



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: 28th 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 27.11.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th 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 28-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42322	49282	39881	18462	2408	152355
Peak Shortage (MW)	657	0	0	490	19	1166
Energy Met (MU)	898	1163	884	347	43	3334
Hydro Gen (MU)	122	24	63	36	8	253
Wind Gen (MU)	5	32	49	-----	-----	86
Solar Gen (MU)*	15.86	18.27	73.08	0.65	0.05	108
Energy Shortage (MU)	12.1	0.0	0.0	1.5	0.4	14.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42522 18:33	55952 10:23	40441 18:30	18570 18:24	2454 17:45	155878 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	0.049	0.00	0.45	12.51	12.96	76.05	10.98

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	5550	0	124.2	29.8	0.3	165	0.0	
	Haryana	6149	93	121.5	75.3	2.1	292	1.0	
	Rajasthan	11624	0	230.9	70.3	3.3	620	0.0	
	Delhi	3302	0	62.0	45.8	-0.2	161	0.0	
	UP	12333	140	244.4	106.9	0.1	221	0.0	
	Uttarakhand	1892	0	36.4	23.2	0.7	171	0.0	
	HP	1586	9	28.2	19.2	0.5	147	0.1	
	J&K	2337	584	46.7	37.7	-0.3	300	11.0	
	Chandigarh	187	0	3.2	2.7	0.5	42	0.0	
	WR	Chhattisgarh	3546	0	75.8	8.3	-0.7	301	0.0
Gujarat		15159	0	330.8	131.1	2.7	487	0.0	
MP		13571	0	265.8	155.9	-1.8	573	0.0	
Maharashtra		21576	0	446.2	121.0	-2.2	503	0.0	
Goa		501	0	10.4	9.9	0.0	64	0.0	
DD		320	0	6.8	6.3	0.4	78	0.0	
DNH		702	0	15.9	15.3	0.6	69	0.0	
Essar steel		544	0	11.5	10.5	1.0	107	0.0	
SR		Andhra Pradesh	7764	0	167.7	60.7	-0.7	389	0.0
		Telangana	7928	0	170.0	64.6	1.1	427	0.0
	Karnataka	10024	0	201.0	66.3	-0.8	380	0.0	
	Kerala	3604	0	71.2	55.1	1.1	202	0.0	
	Tamil Nadu	12929	0	267.6	128.6	-0.7	523	0.0	
	Pondy	312	0	6.3	6.7	-0.4	31	0.0	
ER	Bihar	4012	0	69.8	66.0	1.0	460	0.0	
	DVC	2774	0	58.4	-21.3	1.0	396	1.2	
	Jharkhand	1153	102	24.8	14.1	0.2	169	0.3	
	Odisha	4730	0	87.0	34.9	4.5	267	0.0	
	West Bengal	6275	0	105.8	21.2	1.1	309	0.0	
	Sikkim	112	0	1.6	1.2	0.3	18	0.0	
NER	Arumachal Pradesh	118	2	2.2	2.1	0.0	35	0.0	
	Assam	1424	15	24.1	17.7	1.5	142	0.3	
	Manipur	175	3	2.5	2.7	-0.2	31	0.0	
	Meghalaya	347	0	6.2	4.8	-0.1	22	0.0	
	Mizoram	87	2	2.0	0.9	0.5	9	0.0	
	Nagaland	119	4	2.2	1.8	0.2	31	0.0	
	Tripura	211	0	3.6	1.4	0.7	80	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.1	-2.8	-17.3
Day peak (MW)	254.7	-138.0	-830.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	159.1	-179.9	97.6	-76.3	-0.8	-0.3
Actual(MU)	160.2	-184.2	88.1	-62.0	-0.4	1.6
O/D/U/D(MU)	1.1	-4.3	-9.5	14.3	0.4	1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5592	14525	7332	1100	81	28630
State Sector	12305	14417	7880	5865	86	40553
Total	17897	28942	15212	6965	167	69182

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	538	1228	518	395	9	2688
Hydro	122	24	63	36	8	253
Nuclear	25	19	36	0	0	80
Gas, Naptha & Diesel	33	39	25	0	29	126
RES (Wind, Solar, Biomass & Others)	38	52	157	1	0	248
Total	755	1362	800	431	46	3394

Share of RES in total generation (%)	4.97	3.81	19.68	0.16	0.11	7.29
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.44	6.95	32.05	8.47	17.18	17.09

H. Diversity Factor

All India Demand Diversity Factor	1.026
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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 : 28-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	49	445	0.0	4.8	-4.8	
2		SASARAM-FATEHPUR	S/C	72	228	0.9	0.0	0.9	
3		GAYA-BALIA	S/C	0	257	0.0	3.7	-3.7	
4		ALIPURDUAR-AGRA	-	0	450	0.0	10.6	-10.6	
5	400 kV	PUSAULI B/B	S/C	4	346	0.0	0.0	0.0	
6		PUSAULI-VARANASI	S/C	50	230	0.0	2.9	-2.9	
7		PUSAULI -ALLAHABAD	S/C	83	162	0.0	1.5	-1.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	183	229	0.2	0.0	0.2	
9		PATNA-BALIA	Q/C	0	681	0.0	13.2	-13.2	
10		BIHARSHARIFF-BALIA	D/C	8	102	0.0	1.9	-1.9	
11		MOTIHARI-GORAKHPUR	D/C	0	335	0.0	6.2	-6.2	
12		BIHARSHARIFF-VARANASI	D/C	152	61	0.9	0.0	0.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	120	0.0	2.3	-2.3	
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						2.6	47.1	-44.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1771	0	26.8	0.0	26.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	417	155	2.4	0.0	2.4	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	387	0	5.2	0.0	5.2	
21		RANCHI-SIPAT	D/C	237	0	4.5	0.0	4.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	17	61	0.0	0.5	-0.5	
23		BUDHIPADAR-KORBA	D/C	231	0	4.5	0.0	4.5	
ER-WR						43.4	0.5	42.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1440.0	0.0	21.7	-21.7	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	631.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1984.0	0.0	39.8	-39.8	
27	400 kV	TALCHER-I/C	D/C	0.0	1036.0	0.0	9.1	-9.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	76.1	-76.1	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	563	0.0	9.0	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	0	296	0.0	3.9	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	134	0.0	2.0	-2	
ER-NER						0.0	14.9	-14.9	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	743	0.0	15.8	-15.8	
NER-NR						0.0	15.8	-15.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	906	0.0	21.5	-21.5	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	788	0.0	19.4	-19.4	
36		GWALIOR-AGRA	D/C	0	856	0.0	29.0	-29.0	
37	765 kV	PHAGI-GWALIOR	D/C	0	1479	0.0	24.5	-24.5	
38		JABALPUR-ORAI	D/C	40	373	0.0	8.1	-8.1	
39		GWALIOR-ORAI	S/C	555	0	9.3	0.0	9.3	
40		SATNA-ORAI	S/C	0	1702	0.0	36.6	-36.6	
41		400 kV	ZERDA-KANKROLI	S/C	277	0	4.5	0.0	4.5
42			ZERDA -BHINMAL	S/C	137	156	0.7	0.0	0.7
43	V'CHAL -RIHAND		S/C	994	0	18.1	0.0	18.1	
44	RAPP-SHUJALPUR		D/C	148	152	0	0	0	
45	220 kV	BADOD-KOTA	S/C	53	10	1.4	0.0	1.4	
46		BADOD-MORAK	S/C	49	55	0.2	0.3	-0.1	
47		MEHGAON-AURAIYA	S/C	127	0	1.5	0.0	1.5	
48	132kV	MALANPUR-AURAIYA	S/C	83	0	0.6	0.0	0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.4	139.6	-97.2	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.4	-23.4	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	896	1500	0.0	12.2	-12.2	
53		WARDHA-NIZAMABAD	D/C	150	1895	0.0	23.7	-23.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	995	0	15.1	0.0	15.1	
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	68	1.2	0.0	1.2	
WR-SR						16.3	59.3	-42.9	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						4.1	
59		NEPAL						-2.8	
60		BANGLADESH						-17.3	