



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 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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 25.11.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-नवंबर-2018 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> November 2018, 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-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	39396	47248	36542	17180	2290	142656
Peak Shortage (MW)	481	0	0	160	39	680
Energy Met (MU)	870	1140	831	342	41	3224
Hydro Gen (MU)	116	19	62	37	8	243
Wind Gen (MU)	2	16	21	-----	-----	39
Solar Gen (MU)*	20.20	19.56	66.13	0.89	0.05	107
Energy Shortage (MU)	9.6	0.0	0.0	0.5	0.5	10.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41494 09:42	54128 10:39	36547 18:47	17620 18:28	2311 17:34	145623 09:38

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	0.023	0.00	0.00	3.48	3.48	87.72	8.80

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	5264	0	116.1	26.4	-0.3	89	0.0	
	Haryana	5378	0	108.4	59.3	1.6	184	0.0	
	Rajasthan	11396	0	225.5	68.1	3.1	410	0.0	
	Delhi	3302	0	58.3	43.0	-0.8	133	0.0	
	UP	12408	0	259.3	109.1	0.7	364	0.0	
	Uttarakhand	1765	0	32.8	21.2	0.2	158	0.0	
	HP	1447	15	25.7	17.0	0.3	181	0.0	
	J&K	1988	497	40.9	37.7	-5.0	-47	9.6	
	Chandigarh	168	0	2.9	2.6	0.3	37	0.0	
	WR	Chhattisgarh	3508	0	74.3	9.7	-2.3	115	0.0
Gujarat		14772	0	324.1	135.3	1.9	526	0.0	
MP		13331	0	267.2	162.0	-5.0	342	0.0	
Maharashtra		20597	0	431.0	118.5	-1.2	595	0.0	
Goa		501	0	10.3	9.4	0.4	83	0.0	
DD		282	0	6.5	6.3	0.1	27	0.0	
DNH		683	0	15.6	15.2	0.4	57	0.0	
Essar steel		565	0	11.2	10.8	0.4	292	0.0	
SR		Andhra Pradesh	7571	0	165.1	69.0	0.6	444	0.0
		Telangana	7911	0	169.6	75.1	2.5	443	0.0
	Karnataka	9377	0	186.1	64.5	0.4	492	0.0	
	Kerala	3334	0	64.9	50.4	1.0	216	0.0	
	Tamil Nadu	11489	0	239.2	119.0	-0.6	371	0.0	
	Pondy	289	0	6.1	6.5	-0.4	19	0.0	
ER	Bihar	4057	0	68.5	68.3	-2.4	460	0.0	
	DVC	2739	160	60.9	-17.3	5.5	396	0.5	
	Jharkhand	1171	0	24.1	13.9	-1.0	169	0.0	
	Odisha	4394	0	82.5	33.7	4.1	267	0.0	
	West Bengal	5482	0	104.9	20.9	1.7	309	0.0	
	Sikkim	87	0	1.1	1.5	-0.5	18	0.0	
NER	Arumachal Pradesh	109	2	1.9	2.0	-0.1	20	0.0	
	Assam	1323	29	22.8	17.1	0.9	72	0.4	
	Manipur	177	3	2.7	2.8	-0.1	22	0.0	
	Meghalaya	322	0	6.0	4.1	-0.2	19	0.0	
	Mizoram	79	1	1.3	0.8	-0.1	6	0.0	
	Nagaland	124	2	2.1	1.8	0.1	28	0.0	
Tripura	215	1	3.8	1.5	0.4	27	0.0		

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.3	-2.8	-17.2
Day peak (MW)	290.0	-138.0	-816.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	137.7	-163.2	96.0	-69.5	-0.9	0.2
Actual(MU)	128.5	-166.4	95.3	-57.6	-1.9	-2.2
O/D/U/D(MU)	-9.2	-3.3	-0.7	11.9	-1.1	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5261	13745	7542	1100	131	27779
State Sector	11705	14810	8970	6075	50	41610
Total	16966	28555	16512	7175	181	69389

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	529	1216	494	383	8	2630
Hydro	116	19	62	37	8	243
Nuclear	25	19	36	0	0	80
Gas, Naptha & Diesel	30	36	23	0	30	119
RES (Wind, Solar, Biomass & Others)	53	38	125	1	0	216
Total	754	1328	740	420	46	3287

Share of RES in total generation (%)	7.03	2.83	16.84	0.22	0.11	6.57
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.75	5.67	30.12	8.96	18.52	16.38

H. Diversity Factor

All India Demand Diversity Factor	1.044
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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 : 26-Nov-18

Import=(+ve)  
/Export =(-ve)  
for NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	129	363	0.0	2.6	-2.6	
2		SASARAM-FATEHPUR	S/C	276	72	1.8	0.0	1.8	
3		GAYA-BALIA	S/C	0	212	0.0	3.0	-3.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	400	0.0	8.9	-8.9	
5		PUSAULI B/B	S/C	0	346	0.0	8.6	-8.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	259	0.0	5.5	-5.5	
7		PUSAULI -ALLAHABAD	S/C	0	158	0.0	2.9	-2.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	250	263	0.4	0.0	0.4	
9		PATNA-BALIA	Q/C	0	635	0.0	12.4	-12.4	
10		BIHARSHARIFF-BALIA	D/C	57	75	0.0	0.3	-0.3	
11		MOTIHARI-GORAKHPUR	D/C	0	333	0.0	6.5	-6.5	
12		BIHARSHARIFF-VARANASI	D/C	276	39	2.4	0.0	2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	116	0.0	2.1	-2.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	25	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>5.2</b>	<b>52.6</b>	<b>-47.4</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1224	0	20.3	0.0	20.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	359	38	3.6	0.0	3.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	358	0	4.8	0.0	4.8	
21		RANCHI-SIPAT	D/C	226	0	4.6	0.0	4.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	5	85	0.0	0.8	-0.8	
23		BUDHIPADAR-KORBA	D/C	201	0	4.1	0.0	4.1	
						<b>ER-WR</b>	<b>37.3</b>	<b>0.8</b>	<b>36.5</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1430.0	0.0	25.1	-25.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	591.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1783.0	0.0	37.3	-37.3	
27	400 kV	TALCHER-I/C	D/C	0.0	783.0	0.0	4.9	-4.9	
28	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>77.0</b>	<b>-77.0</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	447	0.0	7.1	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	0	263	0.0	2.6	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	116	0.0	1.7	-2	
						<b>ER-NER</b>	<b>0.0</b>	<b>11.4</b>	<b>-11.4</b>
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	13.4	-13.4	
						<b>NER-NR</b>	<b>0.0</b>	<b>13.4</b>	<b>-13.4</b>
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	903	0.0	21.5	-21.5	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35	765 kV	APL -MHG	D/C	0	982	0.0	24.3	-24.3	
36		GWALIOR-AGRA	D/C	0	778	0.0	26.5	-26.5	
37		PHAGI-GWALIOR	D/C	0	1289	0.0	22.2	-22.2	
38		JABALPUR-ORAI	D/C	148	309	0.0	5.8	-5.8	
39		GWALIOR-ORAI	S/C	509	0	9.7	0.0	9.7	
40		SATNA-ORAI	S/C	0	1628	0.0	35.5	-35.5	
41		400 kV	ZERDA-KANKROLI	S/C	338	0	5.8	0.0	5.8
42	ZERDA -BHINMAL		S/C	214	102	1.8	0.0	1.8	
43	V'CHAL -RIHAND		S/C	985	0	22.9	0.0	22.9	
44	RAPP-SHUJALPUR		D/C	386	0	2	0	2	
45	220 kV	BADOD-KOTA	S/C	56	0	2.0	0.0	2.0	
46		BADOD-MORAK	S/C	46	48	0.3	0.1	0.3	
47		MEHGAON-AURAIYA	S/C	107	0	1.5	0.0	1.5	
48		MALANPUR-AURAIYA	S/C	61	0	0.6	0.0	0.6	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>52.9</b>	<b>135.6</b>	<b>-82.7</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	21.9	-21.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	495	1531	0.0	16.4	-16.4	
53		WARDHA-NIZAMABAD	D/C	0	2036	0.0	26.3	-26.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	965	0	14.4	0.0	14.4	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	63	1.2	0.0	1.2	
						<b>WR-SR</b>	<b>15.7</b>	<b>64.7</b>	<b>-49.0</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>4.3</b>	
59		NEPAL						<b>-2.8</b>	
60		BANGLADESH						<b>-17.2</b>	