



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: 12<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 11.11.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11<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 12-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	40210	44040	39421	18703	2297	144671
Peak Shortage (MW)	458	0	0	130	38	626
Energy Met (MU)	849	1070	931	360	40	3250
Hydro Gen (MU)	147	14	67	39	8	276
Wind Gen (MU)	4	15	22	-----	-----	41
Solar Gen (MU)*	21.63	20.2	72.35	0.77	0.04	115
Energy Shortage (MU)	10.1	0.0	0.0	0.4	0.4	10.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41410 18:47	49798 11:54	40475 12:50	19270 18:50	2296 18:04	147765 18:44

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	0.044	0.00	0.14	11.91	12.05	80.02	7.93

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	4998	0	106.8	24.2	-0.5	93	0.0
	Haryana	5505	0	103.4	66.2	1.4	269	0.0
	Rajasthan	11055	0	218.1	54.9	1.5	279	0.0
	Delhi	2932	0	55.5	45.2	-0.8	175	0.0
	UP	13165	0	263.3	106.0	0.0	292	0.0
	Uttarakhand	1606	0	31.0	20.4	0.6	181	0.0
	HP	1402	0	25.3	15.5	0.4	117	0.0
	J&K	2113	528	42.5	36.8	-1.8	177	10.1
WR	Chandigarh	159	0	2.9	2.8	0.1	17	0.0
	Chhattisgarh	3572	0	76.0	10.5	-2.5	192	0.0
	Gujarat	12113	0	268.5	115.0	5.7	535	0.0
	MP	12726	0	257.8	167.4	-1.0	617	0.0
	Maharashtra	20353	0	426.6	134.1	-4.6	630	0.0
	Goa	444	0	9.8	9.2	0.2	37	0.0
	DD	268	0	6.0	5.6	0.4	65	0.0
	DNH	599	0	13.7	13.5	0.3	92	0.0
SR	Essar steel	520	0	11.1	11.2	-0.1	266	0.0
	Andhra Pradesh	8813	0	191.6	72.7	1.5	567	0.0
	Telangana	8875	0	187.2	91.3	0.7	339	0.0
	Karnataka	10201	0	206.8	66.8	0.6	465	0.0
	Kerala	3370	0	64.7	49.2	0.9	217	0.0
	Tamil Nadu	12432	0	274.5	142.5	1.6	382	0.0
	Pondy	298	0	6.4	6.7	-0.3	26	0.0
	ER	Bihar	4301	0	72.9	71.5	-0.8	460
DVC		2865	100	63.0	-9.6	1.1	396	0.4
Jharkhand		1141	0	24.2	15.7	-1.3	169	0.0
Odisha		4322	0	92.7	41.2	2.7	267	0.0
West Bengal		6075	0	105.5	19.9	0.8	309	0.0
Sikkim		75	0	1.5	1.2	0.3	18	0.0
NER	Arumachal Pradesh	119	2	2.1	1.9	0.2	24	0.0
	Assam	1368	28	23.3	18.0	1.3	139	0.3
	Manipur	173	3	2.5	2.4	0.1	28	0.0
	Meghalaya	300	0	5.2	3.1	-0.1	22	0.0
	Mizoram	76	2	1.7	1.1	0.2	0	0.0
	Nagaland	120	3	2.1	1.7	0.1	17	0.0
	Tripura	216	4	3.4	1.7	-0.1	36	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.9	-2.2	-13.7
Day peak (MW)	365.0	-140.0	-692.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	104.2	-175.7	129.4	-54.7	-2.9	0.2
Actual(MU)	100.4	-184.3	138.3	-51.0	-3.2	0.3
O/D/U/D(MU)	-3.8	-8.6	9.0	3.8	-0.3	0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5221	12983	7482	600	81	26367
State Sector	11000	17382	9110	7115	50	44657
Total	16221	30365	16592	7715	131	71023

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	540	1153	542	392	10	2638
Hydro	147	14	67	39	8	276
Nuclear	25	31	40	0	0	96
Gas, Naptha & Diesel	14	37	25	0	29	106
RES (Wind, Solar, Biomass & Others)	42	36	129	1	0	209
Total	768	1272	805	432	47	3324

Share of RES in total generation (%)	5.53	2.83	16.07	0.19	0.09	6.28
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.87	6.39	29.48	9.15	17.51	17.46

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : 12-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	281	87	1.2	0.0	1.2
2		SASARAM-FATEHPUR	S/C	265	0	3.0	0.0	3.0
3		GAYA-BALIA	S/C	77	136	0.0	1.4	-1.4
4	HVDC	ALIPURDUAR-AGRA	-	0	200	0.0	4.7	-4.7
5		PUSAULI B/B	S/C	0	400	0.0	10.0	-10.0
6	400 kV	PUSAULI-VARANASI	S/C	0	298	0.0	6.5	-6.5
7		PUSAULI -ALLAHABAD	S/C	0	163	0.0	3.2	-3.2
8		MUZAFFARPUR-GORAKHPUR	D/C	149	242	0.0	1.2	-1.2
9		PATNA-BALIA	Q/C	0	745	0.0	12.3	-12.3
10		BIHARSHARIFF-BALIA	D/C	44	67	0.0	1.0	-1.0
11		MOTIHARI-GORAKHPUR	D/C	0	312	0.0	6.1	-6.1
12		BIHARSHARIFF-VARANASI	D/C	273	0	2.6	0.0	2.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	120	0.0	2.4	-2.4
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>7.4</b>	<b>48.7</b>	<b>-41.3</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	961	0	28.5	0.0	28.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	317	203	2.7	0.0	2.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	368	0	6.5	0.0	6.5
21		RANCHI-SIPAT	D/C	222	0	4.0	0.0	4.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	30	54	0.0	0.3	-0.3
23		BUDHIPADAR-KORBA	D/C	161	0	3.1	0.0	3.1
<b>ER-WR</b>						<b>44.8</b>	<b>0.3</b>	<b>44.5</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1660.0	0.0	31.5	-31.5
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	661.0	0.0	15.1	-15.1
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2466.0	0.0	47.5	-47.5
27	400 kV	TALCHER-I/C	D/C	0.0	988.0	0.0	8.9	-8.9
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>94.1</b>	<b>-94.1</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	330	0.0	5.2	-5
30		ALIPURDUAR-BONGAIGAON	D/C	0	196	0.0	2.4	-2
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	69	0.0	1.0	-1
<b>ER-NER</b>						<b>0.0</b>	<b>8.6</b>	<b>-8.6</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	512	0.0	12.0	-12.0
<b>NER-NR</b>						<b>0.0</b>	<b>12.0</b>	<b>-12.0</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	242	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	886	0.0	21.8	-21.8
36		GWALIOR-AGRA	D/C	0	676	0.0	21.5	-21.5
37		PHAGI-GWALIOR	D/C	0	1191	0.0	17.8	-17.8
38		JABALPUR-ORAI	D/C	351	57	0.0	3.3	-3.3
39		GWALIOR-ORAI	S/C	554	0	9.4	0.0	9.4
40		SATNA-ORAI	S/C	0	1592	0.0	36.1	-36.1
41		ZERDA-KANKROLI	S/C	334	0	6.3	0.0	6.3
42	400 kV	ZERDA -BHINMAL	S/C	211	44	2.9	0.0	2.9
43		V'CHAL -RIHAND	S/C	989	0	22.7	0.0	22.7
44		RAPP-SHUJALPUR	D/C	459	0	0	3	-3
45	220 kV	BADOD-KOTA	S/C	67	0	2.9	0.0	2.9
46		BADOD-MORAK	S/C	76	18	0.8	0.0	0.8
47		MEHGAON-AURAIYA	S/C	125	0	1.8	0.0	1.8
48		MALANPUR-AURAIYA	S/C	83	0	1.0	0.0	1.0
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>53.9</b>	<b>125.2</b>	<b>-71.3</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	21.3	-21.3
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2145	0.0	32.5	-32.5
53		WARDHA-NIZAMABAD	D/C	0	2281	0.0	39.7	-39.7
54	400 kV	KOLHAPUR-KUDGI	D/C	583	0	6.6	0.0	6.6
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	64	1.2	0.0	1.2
<b>WR-SR</b>						<b>7.9</b>	<b>93.5</b>	<b>-85.6</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						7.9
59		NEPAL						-2.2
60		BANGLADESH						-13.7