



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: 11th Dec 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 10.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-दिसम्बर-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 10th December 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

11-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43871	48411	41429	17760	2484	153955
Peak Shortage (MW)	567	0	0	273	39	879
Energy Met (MU)	916	1125	911	343	41	3337
Hydro Gen (MU)	115	27	82	27	7	257
Wind Gen (MU)	7	22	26	-----	-----	54
Solar Gen (MU)*	12.15	17.9	54.78	0.83	0.05	86
Energy Shortage (MU)	12.7	0.0	0.0	0.8	0.7	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44509 18:27	54401 10:01	42551 07:44	17792 19:17	2466 18:15	155996 09:32

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	0.070	0.00	1.46	21.91	23.37	72.96	3.67

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	5829	0	124.7	35.3	-0.2	95	0.0	
	Haryana	6480	0	125.3	56.8	4.0	335	0.0	
	Rajasthan	11974	0	231.9	69.9	2.7	632	0.0	
	Delhi	3457	0	62.0	47.0	-0.2	227	0.0	
	UP	13044	0	257.7	98.9	-0.1	288	1.5	
	Uttarakhand	1946	0	36.1	25.7	-0.5	138	0.0	
	HP	1524	0	28.3	21.0	0.4	161	0.2	
	J&K	2277	569	46.7	41.0	0.4	171	11.0	
	Chandigarh	201	0	3.4	3.0	0.3	40	0.0	
	WR	Chhattisgarh	3574	0	75.7	13.8	-1.3	151	0.0
Gujarat		15129	0	324.4	99.6	2.8	518	0.0	
MP		13354	0	251.5	144.4	-1.5	482	0.0	
Maharashtra		21178	0	429.6	111.2	-1.4	481	0.0	
Goa		453	0	9.5	9.7	-0.6	82	0.0	
DD		316	0	6.8	6.0	0.8	53	0.0	
DNH		755	0	17.3	16.0	1.3	115	0.0	
Essar steel		582	0	10.4	11.0	-0.6	321	0.0	
SR		Andhra Pradesh	7992	0	173.5	62.2	1.9	498	0.0
		Telangana	7982	0	169.3	68.6	0.4	408	0.0
	Karnataka	10521	0	206.5	68.6	0.9	496	0.0	
	Kerala	3729	0	71.5	57.0	1.2	220	0.0	
	Tamil Nadu	13816	0	283.6	129.2	1.3	477	0.0	
	Pondy	326	0	6.5	6.9	-0.4	28	0.0	
	ER	Bihar	3994	0	71.2	68.5	-0.5	460	0.0
DVC		2909	0	63.9	-21.6	2.4	396	0.4	
Jharkhand		1065	0	23.1	15.5	0.7	169	0.5	
Odisha		3801	0	72.3	26.5	2.1	267	0.0	
West Bengal		6372	0	111.2	21.5	2.3	309	0.0	
Sikkim		100	0	1.5	1.6	-0.2	18	0.0	
NER	Arunachal Pradesh	125	2	2.2	1.7	0.5	80	0.0	
	Assam	1401	29	22.7	17.4	0.8	89	0.4	
	Manipur	172	2	2.8	2.8	0.0	29	0.0	
	Meghalaya	372	0	6.4	5.2	-0.2	-	0.3	
	Mizoram	96	3	1.6	1.0	0.4	10	0.0	
	Nagaland	138	2	2.3	1.7	0.5	30	0.0	
	Tripura	229	1	3.3	1.4	0.0	33	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.5	-4.0	-15.4
Day peak (MW)	239.6	-180.0	-813.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	149.2	-168.9	94.9	-77.3	2.5	0.4
Actual(MU)	140.2	-175.1	98.7	-68.3	3.2	-1.3
O/D/U/D(MU)	-9.0	-6.2	3.8	9.0	0.7	-1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4317	18059	7932	1370	331	32010
State Sector	11345	12058	6860	5595	50	35908
Total	15662	30117	14792	6965	381	67917

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	542	-11940	511	410	5	-10473
Lignite	19	14	52	0	0	85
Hydro	115	27	82	27	7	257
Nuclear	29	19	36	0	0	85
Gas, Naptha & Diesel	27	13151	22	0	29	13230
RES (Wind, Solar, Biomass & Others)	53	41	118	1	0	213
Total	785	1312	820	437	42	3396

Share of RES in total generation (%)	6.79	3.13	14.35	0.20	0.12	6.27
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.12	6.66	28.70	6.31	17.03	16.33

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : 11-Dec-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	0	484	0.0	6.9	-6.9
2		SASARAM-FATEHPUR	S/C	0	297	0.0	4.3	-4.3
3		GAYA-BALIA	S/C	0	304	0.0	4.1	-4.1
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	71	0	1.0	0.0	1.0
7		PUSAULI -ALLAHABAD	S/C	79	36	0.5	0.0	0.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	578	0.0	7.8	-7.8
9		PATNA-BALIA	Q/C	0	883	0.0	18.1	-18.1
10		BIHARSHARIFF-BALIA	D/C	0	230	0.0	3.6	-3.6
11		MOTIHARI-GORAKHPUR	D/C	0	375	0.0	6.8	-6.8
12		BIHARSHARIFF-VARANASI	D/C	21	231	0.0	2.8	-2.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	131	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						2.1	56.8	-54.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1031	64	14.8	0.0	14.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	36	483	0.0	3.7	-3.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	74	228	0.0	1.7	-1.7
21		RANCHI-SIPAT	D/C	96	85	0.8	0.0	0.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	82	0.0	1.1	-1.1
23		BUDHIPADAR-KORBA	D/C	176	0	3.6	0.0	3.6
ER-WR						19.3	6.5	12.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1756.0	0.0	21.4	-21.4
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	13.6	-13.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	37.0	-37.0
27	400 kV	TALCHER-I/C	D/C	58.0	829.0	0.4	0.0	0.4
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	72.0	-72.0
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	199	45	2.8	0.0	3
30		ALIPURDUAR-BONGAIGAON	D/C	281	0	4.7	0.0	5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	38	31	0.4	0.0	0
ER-NER						7.9	0.0	7.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	466	0	11.4	0.0	11.4
NER-NR						11.4	0.0	11.4
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	23.7	-23.7
34		V'CHAL B/B	D/C	0	2	0.0	0.0	0.0
35		APL -MHG	D/C	0	1172	0.0	24.7	-24.7
36		GWALIOR-AGRA	D/C	0	891	0.0	32.9	-32.9
37	765 kV	PHAGI-GWALIOR	D/C	0	1180	0.0	17.5	-17.5
38		JABALPUR-ORAI	D/C	175	308	0.4	2.9	-2.5
39		GWALIOR-ORAI	S/C	531	0	8.9	0.0	8.9
40		SATNA-ORAI	S/C	0	1662	0.0	36.7	-36.7
41	400 kV	ZERDA-KANKROLI	S/C	295	115	2.1	0.2	1.9
42		ZERDA -BHINMAL	S/C	162	309	0.4	1.8	-1.4
43		V'CHAL -RIHAND	S/C	998	0	22.2	0.0	22.2
44		RAPP-SHUJALPUR	D/C	450	0	6	0	6
45	220 kV	BADOD-KOTA	S/C	44	5	0.5	0.0	0.5
46		BADOD-MORAK	S/C	43	57	0.2	0.2	0.0
47		MEHGAON-AURAIYA	S/C	108	0	1.3	0.0	1.3
48	132kV	MALANPUR-AURAIYA	S/C	64	10	0.5	0.0	0.5
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.1	140.8	-98.7
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	992	0.0	15.0	-15.0
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	152	1904	0.1	26.5	-26.4
53		WARDHA-NIZAMABAD	D/C	0	2097	0.0	34.7	-34.7
54	400 kV	KOLHAPUR-KUDGI	D/C	975	0	11.1	0.0	11.1
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	67	1.3	0.0	1.3
WR-SR						12.5	76.1	-63.6
TRANSNATIONAL EXCHANGE								
58		BHUTAN						2.5
59		NEPAL						-4.0
60		BANGLADESH						-15.4