



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: 18th 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., डोंगतिह, 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 17.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-नवंबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 17th 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

18-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	40693	48815	40938	18796	2361	151603
Peak Shortage (MW)	472	0	0	0	90	562
Energy Met (MU)	887	1168	899	359	42	3354
Hydro Gen (MU)	132	24	74	44	10	285
Wind Gen (MU)	3	12	21	-----	-----	36
Solar Gen (MU)*	20.88	19.76	61.03	0.96	0.03	103
Energy Shortage (MU)	10.3	0.0	0.0	0.0	1.2	11.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42116 18:28	54839 10:43	41192 18:41	19102 19:20	2417 18:12	154547 18:28

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	0.048	0.00	0.63	12.05	12.67	81.98	5.35

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	5238	0	109.4	24.3	-0.2	173	0.0	
	Haryana	5875	0	114.3	62.8	1.1	150	0.0	
	Rajasthan	11490	0	229.7	67.9	1.6	399	0.0	
	Delhi	3185	0	60.0	44.4	0.0	123	0.0	
	UP	12337	0	263.0	111.1	0.0	369	0.0	
	Uttarakhand	1819	0	35.7	24.4	1.5	284	0.0	
	HP	1527	0	27.6	17.8	0.5	119	0.0	
	J&K	2111	528	43.8	37.6	-3.0	65	10.3	
	Chandigarh	173	0	3.1	3.1	0.0	26	0.0	
	WR	Chhattisgarh	3648	0	77.3	21.3	-1.4	169	0.0
Gujarat		14794	0	321.0	133.1	5.1	790	0.0	
MP		13264	0	269.1	157.0	-2.3	367	0.0	
Maharashtra		22430	0	457.8	142.2	0.2	640	0.0	
Goa		480	0	10.0	10.4	-0.8	54	0.0	
DD		314	0	6.9	6.2	0.7	68	0.0	
DNH		650	0	14.8	14.2	0.6	67	0.0	
Essar steel		583	0	11.6	11.3	0.2	363	0.0	
SR		Andhra Pradesh	8100	0	179.2	66.6	0.9	504	0.0
		Telangana	8293	0	178.4	95.3	1.0	569	0.0
	Karnataka	11057	0	218.7	70.9	-0.3	314	0.0	
	Kerala	3332	0	62.8	49.5	-0.2	214	0.0	
	Tamil Nadu	11284	0	253.0	135.9	-1.0	379	0.0	
	Pondy	325	0	6.6	6.9	-0.3	36	0.0	
	ER	Bihar	4079	0	69.4	66.8	0.1	460	0.0
DVC		3012	0	63.9	-28.1	1.0	396	0.0	
Jharkhand		1228	0	24.5	15.1	-0.7	169	0.0	
Odisha		4432	0	86.5	29.8	4.1	267	0.0	
West Bengal		6610	0	113.1	27.8	2.0	309	0.0	
Sikkim		100	0	1.4	1.2	0.2	18	0.0	
NER	Arumachal Pradesh	108	2	2.0	2.1	-0.1	57	0.0	
	Assam	1425	22	23.8	18.1	1.3	129	1.1	
	Manipur	168	2	2.6	2.5	0.1	57	0.0	
	Meghalaya	324	0	5.8	4.2	-0.2	29	0.0	
	Mizoram	86	2	1.7	1.1	0.0	0	0.0	
	Nagaland	124	1	2.2	1.7	0.3	22	0.0	
	Tripura	225	1	3.8	2.2	-0.1	83	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.2	-3.7	-17.1
Day peak (MW)	299.4	-134.0	-848.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	123.7	-168.5	131.6	-84.6	-2.2	0.0
Actual(MU)	121.0	-175.9	131.8	-75.5	-3.5	-2.0
O/D/U/D(MU)	-2.6	-7.4	0.2	9.2	-1.4	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4701	12533	6112	1450	93	24888
State Sector	12150	15106	8610	5405	50	41321
Total	16851	27639	14722	6855	142	66209

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	554	1225	517	424	9	2728
Hydro	132	24	74	44	10	285
Nuclear	25	29	41	0	0	94
Gas, Naptha & Diesel	24	47	23	0	30	123
RES (Wind, Solar, Biomass & Others)	48	33	120	1	0	202
Total	782	1358	775	469	49	3433

Share of RES in total generation (%)	6.09	2.44	15.52	0.22	0.06	5.88
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.17	6.33	30.37	9.66	21.25	16.95

H. Diversity Factor

All India Demand Diversity Factor	1.033
-----------------------------------	-------

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 : 18-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	64	410	0.0	3.9	-3.9	
2		SASARAM-FATEHPUR	S/C	179	129	1.0	0.0	1.0	
3		GAYA-BALIA	S/C	32	160	0.0	2.1	-2.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	307	0.0	7.0	-7.0	
5		PUSAULI B/B	S/C	0	346	0.0	8.6	-8.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	250	0.0	5.3	-5.3	
7		PUSAULI -ALLAHABAD	S/C	0	172	0.0	3.1	-3.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	47	425	0.0	3.5	-3.5	
9		PATNA-BALIA	Q/C	0	759	0.0	15.5	-15.5	
10		BIHARSHARIFF-BALIA	D/C	26	80	0.0	1.3	-1.3	
11		MOTIHARI-GORAKHPUR	D/C	0	383	0.0	7.3	-7.3	
12		BIHARSHARIFF-VARANASI	D/C	168	121	0.4	0.0	0.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	122	0.0	2.1	-2.1	
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	59.7	-57.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1639	0	27.2	0.0	27.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	209	436	0.0	1.8	-1.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	398	94	3.6	0.0	3.6	
21		RANCHI-SIPAT	D/C	173	46	1.9	0.0	1.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	17	67	0.0	0.4	-0.4	
23		BUDHIPADAR-KORBA	D/C	125	0	2.2	0.0	2.2	
ER-WR						34.8	2.3	32.6	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1818.0	0.0	36.1	-36.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	627.0	0.0	14.8	-14.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2466.0	0.0	42.0	-42.0	
27	400 kV	TALCHER-I/C	D/C	0.0	878.0	1.2	0.0	1.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	92.8	-92.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	380	0.0	5.9	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	34	215	0.0	1.6	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	117	0.0	1.5	-2	
ER-NER						0.0	9.0	-9.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	12.7	-12.7	
NER-NR						0.0	12.7	-12.7	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	904	0.0	21.4	-21.4	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1078	0.0	26.1	-26.1	
36	765 kV	GWALIOR-AGRA	D/C	0	648	0.0	20.2	-20.2	
37		PHAGI-GWALIOR	D/C	0	1086	0.0	20.5	-20.5	
38		JABALPUR-ORAI	D/C	283	85	0.0	1.7	-1.7	
39		GWALIOR-ORAI	S/C	529	0	10.1	0.0	10.1	
40		SATNA-ORAI	S/C	0	1576	0.0	35.8	-35.8	
41		400 kV	ZERDA-KANKROLI	S/C	413	0	7.9	0.0	7.9
42			ZERDA -BHINMAL	S/C	261	0	4.1	0.0	4.1
43	V'CHAL -RIHAND		S/C	986	0	22.7	0.0	22.7	
44	RAPP-SHUJALPUR		D/C	418	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	77	0	2.9	0.0	2.9	
46		BADOD-MORAK	S/C	59	23	0.4	0.0	0.4	
47		MEHGAON-AURAIYA	S/C	123	0	1.8	0.0	1.8	
48	132kV	MALANPUR-AURAIYA	S/C	79	0	0.9	0.0	0.9	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						59.9	125.7	-65.8	
Import/Export of WR (With SR)									
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	1987	0.0	27.9	-27.9	
53		WARDHA-NIZAMABAD	D/C	0	2392	0.0	42.0	-42.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	718	0	9.4	0.0	9.4	
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	67	1.3	0.0	1.3	
WR-SR						10.8	93.7	-83.0	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						7.2	
59		NEPAL						-3.7	
60		BANGLADESH						-17.1	