



National Load Despatch Centre  
राष्ट्रीय भार प्रेषण केंद्र  
POWER SYSTEM OPERATION CORPORATION LIMITED  
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
(Government of India Enterprise/ भारत सरकार का उद्यम)  
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016  
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 08<sup>th</sup> Nov 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- कार्यकारी 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
- कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093  
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 07.11.2019.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-नवम्बर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 07<sup>th</sup> Nov 2019, is available at the NLDC website.

धन्यवाद,

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

Report for previous day

Date of Reporting

8-Nov-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41044	44573	38584	18158	2450	144809
Peak Shortage (MW)	275	0	0	0	46	321
Energy Met (MU)	829	1002	877	350	43	3101
Hydro Gen (MU)	138	39	116	58	12	363
Wind Gen (MU)	14	24	13	-----	-----	51
Solar Gen (MU)*	30.34	16.3	76.62	1.99	0.04	125
Energy Shortage (MU)	4.3	0.0	0.0	0.0	1.2	5.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	40911 18:50	45755 18:39	40159 18:56	18443 18:58	2575 17:21	147156 18:36

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.038	0.00	0.00	0.00	0.00	61.03	38.97

C. Power Supply Position in States

Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	4669	0	95.3	43.6	-1.4	76	0.0
	Haryana	5778	0	112.8	103.6	0.3	273	0.0
	Rajasthan	10053	0	207.9	60.5	-3.4	363	0.0
	Delhi	3399	0	65.5	50.0	-0.8	141	0.0
	UP	14367	0	265.5	123.3	1.2	750	0.0
	Uttarakhand	1752	0	34.8	19.8	0.4	173	0.0
	HP	1423	0	26.5	17.2	0.2	99	0.1
	J&K	1101	275	17.8	26.6	-16.3	201	4.2
WR	Chandigarh	187	0	3.5	3.4	0.1	23	0.0
	Chhattisgarh	3533	0	74.8	28.6	-0.5	206	0.0
	Gujarat	13195	0	285.2	76.4	0.1	501	0.0
	MP	10062	0	199.3	137.3	-3.5	372	0.0
	Maharashtra	18486	0	397.7	130.3	-3.2	450	0.0
	Goa	541	0	12.7	12.1	0.0	37	0.0
	DD	323	0	7.2	6.8	0.4	37	0.0
	DNH	782	0	18.1	18.2	-0.1	38	0.0
SR	Essar steel	6946	0	7.0	6.8	0.2	273	0.0
	Andhra Pradesh	7942	0	173.5	80.6	1.1	630	0.0
	Telangana	7713	0	159.2	58.4	0.5	245	0.0
	Karnataka	8606	0	171.4	38.6	2.7	639	0.0
	Kerala	3645	0	70.7	54.2	0.9	241	0.0
	Tamil Nadu	13971	0	295.0	146.1	-1.1	540	0.0
	Pondy	358	0	7.2	7.6	-0.4	31	0.0
	ER	Bihar	4351	0	74.4	71.2	-1.3	50
DVC		2960	0	60.7	-21.9	0.0	100	0.0
Jharkhand		1144	0	23.7	15.6	-1.0	200	0.0
Odisha		3584	0	71.2	3.9	0.7	60	0.0
West Bengal		6781	0	118.6	39.5	3.0	100	0.0
NER	Sikkim	100	0	1.1	1.5	-0.4	10	0.0
	Arunachal Pradesh	111	2	2.0	2.0	-0.2	41	0.1
	Assam	1521	36	24.9	19.2	-0.1	125	0.6
	Manipur	158	3	2.5	2.3	0.2	24	0.2
	Meghalaya	334	0	5.7	2.6	0.0	48	0.0
	Mizoram	92	1	1.7	1.1	-0.1	14	0.1
	Nagaland	118	2	2.0	2.0	-0.3	18	0.1
	Tripura	244	2	4.2	3.0	-0.1	36	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual(MU)	14.7	-1.2	-23.7
Day peak (MW)	745.5	-193.0	-1096.0

E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	188.8	-189.3	87.3	-87.4	0.2	-0.4
Actual(MU)	160.4	-198.7	118.1	-87.2	2.5	-5.0
O/D/U/D(MU)	-28.5	-9.5	30.9	0.2	2.3	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4083	17683	7582	965	563	30876
State Sector	13161	19250	9463	5690	11	47575
Total	17244	36932	17045	6655	575	78451

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	430	1046	416	406	10	2308
Lignite	15	14	49	0	0	77
Hydro	138	39	116	58	12	363
Nuclear	28	24	55	0	0	106
Gas, Naptha & Diesel	29	31	16	0	24	100
RES (Wind, Solar, Biomass & Others)	52	49	122	2	0	225
Total	691	1203	773	466	46	3179

Share of RES in total generation (%)	7.52	4.08	15.74	0.44	0.09	7.07
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.50	9.33	37.75	12.96	26.67	21.84

H. Diversity Factor

All India Demand Diversity Factor	1.005
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Diversity factor = Sum of regional maximum demands / All India maximum demand

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES								Date of Reporting :	8-Nov-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	0	501	0.0	7.4	-7.4	
2		SASARAM-FATEHPUR	S/C	0	333	0.0	4.2	-4.2	
3		GAYA-BALIA	S/C	0	307	0.0	5.8	-5.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	163	0.0	3.3	-3.3	
7		PUSAULI -ALLAHABAD	S/C	0	108	0.0	1.5	-1.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	705	0.0	8.7	-8.7	
9		PATNA-BALIA	Q/C	0	940	0.0	18.7	-18.7	
10		BIHARSHARIFF-BALIA	D/C	0	244	0.0	3.5	-3.5	
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	59	193	0.0	0.6	-0.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	15	50	0.0	0.7	-0.7	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4	
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						<b>ER-NR</b>	<b>0.4</b>	<b>59.1</b>	<b>-58.8</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	993	0	14.9	0.0	14.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	574	187	4.9	0.0	4.9	
20		JHARSUGUDA-DURG	D/C	69	154	0.0	1.2	-1.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	92	358	3.3	0.0	3.3	
22		RANCHI-SIPAT	D/C	118	16	1.6	0.0	1.6	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	16	76	0.0	0.7	-0.7	
24		BUDHIPADAR-KORBA	D/C	89	1	1.1	0.0	1.1	
						<b>ER-WR</b>	<b>25.8</b>	<b>1.8</b>	<b>23.9</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2152.0	0.0	36.8	-36.8	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	526.0	0.0	12.3	-12.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1984.0	0.0	40.0	-40.0	
28	400 kV	TALCHER-I/C	D/C	564.0	1001.0	0.0	5.9	-5.9	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						<b>ER-SR</b>	<b>0.0</b>	<b>89.0</b>	<b>-89.0</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	102	268	0.0	0.0	0	
31		ALIPURDUAR-BONGAIGAON	D/C	55	323	0.0	1.4	-1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	6	81	0.0	0.5	-1	
						<b>ER-NER</b>	<b>0.0</b>	<b>1.9</b>	<b>-1.9</b>
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0	
						<b>NER-NR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	499	0.0	11.0	-11.0	
35		V'CHAL B/B	D/C	451	0	3.4	0.0	3.4	
36		APL -MHG	D/C	0	1459	0.0	36.4	-36.4	
37	765 kV	GWALIOR-AGRA	D/C	0	1815	0.0	33.5	-33.5	
38		PHAGI-GWALIOR	D/C	0	1091	0.0	16.2	-16.2	
39		JABALPUR-ORAI	D/C	0	672	0.0	23.8	-23.8	
40		GWALIOR-ORAI	S/C	480	0	8.9	0.0	8.9	
41		SATNA-ORAI	S/C	0	1214	0.0	25.5	-25.5	
42		CHITTORGARH-BANASKANTHA	D/C	326	217	0.0	2.5	-2.5	
43		ZERDA-KANKROLI	S/C	141	1	0.9	0.0	0.9	
44	400 kV	ZERDA -BHINMAL	S/C	247	170	1.1	0.8	0.3	
45		V'CHAL -RIHAND	S/C	991	0	22.1	0.0	22.1	
46		RAPP-SHUJALPUR	D/C	285	97	1	0	1	
47	220 kV	BHANPURA-RANPUR	S/C	13	48	0.0	0.4	-0.4	
48		BHANPURA-MORAK	S/C	17	77	0.0	0.5	-0.5	
49		MEHGAON-AURAIYA	S/C	104	0	1.3	0.0	1.3	
50		MALANPUR-AURAIYA	S/C	59	11	0.5	0.0	0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>38.8</b>	<b>150.8</b>	<b>-111.9</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	1012	0.0	16.4	-16.4	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	429	1977	0.0	18.6	-18.6	
55		WARDHA-NIZAMABAD	D/C	0	2327	0.0	34.5	-34.5	
56	400 kV	KOLHAPUR-KUDGI	D/C	770	121	9.7	0.0	9.7	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	72	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	0	42	0.8	0.0	0.8	
						<b>WR-SR</b>	<b>10.5</b>	<b>70.9</b>	<b>-60.4</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						14.7	
61		NEPAL						-1.2	
62		BANGLADESH						-23.7	