



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: 02<sup>nd</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 01.11.2019.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01<sup>st</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

2-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)	42845	42327	34965	19510	2442	142089
Peak Shortage (MW)	538	190	0	0	70	798
Energy Met (MU)	899	942	740	378	44	3003
Hydro Gen (MU)	142	56	167	75	13	454
Wind Gen (MU)	17	37	23	-----	-----	77
Solar Gen (MU)*	21.26	19.09	60.98	1.76	0.04	103
Energy Shortage (MU)	14.9	0.3	0.0	0.0	0.7	15.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43820 19:15	43306 18:25	36336 18:51	19583 18:48	2596 17:33	144843 18:49

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	0.052	0.19	1.19	10.65	12.03	77.07	10.90

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	5426	0	111.3	44.7	-1.8	113	0.0
	Haryana	5783	0	122.5	112.6	-0.5	212	0.0
	Rajasthan	10699	0	210.8	63.9	-3.4	473	0.0
	Delhi	3434	0	69.0	53.0	-1.7	93	0.0
	UP	14926	0	276.9	121.7	-0.5	1294	4.4
	Uttarakhand	1653	0	33.3	21.8	0.4	115	0.0
	HP	1496	0	27.1	16.6	0.6	246	0.0
	J&K	2345	586	44.2	37.5	-1.3	184	10.5
Chandigarh	194	0	3.6	3.5	0.1	20	0.0	
WR	Chhattisgarh	3371	33	74.3	26.7	2.4	527	0.3
	Gujarat	12823	0	282.1	64.7	3.5	432	0.0
	MP	8518	0	180.7	128.6	-2.7	211	0.0
	Maharashtra	16671	0	362.2	119.4	-1.9	489	0.0
	Goa	541	0	12.3	11.5	0.2	33	0.0
	DD	322	0	7.1	6.5	0.6	43	0.0
	DNH	743	0	17.2	17.3	-0.1	38	0.0
	Essar steel	369	0	6.5	6.2	0.3	276	0.0
SR	Andhra Pradesh	7295	0	153.8	54.8	0.1	352	0.0
	Telangana	7088	0	150.8	37.0	0.0	571	0.0
	Karnataka	6608	0	121.0	13.0	-1.1	659	0.0
	Kerala	3296	0	62.3	42.8	0.9	181	0.0
	Tamil Nadu	12101	0	245.8	138.2	2.0	903	0.0
	Pondy	323	0	6.4	6.6	-0.2	46	0.0
ER	Bihar	4598	0	82.7	81.8	0.4	450	0.0
	DVC	2889	0	61.2	-9.4	-0.4	250	0.0
	Jharkhand	1222	0	24.4	15.5	-0.5	25	0.0
	Odisha	4315	0	83.3	6.3	0.4	300	0.0
	West Bengal	6996	0	124.9	49.0	-0.8	300	0.0
Sikkim	97	0	1.2	1.6	-0.4	30	0.0	
NER	Arunachal Pradesh	117	0	2.1	1.7	0.2	50	0.0
	Assam	1523	34	25.9	19.5	0.3	141	0.6
	Manipur	164	2	2.4	2.3	0.1	16	0.0
	Meghalaya	335	0	5.8	3.1	-0.1	5	0.0
	Mizoram	92	1	1.6	0.8	0.4	12	0.0
	Nagaland	121	2	2.3	2.0	0.1	20	0.0
Tripura	256	0	4.1	3.2	-0.2	68	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.3	0.0	-16.7
Day peak (MW)	770.7	-98.0	-810.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	213.7	-235.7	65.4	-44.2	-1.0	-1.7
Actual(MU)	208.1	-231.0	64.5	-45.2	0.2	-3.5
O/D/U/D(MU)	-5.7	4.7	-0.9	-1.0	1.2	-1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5205	18733	11622	1870	584	38014
State Sector	12841	21972	13003	5910	19	53745
Total	18046	40704	24625	7780	604	91759

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	450	997	277	344	11	2079
Lignite	18	15	47	0	0	80
Hydro	142	56	167	75	13	454
Nuclear	28	22	59	0	0	109
Gas, Naptha & Diesel	24	38	16	0	24	102
RES (Wind, Solar, Biomass & Others)	47	61	114	2	0	223
Total	710	1189	679	421	48	3047

Share of RES in total generation (%)	6.56	5.16	16.73	0.43	0.08	7.33
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.53	11.67	50.11	18.33	27.64	25.80

H. Diversity Factor

All India Demand Diversity Factor	1.006
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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 :	2-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	122	375	0.0	3.8	-3.8	
2		SASARAM-FATEHPUR	S/C	69	193	0.0	1.7	-1.7	
3		GAYA-BALIA	S/C	0	318	0.0	5.4	-5.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	401	0.0	9.8	-9.8	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	207	0.0	4.0	-4.0	
7		PUSAULI -ALLAHABAD	S/C	0	67	0.0	0.7	-0.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	20	516	0.0	5.6	-5.6	
9		PATNA-BALIA	Q/C	0	927	0.0	17.3	-17.3	
10		BIHARSHARIFF-BALIA	D/C	54	157	0.0	1.4	-1.4	
11		MOTIHARI-GORAKHPUR	D/C	0	6	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	231	36	2.4	0.0	2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	24	49	0.0	0.5	-0.5	
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>2.8</b>	<b>54.9</b>	<b>-52.1</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1448	0	23.4	0.0	23.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	974	0	13.4	0.0	13.4	
20		JHARSUGUDA-DURG	D/C	165	30	1.5	0.0	1.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	730	67	8.2	0.0	8.2	
22		RANCHI-SIPAT	D/C	268	0	5.1	0.0	5.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	24	60	0.0	0.4	-0.4	
24		BUDHIPADAR-KORBA	D/C	99	0	1.3	0.0	1.3	
						<b>ER-WR</b>	<b>52.9</b>	<b>0.4</b>	<b>52.5</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1625.0	0.0	23.3	-23.3	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	420.0	0.0	9.9	-9.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1189.0	0.0	21.0	-21.0	
28	400 kV	TALCHER-I/C	D/C	78.0	484.0	0.0	6.8	-6.8	
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>54.2</b>	<b>-54.2</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	610	0.0	5.7	-6	
31		ALIPURDUAR-BONGAIGAON	D/C	75	433	0.0	2.7	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	138	0.0	1.3	-1	
						<b>ER-NER</b>	<b>0.0</b>	<b>9.7</b>	<b>-9.7</b>
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	404	0.0	9.5	-9.5	
						<b>NER-NR</b>	<b>0.0</b>	<b>9.5</b>	<b>-9.5</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	16.2	-16.2	
35		V'CHAL B/B	D/C	452	21	8.1	0.0	8.1	
36		APL -MHG	D/C	0	1077	0.0	26.7	-26.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2467	0.0	47.1	-47.1	
38		PHAGI-GWALIOR	D/C	0	1445	0.0	23.5	-23.5	
39		JABALPUR-ORAI	D/C	0	848	0.0	32.4	-32.4	
40		GWALIOR-ORAI	S/C	468	0	8.6	0.0	8.6	
41		SATNA-ORAI	S/C	0	1436	0.0	31.0	-31.0	
42		CHITTORGARH-BANASKANTHA	D/C	0	1013	0.0	9.3	-9.3	
43		ZERDA-KANKROLI	S/C	19	158	0.0	0.8	-0.8	
44	400 kV	ZERDA -BHINMAL	S/C	51	325	0.1	1.9	-1.8	
45		V'CHAL -RIHAND	S/C	978	0	22.6	0.0	22.6	
46	220 kV	RAPP-SHUJALPUR	D/C	91	365	0	1	-1	
47		BHANPURA-RANPUR	S/C	25	35	0.1	0.3	-0.2	
48		BHANPURA-MORAK	S/C	14	97	0.0	0.6	-0.6	
49		MEHGAON-AURAIYA	S/C	80	9	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	41	33	0.1	0.4	-0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>39.9</b>	<b>191.5</b>	<b>-151.6</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	1012	0.0	12.5	-12.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1177	1750	5.1	9.6	-4.5	
55		WARDHA-NIZAMABAD	D/C	24	1907	0.0	21.2	-21.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	936	0	12.0	0.0	12.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	63	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7	
						<b>WR-SR</b>	<b>17.8</b>	<b>44.5</b>	<b>-26.7</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						13.3	
61		NEPAL						0.0	
62		BANGLADESH						-16.7	