



**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: 03<sup>rd</sup> Nov 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
3. 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
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 02.11.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-नवम्बर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 02<sup>nd</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

3-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)	42233	42240	35307	19196	2490	141466
Peak Shortage (MW)	601	0	0	0	79	680
Energy Met (MU)	884	940	774	373	44	3014
Hydro Gen (MU)	139	58	172	68	13	450
Wind Gen (MU)	15	21	8	-----	-----	43
Solar Gen (MU)*	15.38	13.6	72.58	1.76	0.06	103
Energy Shortage (MU)	12.8	0.0	0.4	0.0	1.0	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42882 18:45	43127 18:36	37245 18:34	19286 18:53	2512 17:34	144647 18:35

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	0.034	0.00	0.27	6.41	6.68	80.30	13.02

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	5128	0	108.5	46.6	-1.6	68	0.0
	Haryana	5623	0	117.4	106.9	-0.3	156	0.0
	Rajasthan	10192	0	205.0	65.7	-6.1	177	0.0
	Delhi	3251	0	64.8	49.5	-1.4	95	0.0
	UP	14802	0	281.4	116.4	0.4	1014	2.4
	Uttarakhand	1650	0	33.2	22.6	-0.1	133	0.0
	HP	1439	0	26.7	17.1	-0.2	190	0.0
	J&K	2205	551	43.9	37.8	-1.4	306	10.4
WR	Chandigarh	183	0	3.5	3.1	0.4	47	0.0
	Chhattisgarh	3454	0	74.1	28.7	0.9	295	0.0
	Gujarat	13064	0	278.5	64.4	3.8	444	0.0
	MP	8826	0	184.0	133.5	-1.4	301	0.0
	Maharashtra	17259	0	360.6	125.5	-1.8	725	0.0
	Goa	541	0	12.3	11.6	0.1	22	0.0
	DD	303	0	6.9	6.5	0.4	42	0.0
	DNH	738	0	17.2	17.4	-0.2	31	0.0
SR	Essar steel	342	0	6.2	5.9	0.3	283	0.0
	Andhra Pradesh	7342	0	155.2	57.4	-0.4	423	0.1
	Telangana	7085	0	150.5	36.8	-0.8	338	0.1
	Karnataka	7252	0	142.8	30.9	2.8	498	0.1
	Kerala	3316	0	65.0	45.4	1.1	195	0.0
	Tamil Nadu	12098	0	253.6	139.4	1.4	496	0.1
	Pondy	347	0	6.8	7.0	-0.2	36	0.0
	ER	Bihar	4528	0	79.5	79.1	0.0	400
DVC		2853	0	60.7	-18.1	-0.3	175	0.0
Jharkhand		1275	0	23.9	16.1	-0.7	75	0.0
Odisha		4142	0	84.1	8.6	-0.7	300	0.0
West Bengal		6814	0	123.3	48.2	0.7	350	0.0
Sikkim		100	0	1.2	1.6	-0.4	25	0.0
NER	Arunachal Pradesh	109	4	2.1	1.7	0.3	58	0.0
	Assam	1523	58	25.2	19.7	-0.6	73	1.0
	Manipur	164	7	2.5	2.3	0.2	37	0.0
	Meghalaya	334	8	5.8	3.1	0.0	35	0.0
	Mizoram	97	4	1.9	0.7	0.9	23	0.0
	Nagaland	116	4	2.1	2.0	-0.1	12	0.0
	Tripura	264	11	4.1	3.4	-0.2	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.6	0.3	-20.2
Day peak (MW)	489.4	-75.0	-1099.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	213.0	-229.2	63.8	-48.8	-0.2	-1.5
Actual(MU)	203.3	-225.3	74.1	-55.4	1.1	-2.2
O/D/U/D(MU)	-9.7	3.9	10.4	-6.6	1.3	-0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5205	19098	10372	1870	563	37108
State Sector	12976	21955	12323	6120	19	53393
Total	18181	41052	22695	7990	583	90501

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	457	1006	299	368	11	2141
Lignite	18	15	48	0	0	81
Hydro	139	58	172	68	13	450
Nuclear	28	22	51	0	0	102
Gas, Naptha & Diesel	25	39	15	0	24	103
RES (Wind, Solar, Biomass & Others)	38	41	111	2	0	191
Total	705	1180	697	438	48	3067

Share of RES in total generation (%)	5.33	3.44	15.93	0.41	0.13	6.23
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.04	10.19	47.97	15.99	27.39	24.20

H. Diversity Factor

All India Demand Diversity Factor	1.003
-----------------------------------	-------

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 :	3-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	148	369	0.0	4.0	-4.0	
2		SASARAM-FATEHPUR	S/C	60	229	0.0	1.8	-1.8	
3		GAYA-BALIA	S/C	0	301	0.0	5.6	-5.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	400	0.0	9.7	-9.7	
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	197	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	70	0.0	0.7	-0.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	559	0.0	5.5	-5.5	
9		PATNA-BALIA	Q/C	0	889	0.0	17.1	-17.1	
10		BIHARSHARIFF-BALIA	D/C	46	149	0.0	1.6	-1.6	
11		MOTIHARI-GORAKHPUR	D/C	2	5	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	211	57	2.1	0.0	2.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	16	47	0.0	0.6	-0.6	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6	
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>2.7</b>	<b>55.1</b>	<b>-52.4</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1216	0	16.9	0.0	16.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	777	94	10.6	0.0	10.6	
20		JHARSUGUDA-DURG	D/C	86	126	0.0	0.1	-0.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	675	0	10.4	0.0	10.4	
22		RANCHI-SIPAT	D/C	251	0	4.4	0.0	4.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	25	64	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	92	0	1.4	0.0	1.4	
<b>ER-WR</b>						<b>43.6</b>	<b>0.6</b>	<b>43.0</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1679.0	0.0	26.2	-26.2	
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	1386.0	0.0	25.2	-25.2	
28	400 kV	TALCHER-I/C	D/C	127.0	655.0	0.0	6.0	-6.0	
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>61.2</b>	<b>-61.2</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	555	0.0	5.6	-6	
31		ALIPURDUAR-BONGAIGAON	D/C	78	252	0.0	0.9	-1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	133	0.0	1.3	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>7.8</b>	<b>-7.8</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	300	0.0	7.3	-7.3	
<b>NER-NR</b>						<b>0.0</b>	<b>7.3</b>	<b>-7.3</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1003	0.0	27.6	-27.6	
35		V'CHAL B/B	D/C	452	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1077	0.0	26.7	-26.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2363	0.0	41.9	-41.9	
38		PHAGI-GWALIOR	D/C	0	1333	0.0	22.0	-22.0	
39		JABALPUR-ORAI	D/C	0	803	0.0	28.5	-28.5	
40		GWALIOR-ORAI	S/C	442	0	8.4	0.0	8.4	
41		SATNA-ORAI	S/C	0	1418	0.0	30.2	-30.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	872	0.0	9.1	-9.1	
43		ZERDA-KANKROLI	S/C	66	106	0.1	1.0	-0.9	
44	400 kV	ZERDA -BHINMAL	S/C	197	256	0.4	2.4	-2.0	
45		V'CHAL -RIHAND	S/C	985	0	22.8	0.0	22.8	
46	220 kV	RAPP-SHUJALPUR	D/C	156	290	1	2	-1	
47		BHANPURA-RANPUR	S/C	14	30	0.0	0.2	-0.2	
48		BHANPURA-MORAK	S/C	26	71	0.1	0.4	-0.3	
49		MEHGAON-AURAIYA	S/C	80	2	0.7	0.0	0.7	
50		MALANPUR-AURAIYA	S/C	78	28	0.1	0.2	-0.1	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>45.3</b>	<b>192.0</b>	<b>-146.7</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	1006	0.0	13.8	-13.8	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1017	1910	3.8	13.1	-9.2	
55		WARDHA-NIZAMABAD	D/C	114	1760	0.0	20.6	-20.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	962	84	9.6	0.0	9.6	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	65	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	38	0.7	0.0	0.7	
<b>WR-SR</b>						<b>14.1</b>	<b>48.7</b>	<b>-34.6</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>10.6</b>	
61		NEPAL						<b>0.3</b>	
62		BANGLADESH						<b>-20.2</b>	