



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: 20<sup>th</sup> Aug 2020

To,

1. 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., 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 10<sup>th</sup> August-2020 to 16<sup>th</sup> August-2020.


महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 10 अगस्त-2020 से 16 अगस्त-2020, 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> August-2020 to 16<sup>th</sup> August-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

  
Sr.DGM(SO)

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (10 अगस्त 2020 से 16 अगस्त 2020 तक)

रिपोर्टिंग तिथि:-

20-Aug-20

(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)
10-08-2020	60325	380	42312		36420		21907	198	2742	161	163706	739
11-08-2020	59359		41538		37289		22018		2760	180	162964	180
12-08-2020	58193		39023		37613		21652		2850	123	159331	123
13-08-2020	55092	20	39064		37380		21757		2950	14	156243	34
14-08-2020	57038		39629		36865		21699		2716	251	157947	251
15-08-2020	55426		35135		32324		20521		2611	182	146017	182
16-08-2020	57960		38779		32047		21387		2674	9	152847	9

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)
10-08-2020	1365	354	974	34	821	119	466	146	51	27	3678	680
11-08-2020	1334	346	964	21	864	114	473	150	53	30	3688	661
12-08-2020	1312	336	915	19	872	117	458	143	54	31	3612	645
13-08-2020	1221	340	908	22	861	123	460	141	55	28	3506	654
14-08-2020	1240	346	901	27	859	115	466	145	54	27	3520	660
15-08-2020	1248	354	848	30	785	107	437	136	49	26	3367	653
16-08-2020	1269	349	875	32	724	113	428	140	47	26	3343	661

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
10-08-2020	2.43	2.43	83.23	14.34	50.00	0.023
11-08-2020	2.70	3.39	83.11	13.50	50.00	0.027
12-08-2020	4.46	4.46	80.66	14.88	50.00	0.025
13-08-2020	3.91	4.53	84.17	11.31	50.00	0.028
14-08-2020	6.98	7.36	85.50	7.14	49.98	0.032
15-08-2020	3.14	3.14	84.47	12.40	50.00	0.023
16-08-2020	4.26	4.38	86.03	9.59	49.99	0.026

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED


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

Region	Date	10-08-2020		11-08-2020		12-08-2020		13-08-2020		14-08-2020		15-08-2020		16-08-2020	
	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	11507	0	11244	0	11675	0	11331	0	11134	0	11240	0	11532	0
	Haryana	9381	0	9207	0	9265	0	8483	0	8463	0	8470	0	8603	0
	Rajasthan	10186	0	10050	0	10164	0	10290	0	9859	0	9189	0	9662	0
	Delhi	5428	0	5459	0	5323	0	5009	0	4655	0	4713	0	5177	0
	UP	22554	0	21463	0	20115	0	19306	0	20427	0	20388	0	21538	0
	Uttarakhand	1831	0	1792	0	1794	0	1717	0	1824	0	1608	0	1749	0
	HP	1337	0	1411	0	1393	0	1367	0	1387	0	1129	0	1198	0
	J&K	2252	0	2067	0	2201	0	2119	0	2132	0	2174	0	2124	0
	Chandigarh	311	0	318	0	279	0	257	0	282	0	282	0	283	0
WR	Chhattisgarh	4098	0	3968	0	3966	0	3915	0	3853	0	3828	0	3464	0
	Gujarat	11870	0	11506	0	10059	0	10462	0	11126	0	10423	0	11314	0
	MP	8817	0	8896	0	8483	0	8306	0	8210	0	8245	0	8319	0
	Maharashtra	17419	0	16865	0	16788	0	16862	0	16112	0	14415	0	15202	0
	Goa	391	0	408	0	417	0	64	0	409	0	323	0	352	0
	DD	255	0	265	0	263	0	267	0	262	0	231	0	232	0
	DNH	662	0	668	0	652	0	681	0	669	0	613	0	628	0
	Essar steel	795	0	801	0	836	0	810	0	773	0	800	0	802	0
SR	Andhra Pradesh	7239	0	7712	0	7623	0	7479	0	7511	0	7189	0	6833	0
	Telangana	9325	0	9738	0	10302	0	8818	0	8550	0	7701	0	5611	0
	Karnataka	7595	0	7780	0	7938	0	8439	0	8610	0	7846	0	6800	0
	Kerala	2825	0	2975	0	3018	0	3116	0	3131	0	3012	0	2918	0
	Tamil Nadu	12695	0	12935	0	13267	0	13329	0	12913	0	11845	0	11870	0
	Pondy	353	0	374	0	371	0	372	0	372	0	336	0	351	0
ER	Bihar	5422	0	5417	0	5201	0	5785	0	5581	0	5537	0	5507	0
	DVC	2931	0	2902	0	2913	0	2968	0	2936	0	2908	0	2897	0
	Jharkhand	1525	198	1518	0	1411	0	1444	0	1494	0	1445	0	1534	0
	Odisha	4555	0	4627	0	4462	0	4094	0	4008	0	4006	0	4078	0
	West Bengal	8273	0	8469	0	8405	0	8651	0	8272	0	8047	0	8150	0
	Sikkim	72	0	87	0	78	0	86	0	81	0	74	0	70	0
NER	Arunachal Pradesh	107	1	106	1	108	1	112	1	114	2	110	2	99	1
	Assam	1790	145	1771	167	1866	92	1934	8	1855	24	1789	26	1735	24
	Manipur	179	1	179	1	182	3	193	2	188	2	156	1	190	2
	Meghalaya	287	0	287	0	290	0	310	0	312	0	310	0	304	0
	Mizoram	84	1	97	1	93	2	94	2	90	2	91	2	92	1
	Nagaland	124	1	119	1	127	1	128	1	124	1	120	2	119	2
	Tripura	296	0	288	0	284	3	303	1	270	4	262	8	249	2

## 6. Energy Consumption in States (MUs)

Region	States	10-08-2020	11-08-2020	12-08-2020	13-08-2020	14-08-2020	15-08-2020	16-08-2020
NR	Punjab	260.7	253.4	263.3	257.7	249.2	255.2	261.6
	Haryana	203.1	202.3	200.4	168.6	177.0	177.4	182.6
	Rajasthan	222.8	206.5	225.4	231.9	221.6	207.8	216.0
	Delhi	112.0	113.1	111.0	99.0	97.5	89.4	99.2
	UP	444.7	438.2	390.5	349.7	374.9	408.0	396.3
	Uttarakhand	40.0	39.6	38.9	38.9	39.3	34.3	37.3
	HP	30.6	31.9	31.6	28.7	31.2	26.5	27.8
	J&K	44.8	42.6	45.1	40.9	43.5	44.5	42.9
	Chandigarh	6.3	6.3	5.6	5.4	5.6	5.4	5.3
WR	Chhattisgarh	94.7	95.8	95.6	93.5	90.5	90.3	81.8
	Gujarat	261.0	257.6	219.2	231.2	241.6	229.2	241.7
	MP	199.1	200.5	193.5	185.9	183.9	183.1	186.4
	Maharashtra	373.3	362.6	360.4	350.5	339.1	303.7	322.1
	Goa	8.2	8.7	8.7	8.8	8.7	7.2	7.2
	DD	5.3	5.6	5.6	5.7	5.7	3.9	4.7
	DNH	14.8	15.1	14.7	15.2	15.2	12.8	13.8
	Essar steel	17.8	17.8	17.7	17.6	16.7	17.8	17.2
SR	Andhra Pradesh	158.7	165.1	163.3	160.2	157.8	144.6	142.6
	Telangana	198.3	200.7	207.6	185.3	176.1	146.4	118.7
	Karnataka	145.3	150.6	153.7	156.9	160.6	150.2	136.3
	Kerala	55.8	58.8	61.7	63.5	64.3	61.2	58.9
	Tamil Nadu	256.1	281.6	278.3	287.3	291.7	275.3	260.4
	Pondy	7.3	7.7	7.9	8.0	8.1	6.9	7.0
ER	Bihar	115.9	116.6	98.6	106.3	113.6	115.8	108.1
	DVC	64.6	65.5	64.1	62.8	65.9	64.0	62.3
	Jharkhand	27.8	28.2	27.3	27.5	29.0	28.2	26.3
	Odisha	87.2	88.4	88.8	86.6	83.1	75.4	76.4
	West Bengal	170.0	173.6	178.0	176.1	173.5	152.9	153.7
	Sikkim	0.9	1.0	1.0	1.0	1.0	0.9	0.9
NER	Arunachal Pradesh	1.9	2.3	2.0	2.1	2.0	1.9	1.8
	Assam	32.8	33.6	35.8	36.0	34.9	30.6	30.3
	Manipur	2.7	2.6	2.6	2.6	2.7	2.6	2.5
	Meghalaya	5.0	5.2	5.1	5.3	5.5	5.5	5.2
	Mizoram	1.5	1.6	1.6	1.6	1.6	1.5	1.5
	Nagaland	2.3	2.4	2.2	2.2	2.3	2.3	2.3
	Tripura	5.2	5.2	5.0	5.5	5.0	4.2	3.9
<b>ALL INDIA TOTAL</b>		<b>3678.3</b>	<b>3688.4</b>	<b>3611.5</b>	<b>3505.6</b>	<b>3520.0</b>	<b>3367.0</b>	<b>3342.7</b>

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

साप्ताहिक रिपोर्ट (10 अगस्त 2020 से 16 अगस्त 2020 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	10-08-2020	11-08-2020	12-08-2020	13-08-2020	14-08-2020	15-08-2020	16-08-2020
East to North	-90.5	-89.2	-85.3	-75.7	-76.8	-69.9	-73.0
East to West	62.2	66.5	68.1	66.9	48.7	38.2	56.8
East to South	-74.7	-69.9	-68.1	-69.6	-58.5	-64.3	-63.8
East to North-East	-13.2	-12.1	-14.4	-18.2	-17.2	-15.2	-14.0
North-East to North	-17.0	-17.0	-16.9	-17.3	-16.9	-16.9	-17.1
West to North	-263.8	-244.0	-234.2	-192.8	-213.3	-219.8	-230.6
West to South	-13.9	2.0	-17.9	-36.8	-37.0	-36.1	-5.0

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

**साप्ताहिक रिपोर्ट (10 अगस्त 2020 से 16 अगस्त 2020 तक)**

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश BANGLADESH		
	Energy Exchange	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
10-08-2020	53.7	2237	-3.3	-200	-139	-25.2	-1084	-1049
11-08-2020	54.3	2262	-3.0	-291	-125	-25.5	-1105	-1064
12-08-2020	54.7	2279	-2.4	-202	-101	-25.8	-1158	-1075
13-08-2020	54.9	2289	-2.6	-285	-109	-25.8	-1113	-1076
14-08-2020	53.8	2240	-3.8	-346	-158	-25.6	-1102	-1068
15-08-2020	54.5	2271	-2.4	-270	-102	-25.6	-1108	-1067
16-08-2020	54.6	2273	-3.4	-349	-142	-25.1	-1076	-1045
कुल Total	380.4		-21.0			-178.7		

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

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Reival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	ER	1) 132KV Motihari(DMTCL)-Bettiah 1& 2 132KV Motihari(DMTCL)-Dhaka GSS	2) ER/DMTCL	12.08.20	23:45	13.08.20	00:13	00:28	At 23:45 Hrs on 12.08.20, total power failure occurred at 400/132 KV Motihari S/S due to tripping of 400/132 KV, 200MVA ICT-1 on Directional O/C from 132KV side. Motihari (DMTCL) were supplying radial load of Bettiah, Mothari.	Nil	180	GD-1
2	NER	1)132 kv Melriat-Zuangtui	Mizoram	13.08.20	08:50	13.08.20	09:14	00:24	At 08:50 Hrs, 132 kv Melriat-Zuangtui tripped with indication Melriat: B-ph, Z-3, 26.3 km, 0.621 kA ; Zuangtui : Loss of Voltage, resulting in power loss in Zuangtui area of Mizoram state.	Nil	39	GD-1
3	NER	1) 132 kv Pare - Lekhi 2) 132kv Lekhi - Nirjuli	NER/ARUNA CHAL PRADESH	14.08.20	05:23	14.08.20	05:57	00:34	At 05:23 Hrs of 14/08/2020, 132 kv Pare-Lekhi T/L (Pare: B-ph, Z-3, 27.44 km) & 132kv Lekhi-Nirjuli T/L (Lekhi: O/C) tripped resulting in blackout of the radially fed 132 kv Lekhi, Nirjuli substations .	Nil	39	GD-1
4	WR	1) 220 kv Satna PG – Chhatarpur 2) 220 kv Satna MP – Chhatarpur 3) 132 kv Bijawar Chhatarpur 220 kv / 132 kv ICT 1 & 2 at Chhatarpur 5) 132 kv Chhatarpur - Khajurao 6) 132 kv Chhatarpur Nowgaon 132 kv Chhatarpur - Loudi	4) 7) MPPTCL	14.08.20	10:44	14.08.20	11:42	00:58	At 10:44 hrs , 220 kv Satna PG, 220 kv Satna PG – Chhatarpur tripped on Y-B phase fault. Incidentally outage was being availed on 220 kv Satna MP – Chhatarpur for maintenance work. At 11:11hrs, 132 kv Bijawar Hatta also tripped. As all incoming feeders tripped, 132 kv Chhatarpur substation became dark.	Nil	110	GD-1
5	WR	1) 220 kv Vita – Karad 1 & 2 2) 220 kv Vita – Khanapur 3) 220 kv Vita- Aikadi 4) 220 kv Vita - Mhaical 5) 220 kv Vita – Wajphale 6) 220 kv Vita - Ghatnandre 7) 220 kv Vita - Hwarwadi 8) 220 kv / 66kv ICT 1 & 2 (50 MVA) at Vita	MSPTCL	14.08.20	12:16	14.08.20	18:57	06:41	At 12:16hrs due to R-Phase jumper of Karad-1 snapped at 220kv Vita S/S, all feeders tripped due to tripping of both the buses at 220 kv Vita s/s, resulting in loss of wind generation and also load at Vita. Wind generation loss was observed to be 315 MW which was restored by 13:50 hrs.	315	20	GD-1
6	NER	1) 132 kv Palatana - SM Nagar 2) 132 kv RC Nagar - Agartala - 1 & 2 3) 132 kv RC Nagar - Kumarghat 4) 132 kv Agartala - Rokhia - 1 & 2 5) 132 kv Agartala - Dhalabil 132 kv Agartala - Budjunnagar 132 kv SM Nagar - Agartala - 1 & 2 8)132 kv SM Nagar - Commilla - 1 & 2	6) 7) AGTCCPP	14.08.20	18:58	14.08.20	19:30	00:32	At around 18:58Hrs, 132kv Surajmaninagar, 132kv Agartala and 132kv Budjunnagar substation became dead due to tripping of lines.	81	235	GD-1
7	ER	1) 220 KV Biharsharif-IGCIL Ckt- 2 & 3 2) 220/132 KV, 150MVA Transformer - 01 3) 220/132 KV, 150MVA Transformer - 02 4) 220/132 KV, 150MVA Transformer - 03 5) 220 KV Biharsharif – TTFS T/L 6) 132 KV Biharsharif–Sheikhpura Ckt 1	BSPTCL	14.08.20	20:23	14.08.20	21:54	01:31	At 20:23 hrs, Biharsharif, Sheikhpura, Nalanda, Rajgir S/S is tripped. During Line patrolling it was found that Y phase Conductor snapped in 220 kv Biharsharif- TTFS at loc. No. 496-497 and fall on 132 kv D/C Biharsharif- Sheikhpura T/L (tower locno. 10 from Biharsharif grid). Due to which total Power failure at 132 kv Level occurred.	Nil	332	GD-1
8	ER	1) Unit-1 (500 MW) Bokaro A 2) 2*400/220 KV 315 MVA ICT I & II Bokaro A 3) 220 KV Bokaro B-Ramgarh D/C 220 KV Bokaro B-Jamshedpur (DVC) D/c 5) 220 KV Bokaro B-CTPSB(Chandrapura)D/c 6) 2*150 MVA 220/132 KV ICTs at Bokaro B	4) DVC	16.08.20	01:52	16.08.20	02:05	00:13	At 01:52 Hrs, Bokaro, Ramgarh, Patratu, North Karpura S/S is tripped. As reported, Y_ph CT burst in 220 KV Bokaro B-Jamshedpur II at Jamshedpur end. Inclement weather reported. 397 MW load loss occurred in Bokaro-Ramgarh, Patratu area.	410	397	GD-1