



**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: 01<sup>st</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., डोंगतिह, 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 31.10.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-अक्टूबर-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 31<sup>st</sup> Oct 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

1-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)	42134	41012	34052	18983	2485	138666
Peak Shortage (MW)	505	0	0	74	40	619
Energy Met (MU)	887	914	741	371	44	2957
Hydro Gen (MU)	140	49	165	80	16	450
Wind Gen (MU)	2	35	59	-----	-----	96
Solar Gen (MU)*	29.28	21.3	47.35	1.88	0.04	100
Energy Shortage (MU)	14.1	0.0	0.0	0.2	0.5	14.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44353 18:43	42023 18:37	35825 18:32	19221 18:27	2633 17:34	143527 18:37

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	0.028	0.00	0.13	5.29	5.42	83.08	11.50

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	5469	0	112.4	60.0	-1.6	29	0.0
	Haryana	5951	0	119.5	117.6	0.4	251	0.0
	Rajasthan	10464	0	209.7	70.4	-2.0	240	0.0
	Delhi	3464	0	67.6	52.8	-1.0	96	0.0
	UP	14721	0	273.2	122.2	0.1	508	3.9
	Uttarakhand	1594	0	31.9	20.9	-0.2	145	0.0
	HP	1430	0	26.4	16.0	0.1	187	0.0
	J&K	2223	556	42.8	36.3	-1.4	152	10.2
WR	Chandigarh	195	0	3.6	3.5	0.1	17	0.0
	Chhattisgarh	3474	0	75.1	26.9	-0.4	211	0.0
	Gujarat	11481	0	261.5	64.5	4.0	450	0.0
	MP	8196	0	175.0	119.8	-1.6	283	0.0
	Maharashtra	16891	0	360.6	120.7	-2.2	457	0.0
	Goa	541	0	12.3	11.5	0.2	67	0.0
	DD	307	0	6.8	6.2	0.6	85	0.0
	DNH	730	0	17.0	16.9	0.1	54	0.0
SR	Essar steel	301	0	5.6	5.7	-0.1	298	0.0
	Andhra Pradesh	7149	0	148.7	52.6	-1.5	277	0.0
	Telangana	7188	0	148.6	39.0	-0.3	364	0.0
	Karnataka	7281	0	146.8	18.5	-1.1	543	0.0
	Kerala	3031	0	60.6	42.9	0.9	152	0.0
	Tamil Nadu	11138	0	230.7	129.0	-2.3	585	0.0
	Pondy	315	0	6.1	6.5	-0.4	82	0.0
	ER	Bihar	4675	0	82.6	80.7	1.4	200
DVC		2855	0	61.3	-9.6	1.3	50	0.0
Jharkhand		1145	0	23.8	15.2	-0.5	70	0.2
Odisha		3878	0	78.3	1.6	0.6	120	0.0
West Bengal		6822	0	123.7	44.3	0.1	150	0.0
Sikkim		100	0	1.1	1.3	-0.2	9	0.0
NER	Arunachal Pradesh	120	1	1.8	1.6	0.1	23	0.0
	Assam	1590	60	26.5	19.6	1.3	134	0.5
	Manipur	145	1	2.4	2.2	0.2	27	0.0
	Meghalaya	345	0	6.0	0.8	0.3	51	0.0
	Mizoram	98	2	1.7	0.9	0.4	8	0.0
	Nagaland	123	1	2.0	2.0	-0.3	11	0.0
	Tripura	259	1	3.8	3.1	-0.4	26	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	17.4	-0.2	-19.2
Day peak (MW)	901.6	-187.8	-840.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	233.3	-231.5	68.2	-66.2	-3.6	0.2
Actual(MU)	222.7	-233.1	59.7	-51.9	-1.1	-3.7
O/D/U/D(MU)	-10.6	-1.6	-8.6	14.3	2.5	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2627	18673	11372	3080	563	36315
State Sector	11621	23313	13443	6680	19	55076
Total	14248	41985	24815	9760	583	91391

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	439	968	265	344	11	2026
Lignite	20	15	45	0	0	80
Hydro	140	50	165	80	16	450
Nuclear	28	34	60	0	0	121
Gas, Naptha & Diesel	24	35	16	0	24	99
RES (Wind, Solar, Biomass & Others)	38	60	137	2	0	237
Total	689	1162	688	425	50	3014

Share of RES in total generation (%)	5.52	5.18	19.92	0.44	0.08	7.87
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.93	12.34	52.66	19.17	31.03	26.84

H. Diversity Factor

All India Demand Diversity Factor	1.004
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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 :	1-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	9	373	0.0	4.6	-4.6	
2		SASARAM-FATEHPUR	S/C	4	272	0.0	2.8	-2.8	
3		GAYA-BALIA	S/C	0	321	0.0	6.0	-6.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	401	0.0	9.3	-9.3	
5		PUSAULI B/B	S/C	0	198	0.0	5.0	-5.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	199	0.0	4.0	-4.0	
7		PUSAULI -ALLAHABAD	S/C	0	77	0.0	0.8	-0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	582	0.0	7.5	-7.5	
9		PATNA-BALIA	Q/C	0	919	0.0	15.8	-15.8	
10		BIHARSHARIFF-BALIA	D/C	2	145	0.0	1.8	-1.8	
11		MOTIHARI-GORAKHPUR	D/C	0	6	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	160	38	2.0	0.0	2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	24	41	0.0	0.3	-0.3	
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>2.4</b>	<b>57.7</b>	<b>-55.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1196	0	22.0	0.0	22.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	771	0	12.0	0.0	12.0	
20		JHARSUGUDA-DURG	D/C	103	64	0.8	0.0	0.8	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	223	13	2.6	0.0	2.6	
22		RANCHI-SIPAT	D/C	242	0	4.7	0.0	4.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	7	56	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	102	0	1.7	0.0	1.7	
<b>ER-WR</b>						<b>43.7</b>	<b>0.6</b>	<b>43.2</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1619.0	0.0	24.1	-24.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	421.0	0.0	9.9	-9.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	795.0	0.0	17.3	-17.3	
28	400 kV	TALCHER-I/C	D/C	36.0	211.0	0.0	2.6	-2.6	
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>51.3</b>	<b>-51.3</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	388	0.0	3.8	-4	
31		ALIPURDUAR-BONGAIGAON	D/C	32	412	0.0	2.6	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	102	0.0	1.1	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>7.4</b>	<b>-7.4</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	535	0.0	9.0	-9.0	
<b>NER-NR</b>						<b>0.0</b>	<b>9.0</b>	<b>-9.0</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	18.9	-18.9	
35		V'CHAL B/B	D/C	230	0	6.1	0.0	6.1	
36		APL -MHG	D/C	0	1456	0.0	27.5	-27.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2366	0.0	47.4	-47.4	
38		PHAGI-GWALIOR	D/C	0	1227	0.0	25.5	-25.5	
39		JABALPUR-ORAI	D/C	0	815	0.0	33.7	-33.7	
40		GWALIOR-ORAI	S/C	430	0	8.6	0.0	8.6	
41		SATNA-ORAI	S/C	0	1340	0.0	29.2	-29.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	896	0.0	9.7	-9.7	
43		ZERDA-KANKROLI	S/C	0	97	0.0	1.3	-1.3	
44	400 kV	ZERDA -BHINMAL	S/C	0	265	0.0	4.0	-4.0	
45		V'CHAL -RIHAND	S/C	979	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	0	256	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	15	50	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	82	0.0	0.9	-0.9	
49		MEHGAON-AURAIYA	S/C	64	5	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	27	29	0.1	0.3	-0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>37.8</b>	<b>200.5</b>	<b>-162.7</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	813	0.0	8.3	-8.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	735	1124	2.1	6.2	-4.1	
55		WARDHA-NIZAMABAD	D/C	0	1713	0.0	25.7	-25.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	915	0	12.4	0.0	12.4	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	67	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	39	0.7	0.0	0.7	
<b>WR-SR</b>						<b>15.1</b>	<b>41.4</b>	<b>-26.3</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>17.4</b>	
61		NEPAL						<b>-0.2</b>	
62		BANGLADESH						<b>-19.2</b>	