



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: 29th 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, लापालंग, 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 27.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th 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

29-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42716	48491	40620	18217	2426	152470
Peak Shortage (MW)	496	0	0	0	50	546
Energy Met (MU)	922	1147	898	351	44	3362
Hydro Gen (MU)	122	20	60	39	8	249
Wind Gen (MU)	9	37	52	-----	-----	98
Solar Gen (MU)*	19.20	18.02	71.18	0.82	0.05	109
Energy Shortage (MU)	10.8	0.0	0.0	0.0	0.3	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43820 18:15	53899 10:56	41085 18:40	18539 18:47	2488 17:36	155660 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	0.030	0.00	0.13	4.06	4.19	81.91	13.90

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	5579	0	126.2	30.3	0.2	91	0.0	
	Haryana	6258	25	122.7	72.1	0.6	151	0.5	
	Rajasthan	11688	0	231.5	71.8	1.1	464	0.0	
	Delhi	3309	0	62.5	46.1	-0.4	219	0.0	
	UP	12631	0	267.5	110.3	1.4	334	0.0	
	Uttarakhand	1897	0	36.0	23.5	0.8	87	0.0	
	HP	1585	0	28.9	20.5	0.2	120	0.1	
	J&K	2048	512	43.5	39.5	-2.5	155	10.3	
	Chandigarh	189	0	3.3	2.9	0.4	36	0.0	
	WR	Chhattisgarh	3568	0	77.3	7.5	-0.4	636	0.0
Gujarat		14803	0	326.7	128.1	1.5	369	0.0	
MP		13177	0	257.8	150.4	-4.7	378	0.0	
Maharashtra		21428	0	440.9	118.1	-0.8	389	0.0	
Goa		480	0	10.2	9.7	0.2	16	0.0	
DD		322	0	7.0	6.5	0.5	57	0.0	
DNH		700	0	16.1	15.4	0.6	140	0.0	
Essar steel		525	0	11.2	11.1	0.1	-	0.0	
SR		Andhra Pradesh	8018	0	172.2	60.3	0.5	671	0.0
		Telangana	8060	0	169.9	64.0	1.1	451	0.0
	Karnataka	10147	0	203.5	67.3	0.0	431	0.0	
	Kerala	3606	0	70.6	57.3	1.3	346	0.0	
	Tamil Nadu	13395	0	275.7	128.0	0.5	566	0.0	
	Pondy	324	0	6.6	7.0	-0.4	20	0.0	
	ER	Bihar	4036	0	69.1	69.0	-2.8	460	0.0
		DVC	2667	0	55.7	-26.3	0.2	396	0.0
		Jharkhand	1128	0	25.8	14.5	0.4	169	0.0
		Odisha	4581	0	86.4	38.9	2.8	267	0.0
West Bengal		6558	0	112.2	21.6	1.2	309	0.0	
Sikkim		100	0	1.5	1.8	-0.4	18	0.0	
NER	Arumachal Pradesh	115	2	2.2	2.2	0.1	62	0.0	
	Assam	1426	39	24.7	18.2	1.8	111	0.3	
	Manipur	170	2	2.5	2.8	-0.3	25	0.0	
	Meghalaya	350	0	6.6	5.1	0.1	262	0.0	
	Mizoram	85	4	2.0	1.2	0.2	13	0.0	
	Nagaland	116	3	2.2	1.8	0.2	41	0.0	
	Tripura	225	1	3.7	1.7	0.7	40	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.9	-2.8	-15.9
Day peak (MW)	291.3	-132.0	-822.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	163.4	-177.0	92.1	-78.6	0.1	0.0
Actual(MU)	161.8	-180.3	89.5	-70.6	0.9	1.3
O/D/U/D(MU)	-1.6	-3.2	-2.6	8.0	0.7	1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4980	14525	7082	1100	81	27768
State Sector	10975	14935	7880	5065	50	38905
Total	15955	29460	14962	6165	131	66673

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	538	1214	530	412	10	2704
Hydro	122	20	60	39	8	249
Nuclear	25	19	36	0	0	79
Gas, Naptha & Diesel	33	36	26	0	29	124
RES (Wind, Solar, Biomass & Others)	65	56	161	1	0	283
Total	782	1345	814	452	47	3440

Share of RES in total generation (%)	8.26	4.19	19.82	0.19	0.11	8.23
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.95	7.11	31.62	8.74	16.77	17.77

H. Diversity Factor

All India Demand Diversity Factor	1.027
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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 : 29-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	93	518	0.0	5.3	-5.3	
2		SASARAM-FATEHPUR	S/C	1	249	0.0	3.0	-3.0	
3		GAYA-BALIA	S/C	0	271	0.0	4.2	-4.2	
4		ALIPURDUAR-AGRA	-	0	300	0.0	7.3	-7.3	
5	HVDC	PUSAULI B/B	S/C	4	0	0.0	0.0	0.0	
6	400 kV	PUSAULI-VARANASI	S/C	77	6	0.5	0.0	0.5	
7		PUSAULI -ALLAHABAD	S/C	104	36	0.0	0.9	-0.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	185	271	0.0	0.0	0.0	
9		PATNA-BALIA	Q/C	0	759	0.0	14.6	-14.6	
10		BIHARSHARIFF-BALIA	D/C	0	110	0.0	1.4	-1.4	
11		MOTIHARI-GORAKHPUR	D/C	0	344	0.0	6.3	-6.3	
12		BIHARSHARIFF-VARANASI	D/C	186	118	0.9	0.0	0.9	
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	0.7	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						2.1	45.3	-43.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1437	0	22.3	0.0	22.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	413	288	2.7	0.0	2.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	281	9	3.3	0.0	3.3	
21		RANCHI-SIPAT	D/C	233	0	2.7	0.0	2.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	9	79	0.0	0.8	-0.8	
23		BUDHIPADAR-KORBA	D/C	227	0	4.1	0.0	4.1	
ER-WR						35.1	0.8	34.2	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1501.0	0.0	24.5	-24.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	630.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2171.0	0.0	43.9	-43.9	
27	400 kV	TALCHER-I/C	D/C	0.0	844.0	0.0	5.2	-5.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	83.0	-83.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	510	0.0	9.3	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	0	310	0.0	5.3	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	138	0.0	2.2	-2	
ER-NER						0.0	16.8	-16.8	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	15.7	-15.7	
NER-NR						0.0	15.7	-15.7	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2004	0.0	32.6	-32.6	
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1170	0.0	24.1	-24.1	
36		GWALIOR-AGRA	D/C	0	892	0.0	23.7	-23.7	
37	765 kV	PHAGI-GWALIOR	D/C	0	1579	0.0	23.0	-23.0	
38		JABALPUR-ORAI	D/C	162	419	0.0	5.8	-5.8	
39		GWALIOR-ORAI	S/C	515	0	8.1	0.0	8.1	
40		SATNA-ORAI	S/C	0	1724	0.0	38.5	-38.5	
41		400 kV	ZERDA-KANKROLI	S/C	338	3	5.4	0.0	5.4
42			ZERDA -BHINMAL	S/C	216	181	1.8	0.0	1.8
43	V'CHAL -RIHAND		S/C	985	0	20.6	0.0	20.6	
44	RAPP-SHUJALPUR		D/C	223	196	1	0	1	
45	220 kV	BADOD-KOTA	S/C	62	21	1.2	0.0	1.2	
46		BADOD-MORAK	S/C	16	28	0.2	0.3	-0.2	
47		MEHGAON-AURAIYA	S/C	133	0	1.8	0.0	1.8	
48	132kV	MALANPUR-AURAIYA	S/C	86	0	1.0	0.0	1.0	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						46.6	148.0	-101.4	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	21.8	-21.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1090	1730	0.0	15.1	-15.1	
53		WARDHA-NIZAMABAD	D/C	256	1997	0.0	23.3	-23.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	1154	0	14.5	0.0	14.5	
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	70	1.2	0.0	1.2	
WR-SR						15.7	60.2	-44.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						6.9	
59		NEPAL						-2.8	
60		BANGLADESH						-15.9	