National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 17th Nov 2018

To,

1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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., डोंगतिएह, 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 16.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-नवंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 16th 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** **17-Nov-18**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41976	47804	40368	19110	2371	151629
Peak Shortage (MW)	489	0	0	0	51	540
Energy Met (MU)	892	1153	891	365	43	3343
Hydro Gen (MU)	145	18	67	40	8	279
Wind Gen (MU)	6	43	64	----------	----------	114
Solar Gen (MU)*	19.08	19.97	47.26	0.88	0.03	87
Energy Shortage (MU)	10.8	0.0	0.0	0.0	1.3	12.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43248 18:30	55150 10:41	40505 18:31	19136 18:39	2399 17:29	155433 18:30

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	0.033	0.00	0.00	7.26	7.26	84.36	8.38

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	5358	0	110.0	26.0	-0.5	99	0.0
	Haryana	6156	0	113.8	64.3	0.5	166	0.0
	Rajasthan	11523	0	230.7	72.6	0.2	323	0.0
	Delhi	3387	0	62.9	48.0	0.0	132	0.0
	UP	12385	0	264.8	113.6	-0.4	267	0.0
	Uttarakhand	1847	0	35.8	23.9	1.3	143	0.0
	HP	1558	0	27.7	17.0	1.0	196	0.0
	J&K	2106	526	42.7	37.6	-3.4	66	10.8
	Chandigarh	184	0	3.2	2.8	0.4	66	0.0
WR	Chhattisgarh	3721	0	78.3	20.3	-2.6	69	0.0
	Gujarat	14635	0	316.9	123.9	3.2	999	0.0
	MP	13217	0	267.7	153.8	-4.0	472	0.0
	Maharashtra	21769	0	446.8	133.1	0.5	556	0.0
	Goa	480	0	10.0	10.1	-0.5	24	0.0
	DD	312	0	6.9	6.2	0.7	35	0.0
	DNH	646	0	14.6	14.2	0.3	61	0.0
	Essar steel	580	0	11.4	11.5	-0.1	292	0.0
SR	Andhra Pradesh	8129	0	180.5	62.6	1.4	428	0.0
	Telangana	8413	0	179.3	88.1	2.4	413	0.0
	Karnataka	10369	0	213.8	67.4	1.1	424	0.0
	Kerala	3048	0	67.9	51.5	0.7	240	0.0
	Tamil Nadu	12598	0	244.3	122.6	-0.3	407	0.0
	Pondy	327	0	5.6	6.0	-0.4	38	0.0
ER	Bihar	4146	0	71.1	70.9	-2.1	460	0.0
	DVC	3084	0	64.8	-26.7	1.1	396	0.0
	Jharkhand	1159	0	24.3	14.9	-1.0	169	0.0
	Odisha	4859	0	85.7	32.0	2.2	267	0.0
	West Bengal	6680	0	117.5	28.1	1.6	309	0.0
	Sikkim	99	0	1.4	1.8	-0.4	18	0.0
NER	Arunachal Pradesh	115	2	2.9	2.4	0.5	15	0.0
	Assam	1498	38	23.7	18.4	0.7	142	1.2
	Manipur	187	3	2.6	2.7	-0.2	33	0.0
	Meghalaya	306	0	5.6	5.3	-0.2	15	0.0
	Mizoram	85	2	1.7	0.9	0.4	9	0.0
	Nagaland	97	3	2.2	2.0	0.0	3	0.0
	Tripura	226	2	4.1	2.6	-0.3	-	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.5	-2.3	-15.7
Day peak (MW)	313.3	-166.0	-834.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	135.5	-167.6	112.8	-82.2	1.2	-0.3
Actual(MU)	126.1	-167.0	115.2	-77.9	-1.9	-5.4
O/D/U/D(MU)	-9.5	0.6	2.4	4.3	-3.1	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4701	13045	7322	950	71	26089
State Sector	12150	15571	9320	5655	50	42746
Total	16851	28616	16642	6605	121	68834

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	545	1183	504	425	8	2665
Hydro	145	18	67	40	8	279
Nuclear	25	30	39	0	0	94
Gas, Naptha & Diesel	23	45	22	0	31	122
RES (Wind, Solar, Biomass & Others)	48	64	150	1	0	263
Total	787	1340	782	466	47	3423

Share of RES in total generation (%)	6.14	4.80	19.12	0.20	0.06	7.69
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.74	8.34	32.71	8.77	18.02	18.56

H. Diversity Factor

All India Demand Diversity Factor	1.032

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.

कार्यपालक निदेशक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **17-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)
Import/Export of ER (With NR)								
1	**765kV**	GAYA-VARANASI	D/C	34	361	0.0	3.7	-3.7
2		SASARAM-FATEHPUR	S/C	135	143	0.5	0.0	0.5
3		GAYA-BALIA	S/C	0	213	0.0	3.3	-3.3
4	**HVDC**	ALIPURDUAR-AGRA	-	0	300	0.0	7.2	-7.2
5		PUSAULI B/B	S/C	0	346	0.0	7.4	-7.4
6	**400 kV**	PUSAULI-VARANASI	S/C	0	250	0.0	4.7	-4.7
7		PUSAULI -ALLAHABAD	S/C	0	152	0.0	2.6	-2.6
8		MUZAFFARPUR-GORAKHPUR	D/C	67	332	0.0	2.7	-2.7
9		PATNA-BALIA	Q/C	0	785	0.0	17.0	-17.0
10		BIHARSHARIFF-BALIA	D/C	18	92	0.0	2.4	-2.4
11		MOTIHARI-GORAKHPUR	D/C	0	326	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	179	83	0.9	0.0	0.9
13	**220 kV**	PUSAULI-SAHUPURI	S/C	33	159	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
					ER-NR	**2.0**	**59.9**	**-58.0**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1279	0	23.3	0.0	23.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	275	293	0.0	0.3	-0.3
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	238	30	2.2	0.0	2.2
21		RANCHI-SIPAT	D/C	179	0	2.5	0.0	2.5
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	12	71	0.0	0.7	-0.7
23		BUDHIPADAR-KORBA	D/C	136	0	2.5	0.0	2.5
					ER-WR	**30.5**	**1.1**	**29.4**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1857.0	0.0	36.1	-36.1
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	630.0	0.0	14.9	-14.9
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1973.0	0.0	35.4	-35.4
27	**400 kV**	TALCHER-I/C	D/C	0.0	670.0	4.9	0.0	4.9
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**86.3**	**-86.3**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	0	465	0.0	6.4	-6
30		ALIPURDUAR-BONGAIGAON	D/C	98	271	0.0	2.6	-3
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	0	125	0.0	1.4	-1
					ER-NER	**0.0**	**10.3**	**-10.3**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	507	0.0	12.2	-12.2
					NER-NR	**0.0**	**12.2**	**-12.2**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	903	0.0	21.4	-21.4
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1174	0.0	22.8	-22.8
36	**765 kV**	GWALIOR-AGRA	D/C	0	699	0.0	24.3	-24.3
37		PHAGI-GWALIOR	D/C	0	1102	0.0	20.7	-20.7
38		JABALPUR-ORAI	D/C	198	168	0.0	1.5	-1.5
39		GWALIOR-ORAI	S/C	541	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	0	1599	0.0	35.8	-35.8
41	**400 kV**	ZERDA-KANKROLI	S/C	353	0	6.9	0.0	6.9
42		ZERDA -BHINMAL	S/C	247	50	3.1	0.0	3.1
43		V'CHAL -RIHAND	S/C	990	0	22.2	0.0	22.2
44		RAPP-SHUJALPUR	D/C	377	0	2	0	2
45	**220 kV**	BADOD-KOTA	S/C	57	0	2.5	0.0	2.5
46		BADOD-MORAK	S/C	27	112	0.0	0.8	-0.8
47		MEHGAON-AURAIYA	S/C	109	0	1.6	0.0	1.6
48		MALANPUR-AURAIYA	S/C	63	0	0.8	0.0	0.8
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**55.3**	**127.2**	**-71.9**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	18.6	-18.6
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 kV**	SOLAPUR-RAICHUR	D/C	289	1964	0.0	25.8	-25.8
53		WARDHA-NIZAMABAD	D/C	0	2445	0.0	38.0	-38.0
54	**400 kV**	KOLHAPUR-KUDGI	D/C	864	0	9.8	0.0	9.8
55	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	0	66	1.2	0.0	1.2
					WR-SR	**11.1**	**82.4**	**-71.4**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**3.5**
59		NEPAL						**-2.3**
60		BANGLADESH						**-15.7**