



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: 14<sup>th</sup> June 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 03<sup>rd</sup> June 2019 to 09<sup>th</sup> June 2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 03 जून 2019 से 09 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 03<sup>rd</sup> June 2019 to 09<sup>th</sup> June 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 (03 जून से 09 जून 2019 तक)

रिपोर्टिंग तिथि:-

14-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 (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)
03-06-2019	56183	355	50514		40212		19374		2311	342	168594	697
04-06-2019	56703	907	51146		42188		20575		2485	141	173097	1048
05-06-2019	55779	1078	50642		39873		19291		2659	50	168244	1128
06-06-2019	49963	517	51005		38749	20	20334		2745	72	162796	609
07-06-2019	55835	531	49176		40973		19649		2549	183	168182	714
08-06-2019	54746	872	50874		41190	800	20144		2647	109	169601	1781
09-06-2019	54835	872	47063		37481		20255		2602	26	162236	898

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)
03-06-2019	1306	340	1236	17	921	42	412	64	47	13	3922	476
04-06-2019	1313	340	1247	16	971	57	452	74	46	15	4028	502
05-06-2019	1382	340	1243	16	970	57	449	74	50	18	4093	505
06-06-2019	1344	344	1249	15	939	50	437	75	51	17	4020	499
07-06-2019	1282	337	1238	16	955	53	446	84	49	17	3970	507
08-06-2019	1341	331	1218	14	937	60	454	94	50	18	4000	517
09-06-2019	1322	331	1200	12	905	36	467	94	48	18	3943	491

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
03-06-2019	2.36	2.36	65.45	32.19	49.99	0.031
04-06-2019	15.81	21.47	63.90	14.63	50.02	0.088
05-06-2019	24.46	28.92	67.38	3.69	49.99	0.095
06-06-2019	11.79	11.82	78.30	9.88	49.99	0.040
07-06-2019	11.81	13.25	79.10	7.65	50.01	0.050
08-06-2019	16.98	20.35	75.49	4.17	50.00	0.070
09-06-2019	10.19	11.16	77.58	11.26	50.03	0.047

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1.400/220 KV 315 MVA Durgapur ICT-3 First Time Charged at 10:53 on 07-06-2019.

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

Region	Date	03-06-2019		04-06-2019		05-06-2019		06-06-2019		07-06-2019		08-06-2019		09-06-2019	
	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	9022	0	8003	0	8516	0	8557	0	8715	0	8938	0	8424	0
	Haryana	8893	0	8956	0	8758	0	8567	0	8934	0	9123	0	8847	0
	Rajasthan	11872	0	12041	0	12297	0	12157	0	12467	0	11967	0	11870	0
	Delhi	6526	0	6479	0	6401	0	6591	0	6400	0	6367	0	6293	0
	UP	21407	0	20910	720	21247	0	20717	0	20071	0	20018	880	20616	360
	Uttarakhand	2099	0	2164	0	2139	0	2056	0	2085	0	2051	0	1953	0
	HP	1612	7	1393	0	1454	0	1398	0	1448	0	1495	0	1223	0
	J&K	2181	545	2284	571	2143	536	2211	553	2224	556	2120	530	2181	545
	Chandigarh	348	0	299	0	293	0	290	0	293	0	283	0	284	0
WR	Chhattisgarh	3816	0	3929	0	3942	0	3882	0	3740	0	3835	0	3882	0
	Gujarat	17941	0	18012	0	17543	0	18238	0	18305	0	18139	0	17525	0
	MP	9661	0	9798	0	10032	0	9953	0	9779	0	9550	0	9642	0
	Maharashtra	22912	0	22909	0	22114	0	22015	0	22103	0	21542	0	20832	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	312	0	340	0	332	0	329	0	347	0	338	0	322	0
	DNH	765	0	760	0	748	0	762	0	751	0	738	0	733	0
	Essar steel	293	0	292	0	305	0	298	0	369	0	294	0	288	0
SR	Andhra Pradesh	7900	0	8907	0	9350	0	8754	0	9108	0	9079	600	9355	0
	Telangana	8131	0	7572	0	7589	0	8355	0	7697	0	7179	0	7183	0
	Karnataka	9510	0	9600	0	10200	0	9343	0	9614	0	9180	500	8611	0
	Kerala	4026	0	3913	0	3505	0	4029	0	3811	0	3710	0	3054	0
	Tamil Nadu	14963	0	15080	0	14227	0	15214	0	14784	0	15215	0	13782	0
	Pondy	432	0	438	0	418	0	414	20	428	0	430	0	399	0
ER	Bihar	5082	0	5245	0	5513	0	5397	0	5363	0	5356	0	5156	0
	DVC	3035	0	3041	0	3112	0	3037	0	3023	0	2990	0	3029	0
	Jharkhand	1000	0	1112	0	1202	0	1216	0	1106	0	1230	0	1297	0
	Odisha	4222	0	4336	0	4529	0	4316	0	4229	0	4168	0	4542	0
	West Bengal	7792	0	8280	0	8102	0	7996	0	7843	0	8355	0	8909	0
	Sikkim	97	0	85	0	98	0	95	0	90	0	93	0	78	0
NER	Arunachal Pradesh	116	3	120	3	120	2	117	1	109	2	112	1	141	0
	Assam	1435	45	1560	40	1671	43	1706	54	1548	138	1668	58	1629	12
	Manipur	142	7	160	4	161	3	164	2	169	3	172	2	147	1
	Meghalaya	315	6	318	5	321	0	367	0	334	0	331	0	321	0
	Mizoram	91	4	92	6	82	1	83	1	92	3	98	1	80	1
	Nagaland	113	2	124	5	119	2	116	2	124	2	126	1	128	2
Tripura	257	10	254	8	255	0	275	3	273	2	260	2	274	0	

## 6. Energy Consumption in States (MUs)

Region	States	03-06-2019	04-06-2019	05-06-2019	06-06-2019	07-06-2019	08-06-2019	09-06-2019
NR	Punjab	181.3	162.6	186.4	198.8	186.0	190.3	188.4
	Haryana	189.3	184.2	189.4	185.1	183.5	187.4	179.9
	Rajasthan	261.8	268.1	271.3	270.4	275.2	271.0	264.9
	Delhi	135.5	131.8	131.2	134.4	129.2	129.0	123.8
	UP	412.6	444.2	471.8	431.1	381.6	433.9	443.4
	Uttarakhand	45.8	46.6	47.5	42.1	41.9	46.1	42.7
	HP	30.3	28.1	30.4	29.0	30.6	30.1	26.8
	J&K	42.6	42.4	47.6	47.5	47.9	47.5	46.0
	Chandigarh	6.5	5.2	5.9	5.7	5.7	5.7	6.1
WR	Chhattisgarh	85.5	90.6	92.1	89.6	85.1	85.6	90.0
	Gujarat	390.7	394.8	387.9	395.0	400.8	398.1	387.1
	MP	216.9	223.0	227.5	227.6	223.5	219.8	219.9
	Maharashtra	500.4	495.4	492.8	494.2	485.7	472.7	461.6
	Goa	12.3	12.3	12.0	11.9	11.9	11.9	11.9
	DD	7.1	7.5	7.5	7.5	7.7	7.6	7.4
	DNH	17.6	17.6	17.5	17.6	17.5	17.4	17.1
	Essar steel	5.5	5.8	5.5	5.4	6.2	5.4	5.5
SR	Andhra Pradesh	174.6	183.4	193.4	184.1	187.5	187.2	189.7
	Telangana	154.4	154.8	168.2	160.9	159.9	144.0	156.0
	Karnataka	175.5	197.4	199.3	175.5	179.1	180.8	173.7
	Kerala	79.6	82.5	75.9	77.8	79.1	78.7	65.8
	Tamil Nadu	328.4	343.5	324.2	331.6	339.9	337.3	312.0
	Pondy	9.0	9.1	8.8	9.0	9.2	9.2	8.2
ER	Bihar	93.8	104.1	109.2	104.2	104.5	107.1	105.8
	DVC	64.0	66.5	67.4	67.6	64.8	64.1	66.6
	Jharkhand	19.6	24.8	26.7	27.5	25.8	26.8	27.0
	Odisha	80.5	88.1	89.1	81.3	89.4	88.0	91.6
	West Bengal	152.9	167.4	155.0	155.6	160.6	166.4	174.5
	Sikkim	1.2	1.1	1.1	1.2	1.2	1.2	1.0
NER	Arunachal Pradesh	2.2	2.2	2.1	2.1	2.0	2.0	2.2
	Assam	28.3	26.6	29.9	31.2	30.3	31.1	29.3
	Manipur	2.4	2.5	2.8	2.7	2.4	2.3	2.2
	Meghalaya	5.9	5.8	6.0	6.0	5.8	5.9	6.0
	Mizoram	1.8	1.9	1.7	1.7	1.8	1.7	1.6
	Nagaland	2.1	2.1	2.1	2.2	2.1	2.1	2.3
	Tripura	4.0	4.5	5.3	5.1	5.0	4.9	4.6
<b>ALL INDIA TOTAL</b>		<b>3921.8</b>	<b>4028.2</b>	<b>4092.6</b>	<b>4020.1</b>	<b>3970.3</b>	<b>4000.2</b>	<b>3942.6</b>

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

साप्ताहिक रिपोर्ट (03 जून से 09 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	03-06-2019	04-06-2019	05-06-2019	06-06-2019	07-06-2019	08-06-2019	09-06-2019
East to North	-61.2	-65.0	-84.1	-82.8	-68.5	-72.2	-70.7
East to West	61.5	50.5	35.3	33.5	42.9	54.5	60.8
East to South	-83.7	-91.6	-80.5	-71.7	-86.7	-77.8	-78.0
East to North-East	-11.2	-9.9	-8.1	-15.2	-13.5	-12.9	-10.9
North-East to North	-12.0	-12.2	-12.1	-14.3	-14.6	-14.4	-14.1
West to North	-141.0	-105.0	-109.8	-138.2	-127.5	-145.8	-137.0
West to South	-35.2	-23.7	-17.4	-47.0	-50.5	-29.8	-43.1

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

**साप्ताहिक रिपोर्ट (03 जून से 09 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)
03-06-2019	9.9	413	-9.0	-548	-376	-25.9	-1109	-1080
04-06-2019	8.4	348	-10.6	-524	-441	-17.8	-1050	-741
05-06-2019	7.4	308	-8.9	-507	-371	-17.1	-856	-712
06-06-2019	8.8	366	-8.5	-500	-353	-17.1	-862	-712
07-06-2019	10.3	431	-6.6	-419	-274	-21.5	-1112	-895
08-06-2019	13.0	542	-7.6	420	-315	-21.7	-1118	-905
09-06-2019	11.5	480	-8.2	-501	-342	-25.7	-1120	-1069
<b>कुल Total</b>	<b>69.3</b>		<b>-59.3</b>			<b>-146.7</b>		

### 8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	NR	1) Unit 1 & 2 (43X2) MW at Malana 2) 220 kV Chhaur(MALN2)-Nallagarh(PG) 3) 220 kV Chhaur(MALN2)-Phojal(HP) 4) 220 kV AD Hydro(ADHY)-Phojal(HP)	PG/HP/MPCL	01-Jun-19	19:01	01-Jun-19	19:30	00:29	220 kV Chhaur- phozal and 220kV Chhaur-Nallagarh lines tripped due earth Fault (Y-N), 69.2 KM from Chhaur. NHPC Malana II is connected to 132/220KV Chaur Substation. Both Units of Malana II HEP has been tripped at 19:01 Hrs due to loss of power evacuation path.	96	0	GI-1
2	NR	1.220kV Ad Hydro-Nalagrah(PG) 2.220kV Nalagarh-Nangal ckt 1 3.220kV Nalagrah-Nangal ckt 2	PG/AD Hydro	01-Jun-19	22:07	01-Jun-19	22:48	00:41	As report, 220kV Nalagarh-Nangal ckt 1 & 2 tripped on R-N fault, Whereas 220kV Nalagarh-Ad Hydro tripped due to relay mal function at Ad Hydro.	0	260	GD-1
3	NER	1) 132 Kv Agartala-Rokhia I 2) 132 Kv Agartala-Rokhia II 3) 132 Kv R.C. Nagar-Agartala TL I 4) 132 Kv R.C. Nagar-Agartala TL II 5) 132 Kv Agartala-S.M. Nagar I 6) 132 Kv Agartala-S.M. Nagar II 7) 132 Kv Agartala-Budjunagar 8) 132 Kv Agartala-Dhalabil TL 9) AGTCCPP-Unit 2 10) AGTCCPP-Unit 3 11) AGTCCPP-Unit 4 12) AGTCCPP EXTN-STG1 13) AGTCCPP EXTN-STG2	AGTCCPP/TSECL	02-Jun-19	08:21	02-Jun-19	09:30	01:09	At 08:21 hrs of 02-06-2019, oil leakage was observed in one of the 25 MVA, 132/11 kV transformer at Agartala substation which tripped under differential relay protection. Subsequently, fire hazard has been sensed in it by the substation personnels. Under such condition, Agartala substation was isolated from the main grid by handtripping of 132 kV Rokhia-Agartala D/C lines, 132 kV AGTCCPP-Agartala D/C lines, 132 kV Agartaldhalabil & 132 kV Agaratala- Surajmaninagar D/C lines. Tripping of 132 kV AGTCCPP-Agartala D/C lines lead to tripping of all the units of AGTCCPP due to voltage jerk and loss of evacuation path. However, AGTCCPP bus was not dead due to presence of 132 kV Kumarghat-AGTCCPP line	132	21	GD-1
4	NER	132 kV Melriat (PG)- Zuangtui	PG/Mizoram state	04-Jun-19	13:49	04-Jun-19	14:10	00:21	At 13:49 Hrs, 132 kV Melriat(PG)-Zuantui T/L tripped (Melriat- R -Y ph, Z-3, 20.35 km, Zunatui- No Tripping) resulting in power loss in Zuangtui area of Mizoram state	0	30	GD-1
5	WR	1) 765kV Seoni - Wardha Ckt-1 2) 765kV Seoni - Wardha Ckt-2 3) 765kV Wardha - Aurangabad Ckt-1 4) 765kV Wardha - Aurangabad Ckt-2 5) 765kV Wardha - Aurangabad Ckt-3 6) 765kV Wardha - Aurangabad Ckt-4 7) 765kV Durg - Wardha Ckt-1 8) 765kV Durg - Wardha Ckt-2 9) 765kV Durg - Wardha Ckt-3 10) 765kV Durg - Wardha Ckt-4 11) 765kV Wardha-Nizamabad Ckt-1 12) 765kV Wardha-Nizamabad Ckt-2 13) 1500MVA Wardha ICT-I 14) 1500MVA Wardha ICT-II 15) 400kV Wardha-Akola Ckt-II 16) 400kV Wardha-Warora(MSTCEL) 17) 400kV Wardha-Koradi stg-2 18) 400kV Wardha - Mauda Ckt-II 19) 765 kV B/R-I at Wardha 20) 765 kV B/R-II at Wardha 21) 400kV Wardha - Warora(PG) Ckt-I 22) 1500MVA Wardha ICT-III	PG	04-Jun-19	16:53	04-Jun-19	18:16	01:23	On 04th June 2019, between 16:53 hrs to 17:47 hrs all 765 kV elements connected at 765/400 kV Wardha S/s & total five number of 400 kV lines from Wardha end tripped on account of inclement weather as reported.	0	0	GI-II
6	WR	1) 400kV Bhadravati-GMR(EMCO)-1 2) 400kV Bhadravati-GMR(EMCO)-2 3) 400kV Bhadravati-Ramagundam-1 4) 400kV Bhadravati-Chandrapur-4 5) HVDC Bhadravati- Block-2 6) GMR-(EMCO)- unit-1 7) GMR-(EMCO)- unit-2	EMCO/PG	04-Jun-19	20:53	04-Jun-19	22:32	01:39	At 20:53 hrs/04.06.2019 GMR Warora-Bhadravati D/C, BhadravatiChandrapur-4 line, Bhadravati HVDC Pole 2 and 400 kV Bhadravati-Ramagundam-1 tripped. Due to tripping of all the evacuating lines at GMR Warora both unit (300*2) of GMR Warora tripped. Generation loss of 550 MW occurred due to trappings of both units at GMR-Warora.	550	0	GD-1
7	NR	1) 220KV Kishanganga-Delina Line I 2) 220KV Kishanganga-Delina Line II 3) 110MW , Unit 1 at Kishanganga 4) 110MW , Unit 2 at Kishanganga	NHPC/JKPD	05-Jun-19	12:02	05-Jun-19	13:18	01:16	As reported by Kishanganga HEP, both the 220KV Kishanganga-Delina 1 & 2 lines tripped (Tripping details awaited from Kishanganga NHPC). No fault was observed from the PMU. This resulted in the outage of 2 nos. 110MW Units & generation loss of 155 MW at Kishanganga HEP.	155	0	GI-I
8	NR	1) 220kV Nawada-A5(Faridabad) ckt 1 2) 220kV Nawada - A5(Faridabad)ckt 2 3) 400/220kV ICT-1 At Nawada S/S 4) 400/220kV ICT-2 At Nawada S/S	HVNL	07-Jun-19	15:19	07-Jun-19	15:27	00:08	As per data of PMU of Ballabgarh, a sudden rise in voltage observed, No fault signature is noticed. As Haryana reported, while charging 220kV side of ICT-3(newly commissioned) falsely LBB initiated of the breaker which leads to tripping of 220kV feeders along with ICT-1 & 2 on bus bar protection.	0	260	GD-1