



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: 15th 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 14.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14th 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

15-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41263	48517	42944	18979	2400	154103
Peak Shortage (MW)	638	0	0	350	57	1045
Energy Met (MU)	880	1150	967	356	44	3397
Hydro Gen (MU)	138	20	88	43	8	298
Wind Gen (MU)	6	11	13	-----	-----	31
Solar Gen (MU)*	17.79	18.47	71.61	0.82	0.04	109
Energy Shortage (MU)	10.4	0.0	0.0	1.1	0.7	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42428 18:50	54507 10:57	43821 07:26	18928 18:00	2462 17:43	156733 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	0.056	0.00	0.83	15.31	16.15	76.96	6.90

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	5169	0	108.0	20.6	0.1	167	0.0	
	Haryana	5976	143	107.0	64.7	0.2	280	0.7	
	Rajasthan	11475	0	229.5	64.7	1.4	536	0.0	
	Delhi	3248	0	61.8	46.1	-0.3	212	0.0	
	UP	12495	390	265.9	108.5	0.2	539	0.0	
	Uttarakhand	1825	0	34.9	22.8	1.8	284	0.2	
	HP	1490	0	26.7	17.1	0.8	180	0.0	
	J&K	2059	515	42.8	36.6	-1.2	149	9.6	
	Chandigarh	177	0	3.2	3.1	0.1	22	0.0	
	WR	Chhattisgarh	3632	0	77.1	7.7	-1.8	147	0.0
Gujarat		14005	0	309.0	122.7	0.9	412	0.0	
MP		13082	0	267.0	160.0	-2.3	349	0.0	
Maharashtra		21966	0	454.6	141.9	-2.5	667	0.0	
Goa		444	0	10.5	9.8	0.3	57	0.0	
DD		311	0	6.9	6.2	0.7	41	0.0	
DNH		642	0	14.5	14.2	0.3	127	0.0	
Essar steel		502	0	10.5	10.6	-0.1	266	0.0	
SR		Andhra Pradesh	8732	0	190.0	67.6	1.4	567	0.0
		Telangana	8459	0	177.5	78.3	2.1	694	0.0
	Karnataka	10759	0	220.1	72.4	0.1	354	0.0	
	Kerala	3729	0	72.8	52.4	1.1	170	0.0	
	Tamil Nadu	14683	0	300.1	150.3	2.0	593	0.0	
	Pondy	332	0	6.7	7.1	-0.4	21	0.0	
ER	Bihar	4059	0	68.5	67.2	-1.0	460	0.0	
	DVC	2945	150	63.3	-11.5	1.2	396	0.5	
	Jharkhand	1094	0	25.0	14.6	-0.1	169	0.0	
	Odisha	4317	200	85.5	31.2	2.8	267	0.6	
	West Bengal	6526	0	112.4	22.6	4.4	309	0.0	
	Sikkim	99	0	1.4	1.5	-0.1	18	0.0	
NER	Arumachal Pradesh	118	3	2.1	1.9	0.2	32	0.0	
	Assam	1492	25	24.8	19.7	1.2	127	0.6	
	Manipur	173	4	2.5	2.7	-0.1	40	0.0	
	Meghalaya	322	3	5.9	3.6	-0.2	56	0.0	
	Mizoram	87	2	1.7	1.1	0.3	10	0.0	
	Nagaland	109	4	2.1	1.8	-0.1	10	0.0	
	Tripura	206	6	4.9	2.1	1.5	37	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.6	-2.2	-14.3
Day peak (MW)	307.5	-134.0	-691.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	113.8	-162.8	110.4	-62.5	0.9	-0.2
Actual(MU)	110.0	-177.6	116.8	-55.0	1.8	-4.1
O/D/U/D(MU)	-3.8	-14.8	6.4	7.5	0.9	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4701	13519	7532	2245	46	28043
State Sector	11025	14734	7460	5965	50	39234
Total	15726	28253	14992	8210	96	67276

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	559	1218	589	396	7	2770
Hydro	138	20	88	43	8	298
Nuclear	24	31	40	0	0	95
Gas, Naptha & Diesel	17	38	25	0	30	111
RES (Wind, Solar, Biomass & Others)	48	31	117	1	0	196
Total	786	1339	858	440	46	3470

Share of RES in total generation (%)	6.04	2.32	13.59	0.20	0.09	5.66
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.74	6.16	28.48	10.01	18.25	16.99

H. Diversity Factor

All India Demand Diversity Factor	1.035
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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 : 15-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	179	256	0.0	0.3	-0.3
2		SASARAM-FATEHPUR	S/C	206	181	0.7	0.0	0.7
3		GAYA-BALIA	S/C	45	142	0.0	1.6	-1.6
4	HVDC	ALIPURDUAR-AGRA	-	0	348	0.0	7.1	-7.1
5		PUSAULI B/B	S/C	3	399	0.0	5.1	-5.1
6	400 kV	PUSAULI-VARANASI	S/C	0	283	0.0	3.5	-3.5
7		PUSAULI -ALLAHABAD	S/C	43	163	0.0	1.4	-1.4
8		MUZAFFARPUR-GORAKHPUR	D/C	163	265	0.0	0.6	-0.6
9		PATNA-BALIA	Q/C	0	794	0.0	14.1	-14.1
10		BIHARSHARIFF-BALIA	D/C	38	86	0.0	1.2	-1.2
11		MOTIHARI-GORAKHPUR	D/C	0	332	0.0	6.4	-6.4
12		BIHARSHARIFF-VARANASI	D/C	205	79	1.7	0.0	1.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	127	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	0.6	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						3.0	43.4	-40.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	905	0	26.7	0.0	26.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	528	240	2.5	0.0	2.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	338	0	4.0	0.0	4.0
21		RANCHI-SIPAT	D/C	304	0	4.1	0.0	4.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	50	76	0.0	0.5	-0.5
23		BUDHIPADAR-KORBA	D/C	171	0	3.1	0.0	3.1
ER-WR						40.3	0.5	39.8
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1820.0	0.0	31.8	-31.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	630.0	0.0	12.0	-12.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1977.0	0.0	43.5	-43.5
27	400 kV	TALCHER-I/C	D/C	0.0	725.0	0.0	2.1	-2.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	87.3	-87.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	428	0.0	7.6	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	274	0.0	3.8	-4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	86	0.0	1.3	-1
ER-NER						0.0	12.7	-12.7
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	506	0.0	11.8	-11.8
NER-NR						0.0	11.8	-11.8
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	904	0.0	21.2	-21.2
34		V'CHAL B/B	D/C	241	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	669	0.0	23.4	-23.4
37		PHAGI-GWALIOR	D/C	0	1247	0.0	17.6	-17.6
38		JABALPUR-ORAI	D/C	286	139	0.0	1.1	-1.1
39		GWALIOR-ORAI	S/C	538	0	9.3	0.0	9.3
40		SATNA-ORAI	S/C	0	1617	0.0	37.5	-37.5
41		400 kV	ZERDA-KANKROLI	S/C	378	0	7.1	0.0
42	ZERDA -BHINMAL		S/C	283	34	3.7	0.0	3.7
43	V'CHAL -RIHAND		S/C	977	0	22.6	0.0	22.6
44	RAPP-SHUJALPUR		D/C	561	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	77	0	2.9	0.0	2.9
46		BADOD-MORAK	S/C	66	43	0.6	0.1	0.5
47		MEHGAON-AURAIYA	S/C	117	0	1.6	0.0	1.6
48	132kV	MALANPUR-AURAIYA	S/C	74	0	0.8	0.0	0.8
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						58.0	122.7	-64.7
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.2	-23.2
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	244	1881	0.0	24.2	-24.2
53		WARDHA-NIZAMABAD	D/C	0	2226	0.0	35.4	-35.4
54	400 kV	KOLHAPUR-KUDGI	D/C	809	0	8.6	0.0	8.6
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						9.8	82.8	-72.9
TRANSNATIONAL EXCHANGE								
58		BHUTAN						8.6
59		NEPAL						-2.2
60		BANGLADESH						-14.3