



**National Load Despatch Centre**

राष्ट्रीय भार प्रेषण केंद्र

**POWER SYSTEM OPERATION CORPORATION LIMITED**

पाँवर 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: 19<sup>th</sup> Jan 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. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
General Manager, 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. महाप्रबंधक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 18.01.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-जनवरी - 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 18<sup>th</sup> January 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-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44402	46102	39620	18350	2347	150821
Peak Shortage (MW)	551	34	0	0	29	614
Energy Met (MU)	931	1079	910	353	42	3315
Hydro Gen(MU)	102	24	72	28	8	234
Wind Gen(MU)	14	12	42	-----	-----	68
Solar Gen (MU)*	2.75	17.78	46.12	0.66	0.02	67
Energy Shortage (MU)	14.9	0.0	0.3	0.0	0.3	15.4
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46728	50888	41664	18376	2371	153480

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	0.034	0.00	0.76	3.17	3.94	82.85	13.22

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	5427	0	107.2	19.9	0.1	191	0.0
	Haryana	6422	0	123.4	67.9	1.7	221	1.2
	Rajasthan	11123	0	213.9	65.4	3.5	456	1.9
	Delhi	3929	0	67.3	49.7	-0.8	240	0.0
	UP	14022	40	299.4	100.0	0.6	937	0.7
	Uttarakhand	2260	0	41.5	28.2	4.1	337	0.0
	HP	1537	0	28.1	22.4	1.6	226	0.0
	J&K	2202	551	46.6	43.9	-1.5	34	11.0
	Chandigarh	216	0	3.5	3.5	0.0	21	0.0
	Chhattisgarh	3264	0	73.5	5.5	-0.8	394	0.0
WR	Gujarat	14066	0	309.5	108.3	3.2	409	0.0
	MP	11908	0	222.4	142.6	0.0	470	0.0
	Maharashtra	21189	0	430.8	142.7	0.1	786	0.0
	Goa	482	0	9.9	9.1	0.4	72	0.0
	DD	333	0	7.5	6.8	0.7	92	0.0
	DNH	769	0	17.8	16.6	1.2	86	0.0
	Essar steel	438	0	7.7	7.8	-0.1	172	0.0
	Andhra Pradesh	8147	0	166.2	47.2	4.0	712	0.1
SR	Telangana	9106	0	178.5	75.2	-1.7	418	0.1
	Karnataka	10125	0	210.4	91.4	2.2	605	0.1
	Kerala	3513	0	66.9	53.2	0.3	264	0.0
	Tamil Nadu	13417	0	282.0	142.9	2.9	514	0.1
	Pondy	317	0	6.2	6.8	-0.6	18	0.0
	Bihar	4422	0	73.8	66.3	1.2	385	0.0
ER	DVC	2974	0	69.5	-42.5	-0.9	302	0.0
	Jharkhand	1108	0	24.9	14.5	0.8	165	0.0
	Odisha	4019	0	74.4	19.1	3.4	435	0.0
	West Bengal	6314	0	109.1	15.7	2.2	445	0.0
	Sikkim	112	0	1.8	1.5	0.3	20	0.0
NER	Arunachal Pradesh	97	4	2.1	1.8	0.3	39	0.0
	Assam	1416	5	23.8	19.0	2.3	135	0.1
	Manipur	187	5	2.7	2.8	-0.2	25	0.0
	Meghalaya	303	1	6.2	3.4	-0.2	45	0.0
	Mizoram	91	4	1.8	1.1	0.0	22	0.0
	Nagaland	110	11	1.9	1.8	0.0	38	0.1
	Tripura	220	1	3.3	2.7	0.0	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.0	-9.5	-11.9
Day peak (MW)	148.7	-380.0	-628.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.2	-207.6	109.8	-91.6	4.3	-0.8
Actual(MU)	182.5	-215.5	106.5	-79.6	5.1	-1.1
OD/UD(MU)	-1.7	-7.9	-3.4	12.0	0.8	-0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4721	11206	6652	1720	216	24515
State Sector	8890	15460	7768	3405	50	35573
Total	13611	26666	14420	5125	265	60088

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	574	1188	526	429	9	2727
Hydro	102	22	72	28	8	231
Nuclear	29	25	60	0	0	114
Gas, Naptha & Diesel	28	49	19	0	24	119
RES (Wind, Solar, Biomass & Others)	41	29	130	2	0	203
Total	774	1314	807	459	40	3394

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(परिषद्)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्रा०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 19-Jan-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	351	0.0	10.6	-10.6
2		SASARAM-FATEHPUR	S/C	0	263	0.0	1.5	-1.5
3		GAYA-BALIA	S/C	0	366	0.0	6.5	-6.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	247	0.0	5.1	-5.1
6	400 kV	PUSAULI-VARANASI	S/C	0	185	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	127	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	390	0.0	7.9	-7.9
9		PATNA-BALIA	Q/C	0	986	0.0	18.3	-18.3
10		BIHARSHARIFF-BALIA	D/C	0	344	0.0	5.4	-5.4
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	D/C	0	199	0.0	2.8	-2.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	0	0.0	0.0	0.0
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.5	0.0	0.5
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>0.5</b>	<b>64.7</b>	<b>-64.2</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	11.2	0.0	11.2
19	400 kV	NEW RANCHI-DHARAMJAIGARH	D/C	0	446	0.2	0.0	0.2
20		JHARSUGUDA-RAIGARH	Q/C	0	104	2.3	0.0	2.3
21		RANCHI-SIPAT	D/C	0	80	2.0	0.0	2.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	182	0.0	1.7	-1.7
23		BUDHIPADAR-KORBA	D/C	0	0	1.6	0.0	1.6
<b>ER-WR</b>						<b>17.4</b>	<b>1.7</b>	<b>15.7</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	19.6	-19.6
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	366.2	0.0	14.4	-14.4
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2253.1	0.0	47.5	-47.5
27	400 kV	TALCHER-I/C	D/C	0.0	187.4	5.9	1.2	4.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>81.5</b>	<b>-81.5</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	259	2.0	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	0	242	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	0.9	-1
<b>ER-NER</b>						<b>5.9</b>	<b>0.9</b>	<b>5.0</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	442	0	10.5	0.0	10.5
<b>NER-NR</b>						<b>10.5</b>	<b>0.0</b>	<b>10.5</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1636	0.0	46.6	-46.6
34		V'CHAL B/B	D/C	250	250	0.7	2.8	-2.1
35		APL -MHG	D/C	0	1814	0.0	30.5	-30.5
36	765 kV	GWALIOR-AGRA	D/C	0	2666	0.0	52.0	-52.0
37		PHAGI-GWALIOR	D/C	476	0	0.0	29.3	-29.3
38	400 kV	ZERDA-KANKROLI	S/C	348	0	3.4	0.0	3.4
39		ZERDA -BHINMAL	S/C	321	97	1.7	0.0	1.7
40		V'CHAL -RIHAND	S/C	954	0	22.1	0.0	22.1
41		RAPP-SHUJALPUR	D/C	0	1582	0	2	-2
42	220 kV	BADOD-KOTA	S/C	83	0	1.4	0.0	1.4
43		BADOD-MORAK	S/C	35	52	0.3	0.3	0.1
44		MEHGAON-AURAIYA	S/C	104	0	2.0	0.0	2.0
45		MALANPUR-AURAIYA	S/C	48	0	1.0	0.0	1.0
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>32.7</b>	<b>163.5</b>	<b>-130.8</b>
<b>Import/Export of WR (With SR)</b>								
47	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	22.0	-22.0
48		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	291	1460	0.0	20.1	-20.1
50		WARDHA-NIZAMABAD	D/C	0	2202	0.0	35.2	-35.2
51	400 kV	KOLHAPUR-KUDGI	D/C	534	35	5.2	0.0	5.2
52	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
53		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
54		XELDEM-AMBEWADI	S/C	73	0	1.5	0.0	1.5
<b>WR-SR</b>						<b>6.7</b>	<b>77.3</b>	<b>-70.6</b>
<b>TRANSNATIONAL EXCHANGE</b>								
55		BHUTAN						<b>3.0</b>
56		NEPAL						<b>-9.5</b>
57		BANGLADESH						<b>-11.9</b>