



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: 19th 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 18.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18th 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

19-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	38371	47393	36696	17478	2278	142216
Peak Shortage (MW)	571	0	0	240	19	830
Energy Met (MU)	860	1148	868	347	40	3263
Hydro Gen (MU)	130	21	57	36	10	255
Wind Gen (MU)	7	7	28	-----	-----	42
Solar Gen (MU)*	21.61	20.05	60.98	0.77	0.04	103
Energy Shortage (MU)	10.6	0.0	0.0	0.7	0.7	12.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	39911 18:17	53064 10:58	38353 11:48	18003 18:34	2254 18:35	145381 18:23

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	0.041	0.00	0.00	10.97	10.97	79.85	9.18

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	5036	0	108.5	23.0	-0.1	75	0.0	
	Haryana	5305	0	105.1	56.7	1.8	319	0.0	
	Rajasthan	11268	0	225.8	64.5	1.0	594	0.0	
	Delhi	3179	0	57.3	45.9	-0.5	208	0.0	
	UP	12175	0	259.0	109.2	0.4	300	0.0	
	Uttarakhand	1664	0	31.7	21.5	0.0	108	0.0	
	HP	1490	0	26.2	16.6	0.1	152	0.3	
	J&K	2202	550	44.0	37.3	-2.5	194	10.3	
	Chandigarh	163	0	2.8	2.6	0.2	26	0.0	
	WR	Chhattisgarh	3529	0	76.7	14.3	-1.6	218	0.0
Gujarat		14120	0	315.0	132.5	7.0	583	0.0	
MP		13116	0	268.4	154.2	-1.5	515	0.0	
Maharashtra		21191	0	445.6	138.3	0.2	510	0.0	
Goa		480	0	10.0	9.0	0.6	61	0.0	
DD		278	0	6.5	5.4	1.1	71	0.0	
DNH		631	0	14.6	14.1	0.5	111	0.0	
Essar steel		531	0	11.0	10.8	0.1	267	0.0	
SR		Andhra Pradesh	7895	0	175.6	60.5	-0.1	437	0.0
		Telangana	8010	0	174.7	81.1	0.9	709	0.0
	Karnataka	10584	0	205.0	73.6	-0.4	403	0.0	
	Kerala	3165	0	63.2	50.3	0.9	227	0.0	
	Tamil Nadu	11157	0	243.7	134.8	-0.9	297	0.0	
	Pondy	288	0	6.2	6.5	-0.4	21	0.0	
ER	Bihar	3992	0	68.2	67.6	-2.0	460	0.0	
	DVC	2964	0	63.7	-28.8	1.1	396	0.4	
	Jharkhand	1069	110	23.9	16.1	-0.3	169	0.3	
	Odisha	4393	0	86.7	35.3	1.2	267	0.0	
	West Bengal	5818	0	102.8	21.7	0.5	309	0.0	
	Sikkim	90	0	1.5	1.1	0.3	18	0.0	
NER	Arumachal Pradesh	99	2	2.2	2.4	-0.2	9	0.0	
	Assam	1379	12	22.5	17.0	0.9	140	0.6	
	Manipur	158	3	2.4	2.6	-0.2	29	0.0	
	Meghalaya	319	0	6.0	4.5	-0.1	25	0.0	
	Mizoram	79	1	1.5	1.1	-0.3	-	0.0	
	Nagaland	108	2	2.2	2.0	0.0	-	0.0	
	Tripura	215	1	3.6	1.9	-0.2	33	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.9	-2.8	-18.4
Day peak (MW)	286.6	-140.0	-847.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	117.4	-156.6	113.0	-70.6	-3.0	0.3
Actual(MU)	117.5	-158.2	112.3	-67.8	-5.5	-1.7
O/D/U/D(MU)	0.1	-1.6	-0.7	2.8	-2.5	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4701	12533	6112	2050	143	25538
State Sector	12150	14210	8820	5615	50	40845
Total	16851	26743	14932	7665	192	66383

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	541	1208	512	411	8	2680
Hydro	130	21	57	36	10	255
Nuclear	25	19	46	0	0	89
Gas, Naptha & Diesel	21	43	25	0	31	119
RES (Wind, Solar, Biomass & Others)	52	29	126	1	0	208
Total	769	1319	765	448	49	3351

Share of RES in total generation (%)	6.81	2.16	16.49	0.18	0.08	6.21
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.98	5.15	29.92	8.31	21.08	16.48

H. Diversity Factor

All India Demand Diversity Factor	1.043
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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 : 19-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	172	391	0.0	3.4	-3.4	
2		SASARAM-FATEHPUR	S/C	221	83	1.3	0.0	1.3	
3		GAYA-BALIA	S/C	29	187	0.0	1.9	-1.9	
4		ALIPURDUAR-AGRA	-	0	301	0.0	7.5	-7.5	
5	400 kV	PUSAULI B/B	S/C	0	346	0.0	7.9	-7.9	
6		PUSAULI-VARANASI	S/C	0	250	0.0	5.0	-5.0	
7		PUSAULI -ALLAHABAD	S/C	0	161	0.0	2.9	-2.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	51	411	0.0	3.4	-3.4	
9		PATNA-BALIA	Q/C	0	750	0.0	14.4	-14.4	
10		BIHARSHARIFF-BALIA	D/C	16	88	0.0	2.2	-2.2	
11		MOTIHARI-GORAKHPUR	D/C	0	345	0.0	6.8	-6.8	
12		BIHARSHARIFF-VARANASI	D/C	196	91	0.8	0.0	0.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	115	0.0	2.0	-2.0	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15	132 kV	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	2.8	57.4	-54.7
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1656	0	25.0	0.0	25.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	221	394	0.0	1.5	-1.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	403	31	5.3	0.0	5.3	
21		RANCHI-SIPAT	D/C	185	17	2.4	0.0	2.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	42	59	0.0	0.2	-0.2	
23		BUDHIPADAR-KORBA	D/C	121	0	1.8	0.0	1.8	
						ER-WR	34.5	1.7	32.8
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1747.0	0.0	30.4	-30.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	623.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2466.0	0.0	47.5	-47.5	
27	400 kV	TALCHER-I/C	D/C	0.0	837.0	0.0	2.3	-2.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	92.5	-92.5
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	333	0.0	4.7	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	60	139	0.0	0.6	-1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	97	0.0	1.2	-1	
						ER-NER	0.0	6.6	-6.6
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	903	0.0	21.2	-21.2	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	885	0.0	21.5	-21.5	
36		GWALIOR-AGRA	D/C	0	646	0.0	20.2	-20.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	1392	0.0	20.8	-20.8	
38		JABALPUR-ORAI	D/C	299	125	0.0	1.0	-1.0	
39		GWALIOR-ORAI	S/C	603	0	10.1	0.0	10.1	
40		SATNA-ORAI	S/C	0	1480	0.0	33.7	-33.7	
41		400 kV	ZERDA-KANKROLI	S/C	403	0	7.5	0.0	7.5
42			ZERDA -BHINMAL	S/C	271	61	3.7	0.0	3.7
43	V'CHAL -RIHAND		S/C	992	0	23.0	0.0	23.0	
44	RAPP-SHUJALPUR		D/C	384	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	74	0	2.7	0.0	2.7	
46		BADOD-MORAK	S/C	62	25	0.7	0.0	0.6	
47		MEHGAON-AURAIYA	S/C	127	0	1.9	0.0	1.9	
48	132kV	MALANPUR-AURAIYA	S/C	81	0	1.0	0.0	1.0	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	59.3	118.4	-59.0
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	222	1808	0.0	20.3	-20.3	
53		WARDHA-NIZAMABAD	D/C	0	2256	0.0	34.1	-34.1	
54	400 kV	KOLHAPUR-KUDGI	D/C	761	0	10.5	0.0	10.5	
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	11.8	78.2	-66.4
TRANSNATIONAL EXCHANGE									
58		BHUTAN						6.9	
59		NEPAL						-2.8	
60		BANGLADESH						-18.4	