



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: 07th 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 06.11.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 6th 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

7-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41960	47451	38564	20541	2403	150919
Peak Shortage (MW)	448	0	200	150	59	857
Energy Met (MU)	906	1177	907	411	42	3442
Hydro Gen (MU)	155	17	87	42	9	311
Wind Gen (MU)	7	33	23	-----	-----	64
Solar Gen (MU)*	22.97	19.5	61.27	1.35	0.02	105
Energy Shortage (MU)	9.6	0.0	0.7	0.5	1.5	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43371 18:28	54799 10:59	39820 09:09	20729 19:18	2408 17:53	153600 18:36

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	0.021	0.00	0.00	1.57	1.57	85.78	12.65

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	5303	0	111.7	21.9	-0.3	92	0.0	
	Haryana	5411	0	111.6	68.2	-0.1	193	0.0	
	Rajasthan	11019	0	215.4	49.5	0.1	415	0.0	
	Delhi	3332	0	63.0	52.8	-1.2	120	0.0	
	UP	15077	0	300.2	112.8	0.1	353	0.0	
	Uttarakhand	1732	0	34.0	21.8	0.7	203	0.0	
	HP	1470	0	26.4	15.4	0.3	151	0.0	
	J&K	2155	539	40.2	34.7	-3.4	236	9.6	
	Chandigarh	167	0	3.1	3.3	-0.2	17	0.0	
	WR	Chhattisgarh	3925	0	88.9	19.4	0.8	251	0.0
Gujarat		13902	0	310.1	109.7	7.0	501	0.0	
MP		12522	0	265.0	164.0	-1.4	443	0.0	
Maharashtra		22334	0	471.6	166.1	-2.0	809	0.0	
Goa		432	0	9.7	8.6	0.6	76	0.0	
DD		307	0	6.8	6.1	0.7	61	0.0	
DNH		663	0	15.0	14.7	0.3	435	0.0	
Essar steel		525	0	9.8	9.3	0.5	264	0.0	
SR		Andhra Pradesh	9056	0	194.7	73.7	2.4	501	0.0
		Telangana	9739	0	204.5	84.0	2.2	854	0.0
	Karnataka	10939	0	214.8	51.6	1.9	511	0.0	
	Kerala	3426	0	70.2	43.0	1.3	220	0.7	
	Tamil Nadu	10297	0	216.9	112.0	1.0	596	0.0	
	Pondy	271	0	5.3	5.6	-0.3	39	0.0	
	ER	Bihar	4471	0	79.1	78.0	-1.7	50	0.0
DVC		3038	150	65.1	-15.9	7.0	600	0.5	
Jharkhand		1082	0	25.4	15.0	0.0	100	0.0	
Odisha		4865	0	93.1	38.7	4.8	500	0.0	
West Bengal		7552	0	147.0	31.1	1.7	430	0.0	
Sikkim		86	0	1.2	1.5	-0.3	25	0.0	
NER		Arumachal Pradesh	108	3	2.0	1.7	0.3	47	0.1
	Assam	1492	17	23.4	18.6	0.6	112	0.6	
	Manipur	180	2	2.1	2.5	-0.4	44	0.4	
	Meghalaya	315	0	5.3	2.6	0.0	38	0.0	
	Mizoram	81	3	1.7	0.8	0.7	41	0.1	
	Nagaland	128	2	2.1	1.7	0.1	42	0.1	
	Tripura	245	1	5.2	2.3	1.3	26	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.3	-2.2	-19.2
Day peak (MW)	379.5	-122.0	-851.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	98.1	-137.2	85.5	-48.2	1.9	0.2
Actual(MU)	74.4	-138.6	88.4	-30.0	3.1	-2.6
O/D/U/D(MU)	-23.7	-1.4	2.9	18.3	1.2	-2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3235	12857	6742	1960	81	24875
State Sector	8150	14747	7810	6135	50	36892
Total	11385	27604	14552	8095	131	61766

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	592	1178	548	413	5	2735
Hydro	155	17	87	42	9	311
Nuclear	25	30	41	0	0	95
Gas, Naptha & Diesel	30	44	25	0	28	127
RES (Wind, Solar, Biomass & Others)	48	54	122	1	0	225
Total	849	1321	823	457	43	3493

Share of RES in total generation (%)	5.60	4.05	14.85	0.30	0.05	6.44
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.76	7.58	30.43	9.58	22.07	18.07

H. Diversity Factor

All India Demand Diversity Factor	1.049
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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 : 7-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	262	158	1.3	0.0	1.3
2		SASARAM-FATEHPUR	S/C	361	0	5.4	0.0	5.4
3		GAYA-BALIA	S/C	15	179	0.0	2.2	-2.2
4	HVDC	ALIPURDUAR-AGRA	-	0	200	0.0	4.9	-4.9
5		PUSAULI B/B	S/C	0	398	0.0	9.3	-9.3
6	400 kV	PUSAULI-VARANASI	S/C	0	309	0.0	6.5	-6.5
7		PUSAULI -ALLAHABAD	S/C	0	150	0.0	2.8	-2.8
8		MUZAFFARPUR-GORAKHPUR	D/C	142	263	0.0	0.5	-0.5
9		PATNA-BALIA	Q/C	0	353	0.0	4.8	-4.8
10		BIHARSHARIFF-BALIA	D/C	34	49	0.0	0.6	-0.6
11		MOTIHARI-GORAKHPUR	D/C	0	231	0.0	4.0	-4.0
12		BIHARSHARIFF-VARANASI	D/C	314	0	3.9	0.0	3.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	141	0.0	2.9	-2.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.5	0.0	0.5
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						11.0	38.5	-27.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	744	0	26.4	0.0	26.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	534	151	4.6	0.3	4.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	212	107	1.6	0.3	1.2
21		RANCHI-SIPAT	D/C	243	3	3.4	0.0	3.4
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	213	0	3.2	0.0	3.2
ER-WR						39.2	0.7	38.5
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1981.0	0.0	37.1	-37.1
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	619.0	0.0	14.7	-14.7
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	992.0	0.0	24.1	-24.1
27	400 kV	TALCHER-I/C	D/C	0.0	206.0	17.0	0.0	17.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	75.9	-75.9
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	515	0.0	7.8	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	403	0.0	5.4	-5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	104	0.0	1.5	-2
ER-NER						0.0	14.6	-14.6
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	508	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	654	0.0	15.5	-15.5
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	886	0.0	20.2	-20.2
36		GWALIOR-AGRA	D/C	49	739	0.0	19.8	-19.8
37		PHAGI-GWALIOR	D/C	0	890	0.0	13.5	-13.5
38		JABALPUR-ORAI	D/C	397	165	2.1	0.0	2.1
39		GWALIOR-ORAI	S/C	414	0	7.3	0.0	7.3
40		SATNA-ORAI	S/C	0	1643	0.0	34.7	-34.7
41		ZERDA-KANKROLI	S/C	419	0	7.3	0.0	7.3
42	400 kV	ZERDA -BHINMAL	S/C	354	0	4.0	0.0	4.0
43		V'CHAL -RIHAND	S/C	965	0	20.3	0.0	20.3
44		RAPP-SHUJALPUR	D/C	553	0	4	0	4
45	220 kV	BADOD-KOTA	S/C	92	0	3.2	0.0	3.2
46		BADOD-MORAK	S/C	100	0	1.2	0.0	1.2
47		MEHGAON-AURAIYA	S/C	123	0	2.1	0.0	2.1
48	132kV	MALANPUR-AURAIYA	S/C	85	0	1.4	0.0	1.4
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						59.1	103.7	-44.5
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	22.0	-22.0
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	713	1480	0.0	15.6	-15.6
53		WARDHA-NIZAMABAD	D/C	0	1940	0.0	31.1	-31.1
54	400 kV	KOLHAPUR-KUDGI	D/C	913	0	12.5	0.0	12.5
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	63	1.2	0.0	1.2
WR-SR						13.7	68.7	-55.0
TRANSNATIONAL EXCHANGE								
58		BHUTAN						6.3
59		NEPAL						-2.2
60		BANGLADESH						-19.2