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: 03rd 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 02.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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
	Chandigarh	176	0	3.4	3.4	0.0	26	0.0
WR	Chhattisgarh	4030	0	86.5	22.7	-0.6	195	0.0
	Gujarat	15672	0	349.6	117.0	9.1	865	0.0
	MP	12484	0	263.3	153.0	-0.6	458	0.0
	Maharashtra	22854	0	483.5	156.4	-2.5	356	0.0
	Goa	468	0	9.7	9.9	-0.7	98	0.0
	DD	323	0	7.2	6.3	0.9	97	0.0
	DNH	703	0	15.5	15.0	0.5	124	0.0
	Essar steel	557	0	11.1	11.2	-0.2	249	0.0
SR	Andhra Pradesh	8324	0	181.5	71.8	2.5	552	0.0
	Telangana	9496	0	204.5	108.7	1.7	677	0.0
	Karnataka	10846	0	212.3	53.5	1.6	509	0.0
	Kerala	3507	0	71.2	45.8	1.1	217	0.0
	Tamil Nadu	13841	0	283.9	138.1	-0.7	406	0.0
	Pondy	330	0	6.8	6.9	-0.1	18	0.0
ER	Bihar	4600	0	81.7	78.4	1.0	385	0.0
	DVC	2994	0	63.3	-31.2	1.7	445	0.7
	Jharkhand	1031	191	23.4	16.3	0.4	185	0.6
	Odisha	4398	0	89.6	32.6	3.4	402	0.0
	West Bengal	7387	0	138.3	42.5	0.6	485	0.0
	Sikkim	97	0	1.3	1.4	-0.1	20	0.0
NER	Arunachal Pradesh	110	2	2.1	1.6	0.5	29	0.0
	Assam	1561	22	25.8	20.0	1.8	299	0.7
	Manipur	162	3	2.4	2.2	0.2	46	0.0
	Meghalaya	300	0	5.5	2.7	0.0	97	0.0
	Mizoram	80	2	1.8	0.8	0.3	25	0.0
	Nagaland	118	2	2.3	1.6	0.4	39	0.0
	Tripura	244	1	4.3	1.7	0.8	52	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

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 : **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)
Import/Export of ER (With NR)								
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
					ER-NR	**13.6**	**47.6**	**-34.0**
Import/Export of ER (With WR)								
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
					ER-WR	**47.3**	**0.0**	**47.3**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1642.0	0.0	29.8	-29.8
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	610.0	0.0	14.6	-14.6
26		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
					ER-SR	**0.0**	**90.2**	**-90.2**
Import/Export of ER (With NER)								
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
					ER-NER	**0.0**	**17.9**	**-17.9**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	703	0.0	17.0	-17.0
					NER-NR	**0.0**	**17.0**	**-17.0**
Import/Export of WR (With NR)								
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	**765 kV**	GWALIOR-AGRA	D/C	18	677	0.0	23.4	-23.4
37		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	**400 kV**	ZERDA-KANKROLI	S/C	406	0	8.0	0.0	8.0
42		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		MALANPUR-AURAIYA	S/C	102	0	1.6	0.0	1.6
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**46.4**	**103.4**	**-57.0**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	23.9	-23.9
51		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	**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	1	68	1.1	0.0	1.1
					WR-SR	**13.4**	**90.2**	**-76.8**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**8.2**
59		NEPAL						**-2.1**
60		BANGLADESH						**-16.5**