulting in power loss in Zuangtui area of Mizoram state Due to tripping of these elements, Zuangtui area of Mizoram state Due to tripping of these elements, Zuangtui area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area	0	50	GD-1
4	NR	1) 400 KV Bus I & II at Jodhpur 2) 315 MVA ICT-I & II Jodhput 3) 400 kV Jodhpur-Kankani-I & II 4) 400 kV Jodhpur-Kankroli 5) 400 kV Jodhpur-Bhadla 6) 400 kV Jodhpur-Akal 7) 400 kV Jodhpur-Rajuwet	RRVPNL	43649	0.6757	43649	0.688194	0.0125	As reported by Rajasthan SLDC, due to heavy storm and rain Bus Post Insulator of Bus-1 broken and fall down on other live conductor. Bus bar protection of 400 kV Bus-1 & II operated and all 400 kV lines and ICT tripped.	0	0	GI-1