



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: 31<sup>st</sup> Oct 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 30.10.2019.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-अक्टूबर-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 30<sup>th</sup> Oct 2019, is available at the NLDC website.

धन्यवाद,

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)	43121	40272	34740	18673	2526	139332
Peak Shortage (MW)	512	0	0	0	39	551
Energy Met (MU)	867	862	724	362	43	2858
Hydro Gen (MU)	140	52	160	80	16	448
Wind Gen (MU)	3	45	53	-----	-----	101
Solar Gen (MU)*	18.93	20.2	40.15	1.85	0.05	81
Energy Shortage (MU)	14.1	0.0	0.0	0.0	1.1	15.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43901 18:45	40851 18:41	35143 18:33	21517 17:51	2589 18:07	140780 18:41

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	0.027	0.00	0.21	4.39	4.59	83.69	11.71

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	5459	0	110.1	58.5	-1.5	19	0.0
	Haryana	5936	0	116.2	114.5	0.4	226	0.0
	Rajasthan	10140	0	201.3	70.6	-2.1	328	0.0
	Delhi	3648	0	68.4	53.4	-0.4	569	0.0
	UP	14544	0	268.2	120.2	1.0	665	3.9
	Uttarakhand	1599	0	30.9	19.6	0.0	113	0.0
	HP	1348	0	25.2	15.6	-0.4	231	0.0
	J&K	2186	546	43.3	37.0	-1.6	170	10.3
WR	Chandigarh	196	0	3.6	3.5	0.1	24	0.0
	Chhattisgarh	3378	0	74.0	25.2	0.2	277	0.0
	Gujarat	10917	0	234.9	40.0	3.9	675	0.0
	MP	7772	0	166.0	112.5	-1.6	373	0.0
	Maharashtra	16766	0	350.4	114.7	-1.7	407	0.0
	Goa	541	0	10.1	11.0	-1.5	76	0.0
	DD	286	0	5.8	5.3	0.5	60	0.0
	DNH	692	0	15.3	15.4	-0.1	63	0.0
SR	Essar steel	311	0	5.5	5.7	-0.2	291	0.0
	Andhra Pradesh	6950	0	149.8	56.6	-2.4	266	0.0
	Telangana	6961	0	145.8	39.1	-1.5	471	0.0
	Karnataka	6832	0	136.9	22.7	-2.6	710	0.0
	Kerala	3186	0	63.5	44.3	0.5	161	0.0
	Tamil Nadu	11200	0	221.8	133.5	-3.2	562	0.0
	Pondy	313	0	6.0	6.6	-0.6	48	0.0
	ER	Bihar	5031	0	79.4	78.1	0.8	150
DVC		3292	0	61.5	-16.3	0.3	250	0.0
Jharkhand		1106	0	22.7	14.2	-1.4	80	0.0
Odisha		4425	0	80.1	9.1	2.1	300	0.0
West Bengal		7698	0	117.4	39.7	0.9	450	0.0
Sikkim		100	0	0.9	1.2	-0.3	10	0.0
NER	Arunachal Pradesh	112	2	2.0	1.5	0.3	27	0.0
	Assam	1545	20	25.3	18.2	0.7	114	1.0
	Manipur	162	3	2.5	2.2	0.3	25	0.0
	Meghalaya	332	0	5.8	0.3	0.1	58	0.0
	Mizoram	93	1	1.8	1.0	0.2	8	0.0
	Nagaland	114	2	2.0	2.0	-0.2	21	0.0
	Tripura	267	2	4.0	3.2	-0.7	25	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	15.1	-0.5	-23.7
Day peak (MW)	757.1	-38.5	-1103.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.7	-240.3	74.0	-63.6	-5.4	0.4
Actual(MU)	239.3	-251.6	64.1	-42.1	-2.8	6.8
O/D/U/D(MU)	3.6	-11.3	-10.0	21.5	2.6	6.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2627	18693	10712	3080	563	35675
State Sector	12331	23782	13253	6180	11	55557
Total	14958	42475	23965	9260	575	91232

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	416	926	264	331	11	1948
Lignite	19	15	44	0	0	78
Hydro	140	52	160	80	16	448
Nuclear	28	36	60	0	0	123
Gas, Naptha & Diesel	22	34	16	0	25	97
RES (Wind, Solar, Biomass & Others)	31	72	124	2	0	229
Total	656	1134	667	412	52	2922

Share of RES in total generation (%)	4.68	6.36	18.54	0.46	0.10	7.82
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.22	14.11	51.48	19.81	31.69	27.38

H. Diversity Factor

All India Demand Diversity Factor	1.023
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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 :	31-Oct-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	116	522	0.0	5.0	-5.0	
2		SASARAM-FATEHPUR	S/C	64	255	0.0	1.7	-1.7	
3		GAYA-BALIA	S/C	0	342	0.0	5.9	-5.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	401	0.0	9.6	-9.6	
5		PUSAULI B/B	S/C	0	199	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	190	0.0	3.5	-3.5	
7		PUSAULI -ALLAHABAD	S/C	0	102	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	593	0.0	8.0	-8.0	
9		PATNA-BALIA	Q/C	0	918	0.0	14.8	-14.8	
10		BIHARSHARIFF-BALIA	D/C	42	180	0.0	2.4	-2.4	
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	197	104	1.4	0.0	1.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	33	36	0.0	0.1	-0.1	
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>1.7</b>	<b>57.0</b>	<b>-55.2</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1008484	0	24.7	0.0	24.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	875	0	12.5	0.0	12.5	
20		JHARSUGUDA-DURG	D/C	999999	37	2.2	0.0	2.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	264	0	4.0	0.0	4.0	
22		RANCHI-SIPAT	D/C	248	0	5.1	0.0	5.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	6	50	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	97	0	1.7	0.0	1.7	
						<b>ER-WR</b>	<b>50.1</b>	<b>0.6</b>	<b>49.5</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1722.0	0.0	25.0	-25.0	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	482.0	0.0	7.1	-7.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	700.0	0.0	17.0	-17.0	
28	400 kV	TALCHER-I/C	D/C	139.0	211.0	0.0	2.3	-2.3	
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>49.1</b>	<b>-49.1</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	283	0.0	3.4	-3	
31		ALIPURDUAR-BONGAIGAON	D/C	60	183	0.0	1.6	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	80	0.0	1.0	-1	
						<b>ER-NER</b>	<b>0.0</b>	<b>5.9</b>	<b>-5.9</b>
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	504	0.0	9.4	-9.4	
						<b>NER-NR</b>	<b>0.0</b>	<b>9.4</b>	<b>-9.4</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1507	0.0	24.8	-24.8	
35		V'CHAL B/B	D/C	452	0	8.8	0.0	8.8	
36		APL -MHG	D/C	0	1362	0.0	29.2	-29.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2457	0.0	47.6	-47.6	
38		PHAGI-GWALIOR	D/C	0	1395	0.0	21.7	-21.7	
39		JABALPUR-ORAI	D/C	0	914	0.0	31.8	-31.8	
40		GWALIOR-ORAI	S/C	415	0	7.1	0.0	7.1	
41		SATNA-ORAI	S/C	0	1504	0.0	31.2	-31.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	1072	0.0	11.7	-11.7	
43		ZERDA-KANKROLI	S/C	0	190	0.0	2.2	-2.2	
44	400 kV	ZERDA -BHINMAL	S/C	0	391	0.0	5.3	-5.3	
45		V'CHAL -RIHAND	S/C	979	0	22.7	0.0	22.7	
46	220 kV	RAPP-SHUJALPUR	D/C	83	298	0	2	-2	
47		BHANPURA-RANPUR	S/C	12	64	0.0	0.9	-0.9	
48		BHANPURA-MORAK	S/C	0	88	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	52	10	0.3	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	18	38	0.0	0.4	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>38.9</b>	<b>209.5</b>	<b>-170.6</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	813	0.0	10.1	-10.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	852	1103	3.1	9.5	-6.4	
55		WARDHA-NIZAMABAD	D/C	0	1774	0.0	25.1	-25.1	
56	400 kV	KOLHAPUR-KUDGI	D/C	938	0	10.3	0.0	10.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	61	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	36	0.7	0.0	0.7	
						<b>WR-SR</b>	<b>14.1</b>	<b>45.9</b>	<b>-31.8</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						15.1	
61		NEPAL						-0.5	
62		BANGLADESH						-23.7	