



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: 28<sup>th</sup> Dec 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 27.12.2018.**

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-दिसम्बर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 27<sup>th</sup> 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

28-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46675	47925	41312	17792	2410	156114
Peak Shortage (MW)	791	0	0	0	39	830
Energy Met (MU)	971	1109	952	345	42	3420
Hydro Gen (MU)	115	27	83	30	7	262
Wind Gen (MU)	7	34	22	-----	-----	63
Solar Gen (MU)*	21.79	20.80	58.17	0.79	0.04	102
Energy Shortage (MU)	12.8	0.0	0.0	0.0	0.2	13.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47104 18:30	54766 09:50	44373 08:36	18239 18:57	2431 17:40	162024 09:53

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	0.032	0.00	0.00	5.03	5.03	80.36	14.61

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	5900	0	117.8	23.7	-0.7	113	0.0	
	Haryana	6635	0	131.2	68.2	0.8	298	0.0	
	Rajasthan	12682	0	241.2	62.3	2.7	641	0.0	
	Delhi	4057	0	69.6	51.4	0.8	296	0.0	
	UP	14078	210	286.5	100.8	-0.3	327	0.6	
	Uttarakhand	2102	0	39.3	25.8	0.4	167	0.0	
	HP	1622	30	31.2	24.3	1.1	240	0.2	
	J&K	2767	692	50.7	46.4	-0.9	402	11.9	
WR	Chandigarh	229	0	3.7	3.3	0.5	64	0.0	
	Chhattisgarh	3371	0	74.9	23.0	-0.1	284	0.0	
	Gujarat	15325	0	322.0	86.4	2.1	711	0.0	
	MP	14019	0	258.7	146.3	-1.7	533	0.0	
	Maharashtra	20323	0	407.9	98.7	-1.4	453	0.0	
	Goa	462	0	10.4	9.4	0.4	52	0.0	
	DD	318	0	7.1	6.5	0.6	52	0.0	
	DNH	756	0	17.4	16.7	0.7	74	0.0	
SR	Essar steel	551	0	11.2	11.3	-0.1	287	0.0	
	Andhra Pradesh	8073	0	167.1	57.1	2.4	450	0.0	
	Telangana	8961	0	190.3	84.4	0.7	408	0.0	
	Karnataka	10961	0	213.2	71.6	-0.1	417	0.0	
	Kerala	3647	0	73.1	55.2	1.3	277	0.0	
	Tamil Nadu	14280	0	302.0	155.9	0.4	405	0.0	
	Pondy	331	0	6.8	7.3	-0.4	33	0.0	
	ER	Bihar	4087	0	72.4	69.7	-1.0	460	0.0
DVC		3103	0	66.4	-16.9	1.7	396	0.0	
Jharkhand		1224	0	24.5	17.2	0.2	169	0.0	
Odisha		3735	0	69.7	24.1	2.5	267	0.0	
West Bengal		6373	0	110.8	19.6	1.1	309	0.0	
Sikkim		100	0	1.6	1.8	-0.1	18	0.0	
NER		Arunachal Pradesh	109	2	2.0	1.8	0.2	36	0.0
		Assam	1369	32	23.3	17.5	0.8	87	0.1
	Manipur	207	4	2.8	2.9	-0.1	31	0.0	
	Meghalaya	338	0	6.4	5.7	-0.3	244	0.0	
	Mizoram	102	2	1.8	1.2	0.3	20	0.0	
	Nagaland	115	3	2.1	2.0	0.0	20	0.0	
	Tripura	222	1	3.7	1.4	0.4	45	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.8	-6.8	-14.9
Day peak (MW)	197.4	-303.0	-816.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	157.5	-188.4	101.3	-74.4	4.2	0.2
Actual(MU)	152.3	-195.1	101.1	-66.0	4.2	-3.5
O/D/U/D(MU)	-5.2	-6.6	-0.3	8.4	0.0	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4143	17076	6832	1370	306	29726
State Sector	9340	11105	7320	5855	50	33670
Total	13483	28181	14152	7225	356	63396

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	593	1154	548	416	4	2715
Lignite	21	17	55	0	0	93
Hydro	115	27	83	30	7	262
Nuclear	25	18	36	0	0	78
Gas, Naptha & Diesel	31	42	18	0	30	120
RES (Wind, Solar, Biomass & Others)	57	57	117	1	0	232
Total	841	1314	857	447	41	3500

Share of RES in total generation (%)	6.76	4.37	13.68	0.18	0.10	6.64
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	23.37	7.78	27.52	6.88	17.45	16.36

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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-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)
<b>Import/Export of ER (With NR)</b>								
1	765kV	GAYA-VARANASI	D/C	0	538	0.0	6.8	-6.8
2		SASARAM-FATEHPUR	S/C	52	240	0.0	2.5	-2.5
3		GAYA-BALIA	S/C	0	271	0.0	4.2	-4.2
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	2	148	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	134	0.0	2.7	-2.7
7		PUSAULI -ALLAHABAD	S/C	40	64	0.0	0.7	-0.7
8		MUZAFFARPUR-GORAKHPUR	D/C	6	485	0.0	6.2	-6.2
9		PATNA-BALIA	Q/C	0	833	0.0	16.8	-16.8
10		BIHARSHARIFF-BALIA	D/C	0	244	0.0	2.6	-2.6
11		MOTIHARI-GORAKHPUR	D/C	0	350	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	D/C	96	124	0.0	0.8	-0.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	139	0.0	2.5	-2.5
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
<b>ER-NR</b>						<b>0.6</b>	<b>56.0</b>	<b>-55.4</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1255	0	13.3	0.0	13.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	385	307	0.2	0.0	0.2
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	338	289	3.7	0.0	3.7
21		RANCHI-SIPAT	D/C	128	12	1.2	0.0	1.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	5	83	0.0	0.7	-0.7
23		BUDHIPADAR-KORBA	D/C	118	0	1.9	0.0	1.9
<b>ER-WR</b>						<b>20.1</b>	<b>0.7</b>	<b>19.4</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1493.0	0.0	22.6	-22.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	14.9	-14.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	45.3	-45.3
27	400 kV	TALCHER-I/C	D/C	0.0	614.0	0.0	0.8	-0.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>82.7</b>	<b>-82.7</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	159	115	1.1	0.0	1
30		ALIPURDUAR-BONGAIGAON	D/C	252	44	3.0	0.0	3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	35	36	0.1	0.0	0
<b>ER-NER</b>						<b>4.2</b>	<b>0.0</b>	<b>4.2</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	474	0	8.9	0.0	8.9
<b>NER-NR</b>						<b>8.9</b>	<b>0.0</b>	<b>8.9</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	1	700	0.0	6.8	-6.8
34		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1923	0.0	37.6	-37.6
36		GWALIOR-AGRA	D/C	0	1111	0.0	37.5	-37.5
37	765 kV	PHAGI-GWALIOR	D/C	0	1283	0.0	19.9	-19.9
38		JABALPUR-ORAI	D/C	204	277	0.0	5.0	-5.0
39		GWALIOR-ORAI	S/C	826	0	13.8	0.0	13.8
40		SATNA-ORAI	S/C	0	1517	0.0	34.7	-34.7
41		ZERDA-KANKROLI	S/C	205	173	1.3	0.0	1.3
42	400 kV	ZERDA -BHINMAL	S/C	80	361	0.0	2.2	-2.2
43		V'CHAL -RIHAND	S/C	478	0	10.8	0.0	10.8
44		RAPP-SHUJALPUR	D/C	267	38	2	0	2
45	220 kV	BADOD-KOTA	S/C	28	46	0.8	0.0	0.8
46		BADOD-MORAK	S/C	0	127	0.0	1.6	-1.6
47		MEHGAON-AURAIYA	S/C	143	0	1.6	0.0	1.6
48	132kV	MALANPUR-AURAIYA	S/C	95	17	0.7	0.0	0.7
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>36.7</b>	<b>145.2</b>	<b>-108.5</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	18.9	-18.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	165	2029	0.0	26.1	-26.1
53		WARDHA-NIZAMABAD	D/C	0	2448	0.0	36.6	-36.6
54	400 kV	KOLHAPUR-KUDGI	D/C	888	26	10.9	0.0	10.9
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	62	1.2	0.0	1.2
<b>WR-SR</b>						<b>12.2</b>	<b>81.6</b>	<b>-69.4</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>0.8</b>
59		NEPAL						<b>-6.8</b>
60		BANGLADESH						<b>-14.9</b>