



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: 21<sup>st</sup> June 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
- 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
- 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
- कार्यपालक निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 10<sup>th</sup> June 2019 to 16<sup>th</sup> June 2019.

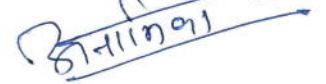
महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 10 जून 2019 से 16 जून 2019, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 10<sup>th</sup> June 2019 to 16<sup>th</sup> June 2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

  
f GM (SO)

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

साप्ताहिक रिपोर्ट (10 जून से 16 जून 2019 तक)

रिपोर्टिंग तिथि:- 21-Jun-19

(आई० ई० जी० सी० की धारा संख्या-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	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
10-06-2019	57100	718	49311		41601		19621		2639	149	170272	867
11-06-2019	58158	1092	50642		42951		21079		2780	89	175610	1181
12-06-2019	45592	585	46860		42001		18285		2733	165	155471	750
13-06-2019	59878	860	46115		41428		20586		2782	139	170789	999
14-06-2019	59914	490	48708		43115		21070		2685	209	175492	699
15-06-2019	55528	723	46558		42954		19482		2642	142	167164	865
16-06-2019	53200	886	44814		40011		19933		2540	204	160498	1090

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)
10-06-2019	1384	337	1213	16	935	41	472	91	50	17	4054	502
11-06-2019	1415	344	1225	16	954	34	478	81	52	18	4124	493
12-06-2019	1280	336	1186	11	957	34	465	85	56	18	3944	484
13-06-2019	1355	344	1102	9	958	34	428	78	54	18	3897	483
14-06-2019	1445	341	1135	9	976	47	487	66	51	16	4093	479
15-06-2019	1412	334	1143	9	982	39	468	81	51	18	4056	481
16-06-2019	1281	336	1101	11	965	47	458	89	50	18	3855	500

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड
10-06-2019	16.00	20.56	71.34	8.10	49.96	0.083
11-06-2019	9.80	13.17	64.32	22.51	49.99	0.067
12-06-2019	5.34	6.35	60.97	32.67	50.02	0.059
13-06-2019	4.79	4.92	61.28	33.80	50.02	0.041
14-06-2019	11.02	12.14	71.39	16.47	49.99	0.052
15-06-2019	2.66	2.74	60.98	36.27	50.03	0.058
16-06-2019	0.76	0.76	69.50	29.73	50.03	0.068

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

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

Region	Date	10-06-2019		11-06-2019		12-06-2019		13-06-2019		14-06-2019		15-06-2019		16-06-2019	
	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	9478	0	9657	0	9234	0	11280	0	11041	0	11550	0	11325	0
	Haryana	9407	0	9303	88	8685	0	9061	0	9355	0	9293	0	8514	0
	Rajasthan	12114	0	12395	0	12251	0	11518	0	11798	0	11605	0	10566	0
	Delhi	6602	0	6711	0	6795	0	6731	0	6537	0	6515	0	6389	0
	UP	20749	690	21138	540	20771	170	20495	550	21172	540	21103	340	20220	0
	Uttarakhand	2160	0	2246	0	2022	0	2082	0	2101	0	2107	0	2014	0
	HP	1391	0	1406	0	1451	0	1418	0	1478	0	1477	0	1283	0
	J&K	2158	540	2305	576	2303	576	2278	569	2122	530	2300	575	2237	559
	Chandigarh	336	0	351	0	322	0	322	0	330	0	315	0	283	0
WR	Chhattisgarh	3973	0	4013	0	3936	0	3969	0	3982	0	3720	0	3627	0
	Gujarat	18207	0	18207	0	17553	0	13823	0	15335	0	15350	0	14674	0
	MP	9628	0	9849	0	9704	0	9307	0	9206	0	9054	0	8577	0
	Maharashtra	21767	0	21830	0	20443	0	20548	0	20337	0	20631	0	20799	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	295	0	292	0	330	0	339	0	344	0	342	0	308	0
	DNH	752	0	737	0	709	0	725	0	722	0	744	0	734	0
	Essar steel	327	0	275	0	310	0	308	0	309	0	346	0	346	0
SR	Andhra Pradesh	8459	0	9050	0	9278	0	9499	0	9193	0	9575	0	9435	0
	Telangana	7848	0	7949	0	7675	0	7852	0	7890	0	7763	0	7498	0
	Karnataka	9610	0	9305	0	8648	0	9062	0	9650	0	9869	0	9694	0
	Kerala	3348	0	3379	0	3223	0	3260	0	3598	0	3584	0	3564	0
	Tamil Nadu	15069	0	15734	0	15707	0	15287	0	15875	0	15609	0	15244	0
	Pondy	430	0	436	0	448	0	424	0	430	0	435	0	406	0
ER	Bihar	4676	0	4922	0	4823	0	5269	0	5334	0	5209	0	5253	0
	DVC	3110	0	3026	0	2975	0	3292	0	3348	0	3018	0	2975	0
	Jharkhand	1126	0	1149	0	1000	0	1161	0	1113	0	1001	0	1204	0
	Odisha	4428	0	4937	0	5262	0	4336	0	4581	0	4234	0	3965	0
	West Bengal	8972	0	8899	0	8838	0	9211	0	9989	0	9068	0	9320	0
	Sikkim	91	0	96	0	98	0	97	0	93	0	90	0	70	0
NER	Arunachal Pradesh	144	0	125	5	128	4	128	3	129	2	122	1	114	2
	Assam	1692	46	1766	35	1750	38	1779	121	1673	142	1700	93	1579	125
	Manipur	173	1	182	6	180	5	177	2	156	4	162	4	161	2
	Meghalaya	327	0	341	2	345	3	342	0	333	0	337	0	330	0
	Mizoram	92	0	89	4	85	4	85	1	86	1	94	2	93	3
	Nagaland	123	2	133	5	130	6	129	2	131	3	124	3	127	1
	Tripura	279	2	292	9	306	8	273	0	267	5	239	2	289	8

## 6. Energy Consumption in States (MUs)

Region	States	10-06-2019	11-06-2019	12-06-2019	13-06-2019	14-06-2019	15-06-2019	16-06-2019
NR	Punjab	203.3	210.1	185.6	228.6	256.0	240.2	237.6
	Haryana	194.8	199.8	176.2	185.3	203.2	201.3	165.9
	Rajasthan	269.8	278.0	265.9	244.4	257.8	257.9	223.1
	Delhi	136.7	139.1	135.2	136.1	134.7	130.7	117.9
	UP	449.6	461.2	403.0	430.6	453.9	450.6	413.3
	Uttarakhand	46.2	48.1	38.4	45.5	53.2	46.9	42.7
	HP	29.3	30.1	29.2	30.2	30.8	31.1	27.8
	J&K	47.7	42.0	41.0	48.3	48.9	46.9	46.8
	Chandigarh	6.3	6.7	6.0	6.2	6.5	6.1	5.7
WR	Chhattisgarh	92.4	91.5	92.2	92.1	92.8	89.6	86.9
	Gujarat	398.0	398.0	368.3	302.6	328.7	342.9	325.4
	MP	221.9	225.2	221.2	210.1	211.2	203.4	191.1
	Maharashtra	459.6	471.4	463.4	457.8	460.8	464.0	455.8
	Goa	11.9	11.9	11.9	10.4	11.5	11.5	11.5
	DD	6.4	5.3	7.1	7.4	7.6	7.6	7.0
	DNH	17.4	16.6	16.5	16.0	16.9	17.4	17.3
	Essar steel	5.1	5.3	5.3	5.1	5.4	6.6	6.4
SR	Andhra Pradesh	181.0	191.0	197.3	198.4	198.7	201.8	197.6
	Telangana	165.1	169.3	169.2	168.5	169.8	168.4	166.4
	Karnataka	187.2	185.6	179.2	178.9	190.3	198.1	192.8
	Kerala	65.8	67.2	64.6	64.5	69.0	71.9	69.0
	Tamil Nadu	327.3	332.0	337.6	338.7	339.2	332.9	330.6
	Pondy	8.7	8.8	9.2	8.9	8.8	9.1	8.5
ER	Bihar	96.9	90.2	87.6	86.7	108.2	106.1	110.7
	DVC	66.9	67.2	64.8	66.8	67.3	66.5	65.8
	Jharkhand	27.3	27.2	24.6	23.1	26.8	27.3	26.4
	Odisha	94.2	105.6	102.9	82.2	92.3	87.1	77.4
	West Bengal	186.0	186.4	184.3	168.4	190.8	180.4	177.0
	Sikkim	1.2	1.2	1.4	1.3	1.3	1.1	0.9
NER	Arunachal Pradesh	2.3	2.3	2.2	2.2	2.2	2.1	2.2
	Assam	30.5	31.8	35.1	34.9	31.0	31.8	30.0
	Manipur	2.3	2.6	2.5	2.8	2.7	2.2	2.5
	Meghalaya	6.0	5.8	5.9	5.8	6.1	6.1	5.8
	Mizoram	1.7	1.7	1.6	1.7	1.7	1.8	1.8
	Nagaland	2.3	2.2	2.2	2.1	2.2	2.1	2.3
	Tripura	4.8	5.8	6.2	5.1	5.4	5.0	5.1
<b>ALL INDIA TOTAL</b>		<b>4053.8</b>	<b>4124.2</b>	<b>3944.5</b>	<b>3897.5</b>	<b>4093.4</b>	<b>4056.3</b>	<b>3854.6</b>

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

साप्ताहिक रिपोर्ट (10 जून से 16 जून 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	10-06-2019	11-06-2019	12-06-2019	13-06-2019	14-06-2019	15-06-2019	16-06-2019
East to North	-90.8	-86.7	-76.3	-64.5	-67.6	-67.6	-57.5
East to West	58.1	75.4	80.7	75.7	65.2	60.0	65.9
East to South	-67.2	-63.2	-70.9	-67.6	-63.5	-69.5	-65.8
East to North-East	-10.8	-11.8	-13.2	-13.5	-8.2	-7.4	-8.2
North-East to North	-12.2	-12.1	-12.1	-12.2	-11.9	-12.4	-12.0
West to North	-156.3	-153.3	-127.0	-148.4	-174.6	-178.3	-160.4
West to South	-29.0	-9.7	-8.2	-22.9	-12.3	-18.3	-28.8

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

**साप्ताहिक रिपोर्ट (10 जून से 16 जून 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)
10-06-2019	8.9	372	-10.2	-493	-425	-20.6	-1125	-860
11-06-2019	10.3	430	-7.8	-487	-325	-20.4	-1104	-848
12-06-2019	10.0	416	-8.9	-524	-370	-20.7	-1146	-861
13-06-2019	10.7	447	-9.6	-536	-399	-20.7	-1138	-862
14-06-2019	10.2	423	-10.7	-523	-445	-20.2	-1134	-840
15-06-2019	10.5	439	-7.5	-465	-313	-19.8	-1116	-825
16-06-2019	18.1	753	-9.5	-538	-396	-26.3	-1139	-1098
<b>कुल Total</b>	<b>78.7</b>		<b>-64.1</b>			<b>-148.6</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					
1	ER	1) 132 kV Motihari – Raxaul I 2) 132 kV Motihari – Raxaul II 3) 132 kV Raxaul – Parwanipur	BSPTCL	09-06-2019	17:50	09-06-2019	19:05	01:15	132 kV Motihari – Raxaul D/C tripped at 17:50 hrs on BN fault. At the same time 132 kV Raxaul Parwanipur tripped on BN fault leading to the load loss of 25 MW at Raxaul & 53 MW at Parwanipur (Nepal).	Nil	78	GD-1
2	NR	1) Kishangana HPS Unit-1 2) Kishangana HPS Unit-2 3) 220 kV Kishanganga-Delina-I 4) 220 kV Kishanganga-Delina-II	JKPDD/NHPC	10-06-2019	23:05	11-06-2019	00:19	01:14	220 kV Kishanganga-Delina-II tripped due Phase to Phase fault (R-Y), 15.7 Km from Kishanganga, FC: Ir-2.68 KA, Iy-2.46 KA and Kishanganga-Delina-I opened from Delina end only. NHPC Kishangana is connected to grid through Delian-I & II lines only. Hence, two running Units of Kishangana HEP has been tripped at 23:05 Hrs due to Power evacuation.	150	Nil	GI-1
3	NR	1) 220 KV Noida Sec129 – Noida Sec 148 2) 220/132KV,160MVA ICT-II at Noida Sec129 3) 220/132KV, 160MVA ICT-III at Noida Sec129 4) 220 KV Noida Sec129 – Greater Noida 5) 220/132KV, 160MVA ICT-I at Noida Sec129	UPPTCL	11-06-2019	14:27	11-06-2019	14:58	00:31	As reported by UPSLDC, at 14:27 Hrs 160MVA,220/132KV ICT 1 tripped due to pole discrepancy relay operation on account of melting of 220 kV side isolator of the ICT. Simultaneously other 2 nos. ICTs also tripped along with tripping of 220KV Noida Sec129 – Noida Sec 148 & Noida Sec129 – G. Noida line at 14:27 hrs.	Nil	400	GD-1
4	NER	1) 400/132 kV ICT II @ Ranganadi 2) RHEP Unit 1 3) RHEP Unit 3 4) Pare Unit 1 5) Pare Unit 2 6) 132 kV Pare - Itanagar (Chimpu) 7) 132 kV Pare - Ranganadi I 8) 132 kV Pare - Ranganadi II 9) 132 kV Lekhi - Pare 10) 132 kV Lekhi - Nirjuli 11) 132 kV Ranganadi - Itanagar (Chimpu)	APED	11-06-2019	17:21	11-06-2019	18:55	01:34	At 17:21 hrs, 400/132 kV ICT II @ Ranganadi S/S tripped, 132 kV Bus Coupler tripped due to Back-Up protection, Ranganadi Unit I tripped due to Over-speed and Ranganadi Unit III was hand tripped due to tripping of 132 kV bus coupler breaker at Ranganadi. Also 132 kV Pare - Ranganadi I tripped, 132 kV Pare - Ranganadi II and 132 kV Ranganadi - Ziro were hand tripped. Both Pare Unit I and Pare Unit II along with 132 kV Pare - Itanagar and 132 kV Pare - Lekhi also got tripped subsequently.	502	13	GD-II
5	ER	1) 220 KV Budhipadar-Tarkera D/c 2) 220 KV Budhipadar-Lapanga D/c 3) 220 KV Budhipadar-Vedanta D/c 4) 220 KV Budhipadar-IBTPS I, II 5) 220 KV Budhipadar-BPSL D/c 6) 220 KV Budhipadar-Raigarh 7) 220 KV Budhipadar-Korba II, III 8) 220 KV Budhipadar-Adityapur D/c 9) 350 generation at IBTPS	OPTCL	12-06-2019	00:37	12-06-2019	01:27	00:50	At 00:37 Hrs, Y_ph LA of 220 KV Budhipadar-Tarkera I at Budhipadar failed. At the same time, all lines emanating from Budhipadar tripped and substation became dead.	350	242	GD-1
6	NR	1) Kishangana HPS Unit-1 2) Kishangana HPS Unit-2 3) 220 kV Kishanganga-Delina-I 4) 220 kV Kishanganga-Delina-II	JKPDD/NHPC	15-06-2019	14:07	15-06-2019	14:54	00:47	As reported by Kishanganga HEP, both the 220KV Kishanganga-Delina 1 & 2 lines tripped due to Phase to phase fault R-Y (IA-2.633 KA, IB-2.434 KA), Fault Distance -15.54km From Kishanganga end. This resulted in the outage of 2 Nos. 110MW Units due to Evacuation of power as Kishenganga connected to Grid through 220 KV Line Delina- Kishenganga Double Ckt & generation loss of 150 MW at Kishanganga HEP	150	Nil	GI-1