



**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: 29<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 28.01.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-जनवरी - 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 28<sup>th</sup> January 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-Jan-18

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41205	42642	36933	17799	2347	140926
Peak Shortage (MW)	529	0	0	0	36	565
Energy Met (MU)	876	1019	872	345	39	3151
Hydro Gen(MU)	92	18	47	27	8	193
Wind Gen(MU)	3	17	26	-----	-----	46
Solar Gen (MU)*	8.87	17.84	44.38	1.52	0.02	73
Energy Shortage (MU)	11.0	0.0	0.8	0.0	0.4	12.2
Maximum Demand Met during the day (MW) (from NLDC SCADA)	42702	50024	41075	18469	2332	148729

**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	0.044	0.00	0.42	10.21	10.63	77.92	11.46

**C. Power Supply Position in States**

Region/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	4955	0	93.4	21.7	-1.4	193	0.0
	Haryana	5877	0	109.3	52.4	2.5	266	0.2
	Rajasthan	10851	251	212.7	76.6	3.4	339	0.0
	Delhi	3985	0	63.2	50.5	0.5	311	0.0
	UP	13321	0	287.9	104.3	0.8	810	0.0
	Uttarakhand	2009	0	35.7	28.2	-0.1	102	0.0
	HP	1446	31	25.9	21.3	0.6	294	0.4
	J&K	2114	529	44.0	42.2	-2.0	30	10.4
WR	Chandigarh	210	0	3.4	3.2	0.2	47	0.0
	Chhattisgarh	3287	0	70.6	5.2	-2.1	26	0.0
	Gujarat	13868	0	288.4	127.6	0.7	467	0.0
	MP	11303	0	212.4	130.5	-1.0	344	0.0
	Maharashtra	20316	0	403.0	125.9	1.9	232	0.0
	Goa	450	0	9.8	8.7	0.5	64	0.0
	DD	311	0	6.9	6.2	0.8	99	0.0
	DNH	752	0	17.4	16.7	0.8	55	0.0
SR	Essar steel	456	0	10.0	10.2	-0.2	132	0.0
	Andhra Pradesh	8335	0	164.5	44.8	-1.4	363	0.2
	Telangana	8693	0	174.6	69.5	-0.9	589	0.1
	Karnataka	9673	0	200.7	93.2	-1.2	405	0.2
	Kerala	3124	0	61.4	49.0	1.3	220	0.1
	Tamil Nadu	12858	0	265.3	149.5	0.1	405	0.3
ER	Pondy	283	0	5.9	6.5	-0.5	14	0.0
	Bihar	3990	0	67.7	62.3	-2.2	250	0.0
	DVC	3082	0	68.1	-35.5	-1.9	70	0.0
	Jharkhand	1052	0	23.8	13.9	-0.3	65	0.0
	Odisha	4103	0	80.5	26.0	0.7	380	0.0
	West Bengal	5908	0	103.7	12.3	2.7	570	0.0
NER	Sikkim	98	0	1.5	1.6	0.0	4	0.0
	Arunachal Pradesh	120	4	2.0	1.9	0.1	35	0.0
	Assam	1360	15	21.8	18.3	0.9	154	0.3
	Manipur	186	2	2.7	2.8	-0.1	14	0.0
	Meghalaya	298	0	5.7	3.6	-0.1	47	0.0
	Mizoram	93	1	1.7	0.8	0.2	31	0.0
NER	Nagaland	112	2	1.8	1.8	-0.1	41	0.0
	Tripura	218	0	3.8	2.6	0.0	62	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.2	-8.6	-12.5
Day peak (MW)	141.9	-451.0	-619.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	180.2	-192.2	94.8	-85.9	2.4	-0.7
Actual(MU)	172.1	-193.1	92.7	-83.7	2.0	-10.0
O/D/U/D(MU)	-8.2	-0.9	-2.0	2.2	-0.4	-9.3

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	4561	13866	5492	1720	155	25794
State Sector	9680	17833	5280	5445	50	38288
Total	14241	31699	10772	7165	204	64082

**G. Sourcewise generation (MU)**

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	548	1128	555	427	9	2666
Hydro	92	18	47	27	8	192
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	18	42	18	0	24	101
RES (Wind, Solar, Biomass & Others)	39	35	109	2	0	185
Total	727	1246	797	456	41	3266

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

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

महाप्रबंधक (रा० भा० प्रे० के०)

<b>INTER-REGIONAL EXCHANGES</b>								Date of Reporting : <b>29-Jan-18</b>
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
								Import=(+ve) /Export =(-ve) for NET (MU)
<b>Import/Export of ER (With NR)</b>								
1	765kV	GAYA-VARANASI	D/C	0	365	0.0	10.7	-10.7
2		SASARAM-FATEHPUR	S/C	0	200	0.0	2.2	-2.2
3		GAYA-BALIA	S/C	0	312	0.0	5.5	-5.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	248	0.0	6.2	-6.2
6	400 kV	PUSAULI-VARANASI	S/C	0	180	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	142	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	390	0.0	8.8	-8.8
9		PATNA-BALIA	Q/C	0	1017	0.0	18.9	-18.9
10		BIHARSHARIFF-BALIA	D/C	0	317	0.0	6.9	-6.9
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	0	117	0.0	4.5	-4.5
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>70.2</b>	<b>-69.7</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	6.6	0.0	6.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	482	0.0	4.7	-4.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	204	1.5	0.0	1.5
21		RANCHI-SIPAT	D/C	0	81	1.8	0.0	1.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	179	0.0	2.4	-2.4
23		BUDHIPADAR-KORBA	D/C	0	0	1.4	0.0	1.4
<b>ER-WR</b>						<b>11.3</b>	<b>7.1</b>	<b>4.2</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	15.0	-15.0
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	371.6	0.0	14.7	-14.7
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2245.1	0.0	42.1	-42.1
27	400 kV	TALCHER-I/C	D/C	0.0	0.0	9.5	0.7	8.8
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>71.9</b>	<b>-71.9</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	34	3.6	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	0	56	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	0.4	0
<b>ER-NER</b>						<b>7.5</b>	<b>0.4</b>	<b>7.2</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	495	0	11.7	0.0	11.7
<b>NER-NR</b>						<b>11.7</b>	<b>0.0</b>	<b>11.7</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1449	0.0	49.5	-49.5
34		V'CHAL B/B	D/C	250	250	1.9	2.1	-0.2
35		APL -MHG	D/C	0	708	0.0	12.8	-12.8
36	765 kV	GWALIOR-AGRA	D/C	0	2734	0.0	52.0	-52.0
37		PHAGI-GWALIOR	D/C	480	1520	0.0	31.0	-31.0
38	400 kV	ZERDA-KANKROLI	S/C	167	0	2.3	0.0	2.3
39		ZERDA -BHINMAL	S/C	129	146	0.2	0.0	0.2
40		V'CHAL -RIHAND	S/C	965	0	22.0	0.0	22.0
41		RAPP-SHUJALPUR	D/C	0	1720	0	2	-2
42	220 kV	BADOD-KOTA	S/C	49	0	0.6	0.0	0.6
43		BADOD-MORAK	S/C	9	49	0.0	0.5	-0.4
44		MEHGAON-AURAIYA	S/C	91	0	1.7	0.0	1.7
45		MALANPUR-AURAIYA	S/C	42	0	0.7	0.0	0.7
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>29.4</b>	<b>149.5</b>	<b>-120.1</b>
<b>Import/Export of WR (With SR)</b>								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	21.0	-21.0
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	602	1160	0.0	14.2	-14.2
50		WARDHA-NIZAMABAD	D/C	0	2318	0.0	39.1	-39.1
51	400 kV	KOLHAPUR-KUDGI	D/C	546	57	5.8	0.1	5.7
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>7.3</b>	<b>74.3</b>	<b>-67.0</b>
<b>TRANSNATIONAL EXCHANGE</b>								
55		BHUTAN						<b>3.2</b>
56		NEPAL						<b>-8.6</b>
57		BANGLADESH						<b>-12.5</b>