



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: 26<sup>th</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 25.11.2019.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25<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 26-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)	43415	48575	38436	17964	2331	150721
Peak Shortage (MW)	518	0	0	0	51	569
Energy Met (MU)	865	1137	892	333	40	3268
Hydro Gen (MU)	134	44	88	40	10	316
Wind Gen (MU)	10	36	53	-----	-----	99
Solar Gen (MU)*	29.33	21.62	83.40	1.76	0.04	136
Energy Shortage (MU)	10.5	0.0	0.0	0.0	0.8	11.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44247 18:19	51376 11:40	41656 00:00	18074 18:18	2312 18:59	155317 18:18

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	0.041	0.00	0.50	4.84	5.34	65.71	28.96

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	5297	0	101.7	41.0	-1.8	110	0.0
	Haryana	5926	0	114.5	94.0	1.1	188	0.0
	Rajasthan	11424	0	216.7	62.3	-1.1	266	0.0
	Delhi	3329	0	62.5	51.6	-0.8	118	0.0
	UP	14185	0	260.8	112.0	0.1	1026	0.0
	Uttarakhand	1723	0	33.1	20.8	0.4	213	0.0
	HP	1589	0	27.9	19.4	0.4	91	0.0
	J&K	2187	547	44.5	37.3	-0.3	201	10.5
	Chandigarh	193	0	3.2	3.2	0.0	33	0.0
WR	Chhattisgarh	3412	0	71.6	20.3	-1.6	285	0.0
	Gujarat	15879	0	334.9	102.0	-0.5	506	0.0
	MP	12889	0	248.2	146.3	-2.9	419	0.0
	Maharashtra	20909	0	438.0	129.9	0.4	340	0.0
	Goa	541	0	12.3	12.1	-0.4	35	0.0
	DD	321	0	7.0	6.4	0.6	51	0.0
	DNH	790	0	18.3	18.3	0.0	53	0.0
	Essar steel	342	0	6.3	6.1	0.2	295	0.0
	SR	Andhra Pradesh	8195	0	169.5	71.4	-0.5	523
Telangana		8460	0	178.7	71.1	-0.1	383	0.0
Karnataka		10670	0	196.3	41.2	2.8	1021	0.0
Kerala		3617	0	72.0	52.1	1.6	275	0.0
Tamil Nadu		13626	0	269.1	159.8	2.1	602	0.0
Pondy		362	0	6.8	7.3	-0.5	38	0.0
ER	Bihar	4023	0	66.6	68.3	-2.2	600	0.0
	DVC	2983	0	61.4	-30.6	-0.7	250	0.0
	Jharkhand	1226	0	24.4	18.1	-1.5	31	0.0
	Odisha	3838	0	72.1	5.9	-0.4	200	0.0
	West Bengal	6162	0	107.5	29.1	1.6	300	0.0
Sikkim	100	0	1.5	1.7	-0.2	30	0.0	
NER	Arunachal Pradesh	112	1	2.2	2.0	0.0	36	0.0
	Assam	1338	36	22.6	16.6	0.2	114	0.8
	Manipur	181	2	2.5	2.5	0.0	21	0.0
	Meghalaya	332	0	5.9	2.9	0.4	43	0.0
	Mizoram	98	1	1.7	1.0	-0.1	23	0.0
	Nagaland	127	2	2.1	2.0	-0.1	23	0.0
Tripura	222	4	3.5	1.8	-0.1	33	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.7	-2.1	-14.4
Day peak (MW)	616.1	-201.0	-921.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	190.0	-160.2	87.9	-115.9	-1.9	-0.1
Actual(MU)	179.5	-150.0	94.4	-120.8	-1.9	1.3
O/D/U/D(MU)	-10.5	10.2	6.6	-4.9	0.0	1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5994	19006	7092	1290	584	33967
State Sector	11918	15271	10200	6070	11	43470
Total	17912	34277	17292	7360	596	77436

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	448	1095	421	437	12	2413
Lignite	19	18	42	0	0	79
Hydro	134	44	88	40	10	316
Nuclear	28	28	55	0	0	111
Gas, Naptha & Diesel	18	61	16	0	25	120
RES (Wind, Solar, Biomass & Others)	61	67	173	2	0	303
Total	709	1312	795	479	47	3342

Share of RES in total generation (%)	8.61	5.10	21.78	0.38	0.08	9.07
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.52	10.54	39.80	8.69	21.51	21.84

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.015
Based on State Max Demands	1.073

Diversity factor = Sum of regional or state-wise 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 :	26-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	927	0.0	14.5	-14.5	
2		SASARAM-FATEHPUR	S/C	0	527	0.0	7.6	-7.6	
3		GAYA-BALIA	S/C	0	386	0.0	6.5	-6.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	196	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	129	0.0	2.3	-2.3	
7		PUSAULI -ALLAHABAD	S/C	0	138	0.0	2.4	-2.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1080	0.0	16.6	-16.6	
9		PATNA-BALIA	Q/C	0	1079	0.0	20.5	-20.5	
10		BIHARSHARIFF-BALIA	D/C	0	340	0.0	5.4	-5.4	
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	0	379	0.0	5.2	-5.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	86	0.0	1.3	-1.3	
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>0.4</b>	<b>87.0</b>	<b>-86.6</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	945	65	10.7	0.0	10.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	181	603	0.0	2.8	-2.8	
20		JHARSUGUDA-DURG	D/C	0	334	0.0	4.3	-4.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	73	312	0.0	2.5	-2.5	
22		RANCHI-SIPAT	D/C	76	200	0.0	0.6	-0.6	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	125	0.0	1.9	-1.9	
24		BUDHIPADAR-KORBA	D/C	70	35	0.6	0.0	0.6	
<b>ER-WR</b>						<b>11.3</b>	<b>12.2</b>	<b>-0.8</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1957.0	0.0	36.2	-36.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1977.0	0.0	40.6	-40.6	
28	400 kV	TALCHER-I/C	D/C	300.0	604.0	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>87.9</b>	<b>-87.9</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	295	9	5.2	0.0	5	
31		ALIPURDUAR-BONGAIGAON	D/C	356	3	5.3	0.0	5	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	50	15	0.8	0.0	1	
<b>ER-NER</b>						<b>11.3</b>	<b>0.0</b>	<b>11.3</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	375	0	9.4	0.0	9.4	
<b>NER-NR</b>						<b>9.4</b>	<b>0.0</b>	<b>9.4</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	480	0.0	0.0	0.0	
35		V'CHAL B/B	D/C	229	0	6.0	0.0	6.0	
36		APL -MHG	D/C	0	1269	0.0	28.2	-28.2	
37	765 kV	GWALIOR-AGRA	D/C	0	1824	0.0	34.5	-34.5	
38		PHAGI-GWALIOR	D/C	0	1441	0.0	23.8	-23.8	
39		JABALPUR-ORAI	D/C	653	770	0.0	25.4	-25.4	
40		GWALIOR-ORAI	S/C	644	0	12.1	0.0	12.1	
41		SATNA-ORAI	S/C	0	1258	0.0	26.2	-26.2	
42		CHITTORGARH-BANASKANTHA	D/C	385	409	0.5	0.0	0.5	
43		ZERDA-KANKROLI	S/C	141	52	1.7	0.1	1.7	
44	400 kV	ZERDA -BHINMAL	S/C	117	280	0.4	1.2	-0.9	
45		V'CHAL -RIHAND	S/C	977	0	22.7	0.0	22.7	
46	220 kV	RAPP-SHUJALPUR	D/C	131	121	0	0	0	
47		BHANPURA-RANPUR	S/C	33	29	0.2	0.1	0.1	
48		BHANPURA-MORAK	S/C	52	57	0.4	0.2	0.1	
49		MEHGAON-AURAIYA	S/C	145	0	1.7	0.0	1.7	
50	132kV	MALANPUR-AURAIYA	S/C	97	9	0.5	0.0	0.5	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>46.4</b>	<b>139.7</b>	<b>-93.3</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	887	0.0	15.7	-15.7	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	462	1770	1.0	18.3	-17.2	
55		WARDHA-NIZAMABAD	D/C	1472	2229	2.7	30.7	-28.1	
56	400 kV	KOLHAPUR-KUDGI	D/C	846	1	10.5	0.0	10.5	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	0	74	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	0	83	1.5	0.0	1.5	
<b>WR-SR</b>						<b>15.8</b>	<b>66.0</b>	<b>-50.3</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						9.7	
61		NEPAL						-2.1	
62		BANGLADESH						-14.4	