



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: 14th 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 13.11.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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

14-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41824	47630	42959	18756	2427	153596
Peak Shortage (MW)	475	0	0	0	39	514
Energy Met (MU)	903	1137	962	362	42	3407
Hydro Gen (MU)	141	21	87	44	8	302
Wind Gen (MU)	6	13	15	-----	-----	34
Solar Gen (MU)*	18.88	19.98	71.99	0.81	0.05	112
Energy Shortage (MU)	10.5	0.0	0.0	0.0	0.6	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42943 18:48	53547 10:39	43440 18:23	18987 18:26	2524 17:36	156440 18:24

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	0.21	9.56	9.77	80.19	10.05

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	4947	0	110.2	21.1	-1.3	76	0.0
	Haryana	5987	0	112.5	70.6	-0.1	172	0.0
	Rajasthan	11470	0	242.3	63.8	3.4	500	0.0
	Delhi	3308	0	59.7	44.6	-1.2	112	0.0
	UP	13689	0	270.0	109.3	-0.8	275	0.0
	Uttarakhand	1771	0	33.9	23.6	0.4	202	0.0
	HP	1539	0	27.2	16.9	1.1	104	0.0
	J&K	2137	534	44.5	38.1	-1.1	92	10.5
WR	Chhattisgarh	179	0	3.1	3.1	0.0	18	0.0
	Chhattisgarh	3566	0	76.3	11.3	-1.9	149	0.0
	Gujarat	13828	0	303.2	121.7	3.2	515	0.0
	MP	12980	0	263.0	164.5	-2.0	335	0.0
	Maharashtra	22172	0	452.4	148.9	-1.2	603	0.0
	Goa	444	0	10.6	10.1	0.1	49	0.0
	DD	307	0	6.8	6.3	0.5	84	0.0
	DNH	629	0	14.4	14.2	0.3	66	0.0
SR	Essar steel	520	0	10.8	10.2	0.6	248	0.0
	Andhra Pradesh	8672	0	189.1	67.8	2.1	973	0.0
	Telangana	8519	0	177.2	79.1	2.0	516	0.0
	Karnataka	11030	0	220.2	73.4	2.7	915	0.0
	Kerala	3710	0	72.3	46.8	1.9	237	0.0
	Tamil Nadu	14219	0	296.0	152.5	1.7	425	0.0
	Pondy	343	0	7.0	7.2	-0.2	18	0.0
	ER	Bihar	4103	0	69.6	69.8	-1.7	460
DVC		2966	0	62.9	-10.8	1.4	396	0.0
Jharkhand		1117	0	23.4	14.2	-1.2	169	0.0
Odisha		4388	0	87.9	32.5	2.2	267	0.0
West Bengal		6578	0	117.1	18.5	1.9	309	0.0
Sikkim		98	0	1.4	1.7	-0.3	18	0.0
NER	Arumachal Pradesh	114	1	2.2	2.0	0.2	40	0.0
	Assam	1502	21	24.9	19.5	1.2	139	0.6
	Manipur	167	3	2.4	2.8	-0.4	23	0.0
	Meghalaya	320	0	5.6	3.5	-0.1	64	0.0
	Mizoram	83	1	1.7	1.0	0.3	11	0.0
	Nagaland	119	2	2.1	1.9	-0.1	13	0.0
Tripura	223	3	3.6	2.0	-0.3	12	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.3	-2.1	-14.9
Day peak (MW)	442.5	-124.0	-688.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	122.2	-166.2	111.9	-69.5	1.7	0.1
Actual(MU)	99.6	-174.2	129.2	-62.7	0.4	-7.7
O/D/U/D(MU)	-22.7	-8.0	17.3	6.8	-1.3	-7.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4789	13459	6822	1745	46	26861
State Sector	11065	14949	7460	6465	50	39989
Total	15854	28408	14282	8210	96	66849

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	558	1201	576	399	8	2743
Hydro	141	21	87	44	8	302
Nuclear	25	31	40	0	0	95
Gas, Naptha & Diesel	48	40	25	0	30	143
RES (Wind, Solar, Biomass & Others)	40	34	122	1	0	197
Total	812	1327	850	444	46	3479

Share of RES in total generation (%)	4.98	2.54	14.32	0.19	0.11	5.65
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.40	6.49	29.24	10.02	18.20	17.06

H. Diversity Factor

All India Demand Diversity Factor	1.032
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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 : 14-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	249	217	0.0	0.3	-0.3
2		SASARAM-FATEHPUR	S/C	275	86	2.5	0.0	2.5
3		GAYA-BALIA	S/C	18	116	0.0	1.5	-1.5
4	HVDC	ALIPURDUAR-AGRA	-	0	301	0.0	7.4	-7.4
5		PUSAULI B/B	S/C	0	398	0.0	9.9	-9.9
6	400 kV	PUSAULI-VARANASI	S/C	0	297	0.0	6.4	-6.4
7		PUSAULI -ALLAHABAD	S/C	0	180	0.0	3.3	-3.3
8		MUZAFFARPUR-GORAKHPUR	D/C	182	290	0.0	0.5	-0.5
9		PATNA-BALIA	Q/C	0	718	0.0	12.4	-12.4
10		BIHARSHARIFF-BALIA	D/C	46	47	0.0	0.8	-0.8
11		MOTIHARI-GORAKHPUR	D/C	0	342	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	D/C	268	43	2.3	0.0	2.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	132	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	0.7	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						5.4	51.6	-46.3
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	790	0	26.8	0.0	26.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	377	372	2.6	0.0	2.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	315	87	3.4	0.0	3.4
21		RANCHI-SIPAT	D/C	269	7	3.7	0.0	3.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	25	69	0.0	0.5	-0.5
23		BUDHIPADAR-KORBA	D/C	144	0	2.6	0.0	2.6
ER-WR						39.1	0.5	38.6
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1729.0	0.0	30.2	-30.2
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	668.0	0.0	14.8	-14.8
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1980.0	0.0	46.3	-46.3
27	400 kV	TALCHER-I/C	D/C	0.0	730.0	0.0	6.7	-6.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	91.2	-91.2
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	408	0.0	7.7	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	252	0.0	3.9	-4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	89	0.0	1.3	-1
ER-NER						0.0	12.8	-12.8
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	901	2.5	0.0	2.5
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	885	0.0	21.8	-21.8
36		GWALIOR-AGRA	D/C	0	735	0.0	7.0	-7.0
37		PHAGI-GWALIOR	D/C	0	1170	11.2	0.0	11.2
38		JABALPUR-ORAI	D/C	282	153	0.0	28.1	-28.1
39		GWALIOR-ORAI	S/C	474	0	0.0	0.1	-0.1
40		SATNA-ORAI	S/C	0	1636	0.7	0.0	0.7
41		ZERDA-KANKROLI	S/C	336	0	0.0	7.0	-7.0
42	400 kV	ZERDA -BHINMAL	S/C	245	55	0.0	23.6	-23.6
43		V'CHAL -RIHAND	S/C	985	0	8.5	0.0	8.5
44		RAPP-SHUJALPUR	D/C	436	0	11	18	-7
45	220 kV	BADOD-KOTA	S/C	82	88	2.2	0.0	2.2
46		BADOD-MORAK	S/C	70	148	0.5	0.7	-0.2
47		MEHGAON-AURAIYA	S/C	136	0	1.8	0.0	1.8
48	132kV	MALANPUR-AURAIYA	S/C	94	1	1.0	0.0	1.0
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						45.6	106.4	-60.9
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	403	2026	0.0	25.1	-25.1
53		WARDHA-NIZAMABAD	D/C	0	2223	0.0	21.1	-21.1
54	400 kV	KOLHAPUR-KUDGI	D/C	745	0	8.0	0.0	8.0
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	66	1.3	0.0	1.3
WR-SR						9.3	70.1	-60.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						7.3
59		NEPAL						-2.1
60		BANGLADESH						-14.9