



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: 03<sup>rd</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 02.11.2018.**

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02<sup>nd</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

3-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43010	51012	42771	19831	2413	159037
Peak Shortage (MW)	992	0	0	411	29	1432
Energy Met (MU)	928	1226	960	398	44	3557
Hydro Gen (MU)	142	35	86	48	11	322
Wind Gen (MU)	5	21	40	-----	-----	66
Solar Gen (MU)*	20.32	15.8	44.78	0.72	0.05	82
Energy Shortage (MU)	9.4	0.0	0.0	1.2	0.7	11.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44534 18:43	56135 10:39	43429 07:26	19989 18:00	2514 17:27	161852 18:43

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	0.039	0.00	0.00	11.20	11.20	83.56	5.23

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	5479	0	124.3	24.9	-0.5	86	0.0
	Haryana	6296	160	122.0	65.7	1.7	224	0.2
	Rajasthan	11348	0	228.7	50.3	2.0	432	0.0
	Delhi	3646	0	71.7	48.6	-0.1	153	0.0
	UP	13218	60	282.5	112.5	4.1	706	3.6
	Uttarakhand	1818	0	35.6	24.1	0.7	194	0.0
	HP	1498	0	27.6	17.2	0.2	123	0.1
	J&K	1866	466	32.5	33.2	-5.8	214	5.6
WR	Chhattisgarh	176	0	3.4	3.4	0.0	26	0.0
	Gujarat	4030	0	86.5	22.7	-0.6	195	0.0
	Maharashtra	15672	0	349.6	117.0	9.1	865	0.0
	MP	12484	0	263.3	153.0	-0.6	458	0.0
	Goa	22854	0	483.5	156.4	-2.5	356	0.0
	DD	468	0	9.7	9.9	-0.7	98	0.0
	DNH	323	0	7.2	6.3	0.9	97	0.0
	Essar steel	703	0	15.5	15.0	0.5	124	0.0
SR	Andhra Pradesh	557	0	11.1	11.2	-0.2	249	0.0
	Telangana	8324	0	181.5	71.8	2.5	552	0.0
	Karnataka	9496	0	204.5	108.7	1.7	677	0.0
	Kerala	10846	0	212.3	53.5	1.6	509	0.0
	Tamil Nadu	3507	0	71.2	45.8	1.1	217	0.0
	Pondy	13841	0	283.9	138.1	-0.7	406	0.0
ER	Bihar	330	0	6.8	6.9	-0.1	18	0.0
	DVC	4600	0	81.7	78.4	1.0	385	0.0
	Jharkhand	2994	0	63.3	-31.2	1.7	445	0.7
	Odisha	1031	-191	23.4	16.3	0.4	185	0.6
	West Bengal	4398	0	89.6	32.6	3.4	402	0.0
	Sikkim	7387	0	138.3	42.5	0.6	485	0.0
NER	Assam	97	0	1.3	1.4	-0.1	20	0.0
	Manipur	110	2	2.1	1.6	0.5	29	0.0
	Meghalaya	1561	22	25.8	20.0	1.8	299	0.7
	Mizoram	162	3	2.4	2.2	0.2	46	0.0
	Nagaland	300	0	5.5	2.7	0.0	97	0.0
	Tripura	80	2	1.8	0.8	0.3	25	0.0
		118	2	2.3	1.6	0.4	39	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.2	-2.1	-16.5
Day peak (MW)	441.5	-140.0	-849.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	107.6	-168.4	130.8	-69.1	-0.5	0.4
Actual(MU)	98.2	-182.2	139.1	-56.0	2.1	1.2
O/D/U/D(MU)	-9.5	-13.8	8.3	13.1	2.6	0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4279	12843	7382	810	381	25694
State Sector	8960	13698	7300	4905	50	34913
Total	13239	26541	14682	5715	431	60607

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	605	1248	551	415	6	2825
Hydro	142	35	86	48	11	322
Nuclear	24	27	41	0	0	92
Gas, Naptha & Diesel	53	71	24	0	29	177
RES (Wind, Solar, Biomass & Others)	42	38	128	1	0	209
Total	867	1419	831	464	46	3626

Share of RES in total generation (%)	4.83	2.65	15.46	0.17	0.11	5.76
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.01	7.02	30.77	10.50	25.19	17.20

H. Diversity Factor

All India Demand Diversity Factor	1.029
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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 : 3-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	287	131	1.1	0.0	1.1
2		SASARAM-FATEHPUR	S/C	369	0	5.6	0.0	5.6
3		GAYA-BALIA	S/C	42	106	0.0	1.2	-1.2
4	HVDC	ALIPURDUAR-AGRA	-	0	350	0.0	8.1	-8.1
5		PUSAULI B/B	S/C	0	397	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	309	0.0	6.6	-6.6
7		PUSAULI -ALLAHABAD	S/C	0	162	0.0	2.9	-2.9
8		MUZAFFARPUR-GORAKHPUR	D/C	335	117	1.9	0.0	1.9
9		PATNA-BALIA	Q/C	0	572	0.0	9.9	-9.9
10		BIHARSHARIFF-BALIA	D/C	87	17	0.8	0.0	0.8
11		MOTIHARI-GORAKHPUR	D/C	0	297	0.0	5.8	-5.8
12		BIHARSHARIFF-VARANASI	D/C	335	0	3.5	0.0	3.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	161	0.0	3.4	-3.4
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.7	0.0	0.7
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>13.6</b>	<b>47.6</b>	<b>-34.0</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	576	0	26.8	0.0	26.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	601	278	4.3	0.0	4.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	486	0	8.1	0.0	8.1
21		RANCHI-SIPAT	D/C	316	1	3.8	0.0	3.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	231	0	4.3	0.0	4.3
<b>ER-WR</b>						<b>47.3</b>	<b>0.0</b>	<b>47.3</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1642.0	0.0	29.8	-29.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	610.0	0.0	14.6	-14.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1981.0	0.0	45.9	-45.9
27	400 kV	TALCHER-I/C	D/C	0.0	979.0	0.0	16.7	-16.7
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>90.2</b>	<b>-90.2</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	617	0.0	9.7	-10
30		ALIPURDUAR-BONGAIGAON	D/C	0	438	0.0	6.2	-6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	129	0.0	2.0	-2
<b>ER-NER</b>						<b>0.0</b>	<b>17.9</b>	<b>-17.9</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	17.0	-17.0
<b>NER-NR</b>						<b>0.0</b>	<b>17.0</b>	<b>-17.0</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	653	0.0	15.5	-15.5
34		V'CHAL B/B	D/C	240	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	595	0.0	14.1	-14.1
36		GWALIOR-AGRA	D/C	18	677	0.0	23.4	-23.4
37	765 kV	PHAGI-GWALIOR	D/C	0	910	0.0	13.0	-13.0
38		JABALPUR-ORAI	D/C	352	224	0.0	0.1	-0.1
39		GWALIOR-ORAI	S/C	415	0	7.4	0.0	7.4
40		SATNA-ORAI	S/C	0	1495	0.0	33.2	-33.2
41		ZERDA-KANKROLI	S/C	406	0	8.0	0.0	8.0
42	400 kV	ZERDA -BHINMAL	S/C	295	0	5.4	0.0	5.4
43		V'CHAL -RIHAND	S/C	485	0	11.4	0.0	11.4
44		RAPP-SHUJALPUR	D/C	505	0	0	4	-4
45	220 kV	BADOD-KOTA	S/C	114	0	3.0	0.0	3.0
46		BADOD-MORAK	S/C	97	0	1.4	0.0	1.4
47		MEHGAON-AURAIYA	S/C	139	0	2.2	0.0	2.2
48	132kV	MALANPUR-AURAIYA	S/C	102	0	1.6	0.0	1.6
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>46.4</b>	<b>103.4</b>	<b>-57.0</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	1943	0.0	25.5	-25.5
53		WARDHA-NIZAMABAD	D/C	0	2482	0.0	40.8	-40.8
54	400 kV	KOLHAPUR-KUDGI	D/C	920	0	12.3	0.0	12.3
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	1	68	1.1	0.0	1.1
<b>WR-SR</b>						<b>13.4</b>	<b>90.2</b>	<b>-76.8</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>8.2</b>
59		NEPAL						<b>-2.1</b>
60		BANGLADESH						<b>-16.5</b>