



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: 20th 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 19.11.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19th 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 20-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41988	49536	40643	18574	2406	153147
Peak Shortage (MW)	518	0	83	244	23	868
Energy Met (MU)	885	1175	902	356	41	3358
Hydro Gen (MU)	129	27	69	38	8	272
Wind Gen (MU)	16	12	25	-----	-----	53
Solar Gen (MU)*	20.47	17.64	59.33	0.85	0.04	98
Energy Shortage (MU)	10.9	0.0	0.0	0.7	0.6	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43170 18:15	54582 11:01	41222 18:38	19090 19:19	2408 18:08	155776 18:15

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	0.31	12.22	12.53	79.19	8.28

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	5143	0	113.2	26.0	0.7	134	0.0
	Haryana	6120	0	112.8	64.6	1.0	261	0.0
	Rajasthan	11088	0	225.8	62.7	0.5	279	0.0
	Delhi	3254	0	61.0	47.2	-0.1	151	0.0
	UP	12761	0	261.4	108.5	0.2	416	0.0
	Uttarakhand	1865	0	34.9	22.0	2.0	218	0.3
	HP	1532	5	27.7	18.1	0.6	124	0.0
	J&K	2182	545	44.9	36.8	-1.0	208	10.6
WR	Chhattisgarh	178	0	3.1	3.1	0.1	28	0.0
	Chhattisgarh	3668	0	78.6	8.5	-1.3	161	0.0
	Gujarat	15051	0	330.3	142.0	6.5	366	0.0
	MP	13177	0	269.4	154.6	-2.4	737	0.0
	Maharashtra	21718	0	453.9	140.0	-1.2	416	0.0
	Goa	480	0	10.5	9.8	0.4	101	0.0
	DD	316	0	6.8	5.9	0.9	67	0.0
	DNH	673	0	14.9	14.0	0.9	105	0.0
SR	Essar steel	498	0	11.1	11.1	0.0	241	0.0
	Andhra Pradesh	8263	0	181.0	69.2	0.1	532	0.0
	Telangana	8202	0	176.4	83.6	1.6	470	0.0
	Karnataka	10669	0	203.1	72.9	0.3	655	0.0
	Kerala	3421	0	68.7	49.9	0.7	195	0.0
	Tamil Nadu	12934	0	265.8	136.7	0.4	484	0.0
	Pondy	339	0	6.9	7.2	-0.3	30	0.0
	ER	Bihar	4095	0	69.4	67.8	-1.0	460
DVC		3041	0	64.7	-29.3	1.4	396	0.4
Jharkhand		1010	124	23.4	16.8	0.1	169	0.4
Odisha		4565	0	87.0	34.8	1.6	267	0.0
West Bengal		6472	0	109.7	27.2	1.6	309	0.0
NER	Sikkim	99	0	1.4	1.5	-0.1	18	0.0
	Arumachal Pradesh	115	2	2.1	1.9	0.2	20	0.0
	Assam	1410	11	22.8	17.7	0.7	173	0.6
	Manipur	172	1	2.5	2.6	-0.2	29	0.0
	Meghalaya	335	0	6.0	4.3	-0.1	213	0.0
	Mizoram	85	2	1.7	0.8	0.3	11	0.0
	Nagaland	120	1	2.1	1.7	0.2	21	0.0
	Tripura	221	0	3.3	1.7	-0.2	31	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.1	-2.8	-18.2
Day peak (MW)	342.2	-144.0	-847.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	124.1	-160.7	114.7	-76.9	-1.6	-0.4
Actual(MU)	125.7	-170.9	117.3	-72.9	-2.1	-2.9
O/D/U/D(MU)	1.6	-10.2	2.6	4.1	-0.5	-2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3916	12723	7322	1200	128	25288
State Sector	12050	13399	8710	5615	50	39824
Total	15966	26122	16032	6815	177	65112

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	546	1235	540	420	9	2750
Hydro	129	27	69	38	8	272
Nuclear	25	19	40	0	0	83
Gas, Naptha & Diesel	24	41	23	0	30	118
RES (Wind, Solar, Biomass & Others)	60	31	121	1	0	213
Total	784	1353	793	458	47	3435

Share of RES in total generation (%)	7.61	2.28	15.29	0.19	0.09	6.19
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.25	5.69	29.07	8.41	17.42	16.53

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 : 20-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	98	329	0.0	3.5	-3.5	
2		SASARAM-FATEHPUR	S/C	156	96	0.8	0.0	0.8	
3		GAYA-BALIA	S/C	0	228	0.0	3.8	-3.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	300	0.0	7.6	-7.6	
5		PUSAULI B/B	S/C	0	348	0.0	8.6	-8.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	250	0.0	5.5	-5.5	
7		PUSAULI -ALLAHABAD	S/C	0	166	0.0	3.1	-3.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	115	310	0.0	2.0	-2.0	
9		PATNA-BALIA	Q/C	0	805	0.0	15.4	-15.4	
10		BIHARSHARIFF-BALIA	D/C	4	112	0.0	2.7	-2.7	
11		MOTIHARI-GORAKHPUR	D/C	0	324	0.0	6.4	-6.4	
12		BIHARSHARIFF-VARANASI	D/C	189	47	1.3	0.0	1.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	124	0.0	2.0	-2.0	
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	2.6	60.7	-58.0
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	886	0	23.4	0.0	23.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	213	276	0.0	0.0	0.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	349	1	4.1	0.0	4.1	
21		RANCHI-SIPAT	D/C	185	0	2.6	0.0	2.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	37	66	0.0	0.6	-0.6	
23		BUDHIPADAR-KORBA	D/C	205	0	2.6	0.0	2.6	
						ER-WR	32.6	0.7	32.0
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1804.0	0.0	32.5	-32.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	623.0	0.0	13.6	-13.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2453.0	0.0	44.6	-44.6	
27	400 kV	TALCHER-I/C	D/C	0.0	847.0	0.3	0.0	0.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	90.8	-90.8
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	369	0.0	6.1	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	17	176	0.0	1.9	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	112	0.0	1.6	-2	
						ER-NER	0.0	9.5	-9.5
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	902	0.0	21.4	-21.4	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35	765 kV	APL -MHG	D/C	0	790	0.0	19.4	-19.4	
36		GWALIOR-AGRA	D/C	0	690	0.0	23.1	-23.1	
37		PHAGI-GWALIOR	D/C	0	1116	0.0	19.4	-19.4	
38		JABALPUR-ORAI	D/C	225	149	0.0	2.0	-2.0	
39		GWALIOR-ORAI	S/C	550	0	10.1	0.0	10.1	
40		SATNA-ORAI	S/C	0	1589	0.0	34.5	-34.5	
41		400 kV	ZERDA-KANKROLI	S/C	386	0	7.2	0.0	7.2
42	ZERDA -BHINMAL		S/C	269	20	3.6	0.0	3.6	
43	V'CHAL -RIHAND		S/C	991	0	22.5	0.0	22.5	
44	RAPP-SHUJALPUR		D/C	360	0	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	71	0	2.5	0.0	2.5	
46		BADOD-MORAK	S/C	75	10	0.8	0.0	0.8	
47		MEHGAON-AURAIYA	S/C	120	0	1.6	0.0	1.6	
48	132kV	MALANPUR-AURAIYA	S/C	76	0	0.8	0.0	0.8	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	55.1	122.8	-67.7
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	24.0	-24.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	77	2022	0.0	22.6	-22.6	
53		WARDHA-NIZAMABAD	D/C	0	2458	0.0	36.6	-36.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	797	0	10.7	0.0	10.7	
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	65	1.2	0.0	1.2	
						WR-SR	11.9	83.2	-71.2
TRANSNATIONAL EXCHANGE									
58		BHUTAN						7.1	
59		NEPAL						-2.8	
60		BANGLADESH						-18.2	