



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: 08th 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 07.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 7th November 2018, is available at the NLDC website.

धन्यवाद,

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

8-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	37705	40137	37538	19810	2412	137602
Peak Shortage (MW)	451	0	9	0	35	495
Energy Met (MU)	828	1041	878	388	41	3176
Hydro Gen (MU)	143	10	62	38	9	261
Wind Gen (MU)	3	22	37	-----	-----	62
Solar Gen (MU)*	22.50	20.11	67.64	0.88	0.04	111
Energy Shortage (MU)	9.0	0.0	0.4	0.0	1.3	10.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	40023 07:25	47294 11:06	39217 09:15	19988 18:57	2391 18:17	142338 07:44

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	0.022	0.00	0.00	0.32	0.32	80.06	19.62

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	4595	0	97.3	23.5	-0.9	90	0.0	
	Haryana	4877	0	96.3	64.5	0.6	224	0.0	
	Rajasthan	10196	0	199.4	51.6	-0.9	380	0.0	
	Delhi	2698	0	53.9	44.5	-1.3	96	0.0	
	UP	14475	0	293.9	116.3	-1.8	236	0.0	
	Uttarakhand	1469	0	26.8	16.4	-1.3	121	0.0	
	HP	1122	0	19.5	9.4	-0.1	192	0.0	
	J&K	2040	510	37.9	34.4	-6.1	48	9.0	
	Chandigarh	147	0	2.7	3.0	-0.3	21	0.0	
	WR	Chhattisgarh	3399	0	81.3	14.1	0.1	269	0.0
Gujarat		12420	0	258.4	94.3	7.0	729	0.0	
MP		12226	0	253.7	161.0	-2.7	306	0.0	
Maharashtra		19033	0	413.7	128.9	-1.3	765	0.0	
Goa		432	0	9.7	9.2	0.0	24	0.0	
DD		252	0	3.7	3.7	0.0	29	0.0	
DNH		593	0	9.5	9.7	-0.2	92	0.0	
Essar steel		586	0	11.2	10.1	1.1	315	0.0	
SR		Andhra Pradesh	8513	0	184.9	63.1	-1.1	533	0.0
		Telangana	9096	0	190.9	95.4	2.3	774	0.0
	Karnataka	10580	0	205.4	60.8	0.9	492	0.0	
	Kerala	3628	0	70.1	47.0	1.5	336	0.4	
	Tamil Nadu	10975	0	221.4	120.8	-0.9	514	0.0	
	Pondy	278	0	5.6	6.1	-0.5	18	0.0	
	ER	Bihar	4516	0	82.9	75.7	4.8	400	0.0
		DVC	2909	0	64.5	-16.9	2.1	250	0.0
		Jharkhand	1112	0	25.0	15.0	-0.6	50	0.0
		Odisha	4835	0	93.4	44.7	6.2	500	0.0
West Bengal		6784	0	121.2	28.8	-0.3	350	0.0	
Sikkim		83	0	1.0	1.5	-0.4	10	0.0	
NER	Arumachal Pradesh	110	2	2.0	2.0	-0.1	7	0.1	
	Assam	1497	21	22.3	18.1	-0.3	121	0.6	
	Manipur	165	3	2.5	2.7	-0.2	17	0.2	
	Meghalaya	310	0	5.3	2.9	0.0	138	0.0	
	Mizoram	87	3	1.4	1.5	-0.1	18	0.1	
	Nagaland	129	3	2.0	1.9	-0.1	21	0.1	
	Tripura	248	1	5.3	2.6	0.9	11	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.6	-1.6	-18.6
Day peak (MW)	381.4	-126.0	-842.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	95.1	-181.5	119.7	-35.6	1.7	-0.6
Actual(MU)	71.0	-186.7	124.1	-17.6	-1.0	-10.3
O/D/U/D(MU)	-24.1	-5.2	4.4	18.0	-2.7	-9.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4856	13213	6822	600	81	25572
State Sector	8810	17027	8350	6215	50	40452
Total	13666	30240	15172	6815	131	66023

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	537	1110	494	392	8	2540
Hydro	143	9	62	38	9	261
Nuclear	25	30	41	0	0	96
Gas, Naptha & Diesel	24	39	24	0	29	116
RES (Wind, Solar, Biomass & Others)	42	43	142	1	0	228
Total	771	1231	763	431	45	3241

Share of RES in total generation (%)	5.47	3.50	18.59	0.28	0.09	7.05
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.22	6.72	32.07	9.06	19.12	18.05

H. Diversity Factor

All India Demand Diversity Factor	1.046
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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 : 8-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	357	57	2.2	0.0	2.2
2		SASARAM-FATEHPUR	S/C	382	0	5.9	0.0	5.9
3		GAYA-BALIA	S/C	18	147	0.0	2.0	-2.0
4	HVDC	ALIPURDUAR-AGRA	-	0	200	0.0	5.1	-5.1
5		PUSAULI B/B	S/C	2	399	0.0	9.6	-9.6
6	400 kV	PUSAULI-VARANASI	S/C	0	311	0.0	6.6	-6.6
7		PUSAULI -ALLAHABAD	S/C	41	143	0.0	2.2	-2.2
8		MUZAFFARPUR-GORAKHPUR	D/C	245	215	0.1	0.0	0.1
9		PATNA-BALIA	Q/C	0	383	0.0	4.6	-4.6
10		BIHARSHARIFF-BALIA	D/C	77	27	0.1	0.0	0.1
11		MOTIHARI-GORAKHPUR	D/C	0	252	0.0	4.1	-4.1
12		BIHARSHARIFF-VARANASI	D/C	358	0	4.4	0.0	4.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	131	0.0	2.6	-2.6
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						13.3	36.7	-23.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1023	0	38.8	0.0	38.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	572	29	6.3	0.0	6.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	334	0	4.4	0.0	4.4
21		RANCHI-SIPAT	D/C	297	0	4.2	0.0	4.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	236	0	4.4	0.0	4.4
ER-WR						58.1	0.0	58.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1939.0	0.0	33.7	-33.7
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	617.0	0.0	14.7	-14.7
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.0	0.0	39.3	-39.3
27	400 kV	TALCHER-I/C	D/C	0.0	816.0	0.0	1.2	-1.2
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	87.7	-87.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	375	0.0	6.3	-6
30		ALIPURDUAR-BONGAIGAON	D/C	0	236	0.0	4.1	-4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	83	0.0	1.4	-1
ER-NER						0.0	11.8	-11.8
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	509	0.0	13.0	-13.0
NER-NR						0.0	13.0	-13.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	653	0.0	15.4	-15.4
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	888	0.0	21.3	-21.3
36		GWALIOR-AGRA	D/C	0	638	0.0	20.2	-20.2
37		PHAGI-GWALIOR	D/C	0	943	0.0	15.5	-15.5
38		JABALPUR-ORAI	D/C	304	108	0.0	2.1	-2.1
39		GWALIOR-ORAI	S/C	420	0	7.4	0.0	7.4
40		SATNA-ORAI	S/C	0	1591	0.0	35.2	-35.2
41		400 kV	ZERDA-KANKROLI	S/C	408	0	6.8	0.0
42	ZERDA -BHINMAL		S/C	275	45	3.3	0.0	3.3
43	V'CHAL -RIHAND		S/C	964	0	21.2	0.0	21.2
44	RAPP-SHUJALPUR		D/C	508	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	94	0	2.9	0.0	2.9
46		BADOD-MORAK	S/C	92	13	1.0	0.0	1.0
47		MEHGAON-AURAIYA	S/C	108	0	1.9	0.0	1.9
48	132kV	MALANPUR-AURAIYA	S/C	69	0	1.1	0.0	1.1
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						55.0	109.6	-54.6
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.8	-23.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	1925	0.0	27.1	-27.1
53		WARDHA-NIZAMABAD	D/C	0	2020	0.0	31.8	-31.8
54	400 kV	KOLHAPUR-KUDGI	D/C	683	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	54	1.1	0.0	1.1
WR-SR						9.1	82.7	-73.6
TRANSNATIONAL EXCHANGE								
58		BHUTAN						5.6
59		NEPAL						-1.6
60		BANGLADESH						-18.6