



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: 14th Aug 2020

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., डोंगतेह, 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 03rd Aug 2020 to 09th Aug-2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 03 अगस्त -2020 से 09 अगस्त-2020, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 03rd Aug 2020 to 09th Aug-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr.DGM (SO)

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

WEEKLY REPORT 03-Aug-2020 - 09-Aug-2020

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

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

REGION	NR		WR		SR		ER		NER		TOTAL	
Date	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)
03-08-20	55901	708	40256	0	34813	0	22784	0	2886	89	156,640.0	797.0
04-08-20	61513	0	43400	0	34767	0	17281	0	2892	7	159,853.0	7.0
05-08-20	59484	83	40134	0	35782	0	18322	0	2865	8	156,587.0	91.0
06-08-20	57137	0	41899	0	37754	0	21031	0	2825	5	160,646.0	5.0
07-08-20	60337	902	42414	0	38628	0	21229	0	2812	180	165,420.0	1,082.0
08-08-20	61649	1385	42428	0	38504	0	21387	0	2796	5	166,764.0	1,390.0
09-08-20	57784	550	40852	0	33918	0	20840	0	2743	6	156,137.0	556.0

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

REGION	NR		WR		SR		ER		NER		TOTAL	
Date	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)
03-08-20	1325	356	1003	21	805	73	474	140	55	30	3662	621
04-08-20	1381	357	1029	25	794	89	439	147	55	28	3698	646
05-08-20	1389	354	1002	26	793	109	382	141	55	28	3621	658
06-08-20	1320	349	958	26	851	125	408	135	56	27	3593	662
07-08-20	1381	362	980	30	912	127	443	135	55	26	3771	679
08-08-20	1429	359	985	25	920	123	453	139	54	26	3840	671
09-08-20	1371	348	956	22	838	111	452	146	52	25	3668	652

3. आवृत्ति (प्रतिशत समय में)

Date	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05	FVI	Average
	ऑ० ई० (GRID)	ऑ० ई० (GRID)	ऑ० ई० (GRID)	ऑ० ई० (GRID)	ऑ० ई० (GRID)	ऑ० ई० (GRID)
03-AUG-20	3.81	3.81	78.27	17.93	0.03	50.005
04-AUG-20	4.58	4.58	75.94	19.48	0.03	50.009
05-AUG-20	8.17	8.69	77.21	14.10	0.04	49.991
06-AUG-20	3.44	3.54	79.68	16.78	0.03	50.005
07-AUG-20	13.85	15.73	78.39	5.88	0.05	49.966
08-AUG-20	9.06	10.32	81.19	8.48	0.04	49.977
09-AUG-20	6.78	6.98	79.02	14.00	0.03	49.994

4. NEW ELEMENTS COMMISSIONED

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

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

Region	Date	03-08-2020		04-08-2020		05-08-2020		06-08-2020		07-08-2020		08-08-2020		09-08-2020	
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
NR	J&K(UT) & Ladakh(UT)	2164	541	2245	0	2224	0	2286	0	2204	0	2264	0	2217	0
	Punjab	11851	0	11922	0	12334	0	12455	0	12535	0	12729	0	12224	0
	Haryana	8771	0	9538	0	9503	965	9244	0	9582	75	10060	13	9406	0
	Rajasthan	10481	0	11726	0	12137	0	10649	0	10208	0	9856	0	9926	0
	Delhi	5415	0	5708	0	5596	0	5504	0	5582	0	5722	0	5610	0
	UP	21406	0	22317	0	21649	0	20416	0	22240	780	22891	0	22238	0
	Uttarakhand	1612	0	1851	0	1859	0	1965	0	1906	0	1997	0	1803	0
	HP	1260	0	1410	0	1456	0	1380	0	1412	0	1455	0	1335	0
	Chandigarh	304	0	301	0	332	0	340	0	347	0	330	0	295	0
WR	AMNSIL	812	0	813	0	861	0	866	0	813	0	792	0	813	0
	Chhattisgarh	4322	0	4138	0	3977	0	3930	0	4040	0	4003	0	3868	0
	Gujarat	13109	0	14648	0	14829	0	12917	0	12732	0	12467	0	11587	0
	MP	9400	0	9086	0	8891	0	8673	0	9073	0	8735	0	8615	0
	Maharashtra	16664	0	16587	0	16708	0	15916	0	16540	0	16620	0	16507	0
	Goa	440	0	345	0	402	0	454	0	428	0	425	0	363	0
	DD	195	0	243	0	261	0	256	0	258	0	258	0	219	0
	DNH	549	0	610	0	572	0	637	0	611	0	634	0	627	0
SR	Andhra Pradesh	7220	0	6894	0	6646	0	7337	0	7978	0	8332	0	8045	0
	Telangana	9725	0	9511	0	10404	0	11359	0	12602	0	12412	0	12908	0
	Karnataka	7754	0	7294	0	6685	0	7384	0	8317	0	7739	0	7082	0
	Kerala	2805	0	2791	0	2855	0	2820	0	2754	0	2678	0	2497	0
	Tamil Nadu	11922	0	11983	0	11820	0	12867	0	12819	0	12807	0	10374	0
	Pondy	342	0	349	0	343	0	397	0	394	0	378	0	314	0
ER	Bihar	6123	0	5765	0	4106	0	4973	0	5217	0	5601	0	5507	0
	DVC	3083	0	2913	0	2796	0	2985	0	2913	0	2987	0	2918	0
	Jharkhand	1515	0	1375	0	1337	0	1427	0	1468	0	1541	0	1487	0
	Odisha	4165	0	3937	0	4140	0	4521	0	4215	0	4272	0	4299	0
	West Bengal	9161	0	8826	0	6882	0	7640	0	8201	0	8102	0	7983	0
	Sikkim	94	0	84	0	69	0	71	0	78	0	74	0	61	0
NER	Arunachal Pradesh	110	1	114	1	115	0	100	2	110	2	104	1	107	2
	Assam	1887	67	1933	14	1897	12	1850	13	1828	18	1796	30	1790	21
	Manipur	202	1	180	0	193	1	190	0	182	1	192	1	179	2
	Meghalaya	289	0	273	0	298	0	297	0	296	0	326	0	287	0
	Mizoram	92	1	89	0	90	0	91	1	89	1	95	2	90	1
	Nagaland	121	1	130	1	134	1	132	1	130	0	124	1	120	2
	Tripura	293	3	296	3	283	3	286	3	298	4	307	1	296	2

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

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6. Energy Consumption in States (MUs)

Region	States	03-08-2020	04-08-2020	05-08-2020	06-08-2020	07-08-2020	08-08-2020	09-08-2020
NR	J&K(UT) & Ladakh(UT)	41.2	44.9	45.6	46.0	45.6	44.2	43.1
	Punjab	256.0	261.5	272.0	276.9	285.9	291.0	276.9
	Haryana	191.9	200.4	208.2	208.8	208.3	215.1	210.7
	Rajasthan	230.0	252.2	250.1	235.2	226.3	223.0	221.6
	Delhi	105.1	113.2	115.7	111.7	113.3	113.7	107.3
	UP	431.1	432.2	419.4	361.8	420.6	458.6	439.4
	Uttarakhand	35.4	39.1	40.2	41.6	42.7	44.1	37.6
	HP	28.7	31.3	31.5	31.3	32.1	32.7	28.3
	Chandigarh	6.0	6.0	6.3	6.5	6.7	6.7	6.0
WR	AMNSIL	15.9	17.7	19.1	18.3	17.3	17.8	18.3
	Chhattisgarh	100.6	98.4	92.1	90.1	95.4	95.2	90.4
	Gujarat	281.9	316.9	308.9	277.8	276.2	274.9	259.2
	MP	209.2	207.8	201.7	193.0	203.1	198.7	196.4
	Maharashtra	369.9	363.3	354.7	350.3	359.1	369.4	364.2
	Goa	8.6	7.4	7.4	8.8	9.2	8.5	7.8
	DD	3.8	4.8	5.5	5.5	5.6	5.6	5.0
	DNH	12.7	13.0	12.6	14.3	14.1	14.4	14.3
SR	Andhra Pradesh	157.0	148.0	146.0	155.7	167.7	170.7	168.7
	Telangana	189.0	190.2	207.6	223.6	247.6	250.3	250.3
	Karnataka	147.4	138.4	131.1	140.5	149.4	149.9	137.9
	Kerala	58.2	58.6	50.0	57.1	55.2	56.4	51.1
	Tamil Nadu	246.6	251.4	250.6	265.9	283.6	284.3	222.7
	Pondy	6.9	7.4	7.3	8.3	8.4	8.0	6.8
ER	Bihar	118.3	110.1	81.6	88.0	107.8	114.9	113.9
	DVC	63.3	59.2	58.3	62.2	63.9	64.3	65.2
	Jharkhand	27.4	24.9	22.8	25.1	26.6	26.6	26.6
	Odisha	84.0	81.9	78.6	83.1	83.4	83.5	83.0
	West Bengal	179.8	162.0	140.0	148.8	160.6	163.1	162.6
	Sikkim	1.0	1.0	0.8	0.8	0.9	0.9	0.7
NER	Arunachal Pradesh	1.8	1.9	2.0	1.9	1.9	1.8	1.9
	Assam	35.8	35.9	36.4	37.2	36.1	35.0	33.6
	Manipur	2.9	2.7	2.5	2.6	2.6	2.6	2.2
	Meghalaya	5.1	4.9	5.1	5.2	5.2	5.3	5.2
	Mizoram	1.7	1.5	1.5	1.6	1.5	1.5	1.5
	Nagaland	2.3	2.3	2.2	2.3	2.3	2.3	2.1
	Tripura	5.5	5.4	5.2	5.1	5.2	5.1	5.1
ALL INDIA TOTAL		3662.0	3697.5	3620.5	3592.9	3771.3	3840.2	3667.4

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

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

7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-)]

दिनांक	03-08-2020	04-08-2020	05-08-2020	06-08-2020	07-08-2020	08-08-2020	09-08-2020
East to North	-98.8	-116.1	-131.2	-102.5	-97.8	-90.2	-97.9
East to West	63.7	47.3	30.5	49.1	50.2	54.9	61.2
East to South	-76.3	-76.1	-71.7	-75.4	-74.4	-83.1	-86.3
East to North-East	-11.6	-10.3	-16.7	-18.0	-18.4	-21.3	-15.9
North-East to North	-15.9	-12.2	-13.5	-12.2	-12.1	-16.6	-17.2
West to North	-196.5	-242.7	-246.9	-239.6	-272.8	-281.5	-255.1
West to South	-7.8	13.3	5.4	-5.3	-14.5	-14.5	-27.8

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

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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 (In MU)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)
03-08-2020	56.7	2361	-2.2	-114	-91	-26.1	-1098	-1085
04-08-2020	56.7	2362	-4.0	-397	-168	-25.9	-1097	-1079
05-08-2020	55.9	2329	-3.7	-322	-155	-25.5	-1081	-1061
06-08-2020	56.1	2338	-4.0	-356	-167	-25.4	-1076	-1059
07-08-2020	54.9	2287	-3.9	-332	-161	-25.0	-1092	-1043
08-08-2020	55.9	2330	-3.0	-313	-127	-25.8	-1107	-1076
09-08-2020	56.7	2361	-2.9	-219	-119	-25.9	-1110	-1080
TOTAL	392.85		-23.7			-179.6		

Major Grid Events* for Aug-2020_Week - 1

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	ER	1) 400 kv Dikachu - Rangpo - I 2) 400 kv Tista - Dikachu - III	TUL	01.08.20	11:47	01.08.20	12:33	46m	At 11.47 hrs, line tripped on B- N, Zone -II, 30.8 km at Rangpo.Tista - dikachu- III also tripped at dikachu end, possibly maloperated.	100	Nil	GI-II
2	ER	1)220 KV Begusarai-Khagaria 2)220 New Purnea -Khagaria-Begusarai ckt 2 3) 220 KV Barauni-Begusarai 4)220KV Begusarai - Samastipur	BTPS	03.08.20	11:05	03.08.20	12:04	59m	At 11:05hrs, 220 KV Begusarai-Khagaria(also New Purnea -Khagaria-Begusarai ckt 2) tripped on B-N fault, 48.26 km from Begusarai. At this moment, 220 KV Barauni-Begusarai and Begusarai - Samastipur also tripped leading to tripping of running unit of Barauni unit no. 8 generating 180 MW and loss of voltage in 220 KV Barauni, 220 KV Begusarai & 220 KV Khagaria and load loss of 232 MW in Rosra, Kucheswar, Dalsingsarai, Manjhaur areas fed from Begusarai and in Samastipur, Khagaria areas.	180	232	GD-I
3	ER	1), 220 KV Rengali(PG) - Rengali OPTCL ckt 1 2) 220 KV TSTPP- Rengali PH ckt	OPTCL	03.08.20	17:35	03.08.21	18:14	39m	At 17:35 hrs, 220 KV Rengali (PG)-Rengali OPTCL ckt 1 tripped at 17:35 hrs from OPTCL side only along with 220 kv TSTPP- Rengali PH ckt. Talcher end indications showing B-N , 9.4 KM, F/C: 8.8 KA at Talcher STPS end. This led to loss of evacuation of running 5 units, generating 150 MW, in 220 KV Rengali PH which tripped leading to loss of voltage at 220 KV Rengali PH and Rengali OPTCL.	150	Nil	GI-I
4	ER	1) 220 KV Barauni-Hajipur - I 2) 220 KV Muzaffarpur - Hajipur D/c	BSEB	04.08.20	19:33	04.08.21	20:05	32m	At 19:33 Hrs, while taking charging attempt of 220 KV Barauni-Hajipur I, 220 KV Muzaffarpur-Hajipur D/c tripped, leading to a load loss of 313 MW in Hajipur, Chhapra, Amnour.	Nil	313	GD-I
5	NR	1)400 kV Akal- Jodhpur	Rasjasthan	06.08.20	13:50	06.08.20	14:15	25m	At 13:50 Hrs, 400 kV Akal-Jodhpur tripped due to Jodhpur end: Main I :- 186A, Main II :- 186B, Direct trip Akal end : 86A & 86B operated, Direct trip received.	1100	Nil	GI-II
6	NER	1) 132 kv Dhaligaon - BTPS(AS)- I 2)133 kv Dhaligaon - BTPS(AS) II 3)132 kv Rangia - Bornagar 4)132 kv Bornagar - Dhaligaon	BTPS(AS)	06.08.20	20:24	06.08.20	20:44	20m	At 20:24 hrs, 132 kv Dhaligaon-BTPS(AS) D/C and 132 kv Rangia-Bornagar T/L tripped leading to the blackout of Dhaligaon and Bornagar substations of Assam.	Nil	147	GD-1
7	NER	1)220 kV AGBPP - Mariani(PG) 2)220 kV Misa - Mariani(PG) 3)220 kV Mariani(PG) - Mokokchung(PG) I 4)220 kV Mariani(PG) - Mokokchung(PG) II 5) 220/132 kV ICT-I at Mokokchung(PG) 6) 220/132 kV ICT-II at Mokokchung(PG) 7)132 kV Mokokchung(PG) - Mokokchung(NL) I 8)133 kV Mokokchung(PG) - Mokokchung(NL) II	AGBPP	06.08.20	20:07	06.08.20	20:44	37m	At around 20:07 hrs, 220 kV AGBPP Mariani(PG) T/L and 220 kV Misa - Mariani(PG) T/L tripped. Prior to the tripping, 132 kV Doyang - Mokokchung T/L was found to be faulty. Therefore, 220 kV Mokokchung(PG) & 132 kV Mokokchung(Nagaland) S/Ss were radially connected to 220 kV Mariani(PG) S/ S. Due to the tripping of the aforementioned lines, 220 kV Mariani S/S and radially connected 220 kV Mokokchung(PG)132kv Mokokchung(Nagaland) S/Ss of Nagaland were blacked out.	14	Nil	GI-I
8	NER	1)132 kv Badarpur-Kolasib kv Aizawl- Kolasib	2)132 Mizoram	07.08.20	13:52	07.08.20	14:26	34m	At around 13:52Hrs 132 kv Badarpur-Kolasib & 132 kv Aizawl- Kolasib TL got tripped due to below mentioned reasons causing Blackout of Kolasib Sub-Station.	22	1	GD-I
9	ER	1)BTPS-Hajipur ckt-II 2)BTPS-Begusarai ckt-I 3)BTPS-Begusarai ckt-II 4) 220KV Khagaria new/Begusarai ckt-II 5)220kv Purnea(PG) - Begusarai ckt-I 6)220kv Ujjiyarpur - Begusarai ckt-I 7)220kv Ujjiyarpur - Begusarai ckt-II	BSEB	09.08.20	7:41	09.08.20	9:00	1h 19m	At 7:41hrs, 220KV BTPS-Begusarai ckt-2 incurred R-ph CT blast at Begusarai end. Subsequently, all connected 220KV ckt and 220/132 KV ICTs tripped either on busbar / LBB protection or from remote ends on zone 2. At the same time, running unit 8 at 220 KV Barauni TPS with 220 MW Generation tripped on overcurrent, with tripping of 220KV BTPS-Hajipur ckt 2 from either or both ends on possibly over reach. As a result, there was total voltage loss at 220KV Begusarai s/s and load loss in areas mentioned above. 220KV BTPS remained connected with 220 KV Biharsharif via 220 KV double ckt.	220	175	GD-I