



**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: 14<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 13.01.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13<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

14-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43641	45115	39275	18472	2383	148887
Peak Shortage (MW)	550	11	0	0	37	599
Energy Met (MU)	934	1073	923	361	43	3334
Hydro Gen(MU)	105	29	60	28	9	231
Wind Gen(MU)	2	24	32	-----	-----	57
Solar Gen (MU)*	2.99	12.33	40.70	0.57	0.01	57
Energy Shortage (MU)	12.9	0.0	0.8	0.0	0.5	14.2
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46402	50923	42532	18895	2371	155578

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	0.041	0.00	0.01	10.86	10.87	78.07	11.06

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	5525	0	102.5	20.6	0.1	205	0.0
	Haryana	6758	0	126.4	67.9	1.5	313	0.0
	Rajasthan	11327	0	213.0	74.7	3.4	507	0.7
	Delhi	3926	0	63.5	49.3	-1.7	214	0.0
	UP	14316	0	310.6	105.6	1.0	692	1.0
	Uttarakhand	2070	0	38.9	29.2	-0.6	143	0.0
	HP	1594	0	27.8	22.6	1.0	205	0.0
	J&K	2210	552	47.4	44.1	-0.5	80	11.2
WR	Chandigarh	218	0	3.5	3.8	-0.3	13	0.0
	Chhattisgarh	3299	0	78.1	3.8	-1.5	64	0.0
	Gujarat	14481	0	303.8	95.9	-0.3	476	0.0
	MP	12059	0	225.7	133.9	-0.9	401	0.0
	Maharashtra	20749	0	420.8	132.8	2.2	381	0.0
	Goa	469	0	10.1	8.8	0.7	61	0.0
	DD	333	0	7.5	6.7	0.7	67	0.0
	DNH	731	0	17.2	16.4	0.8	16	0.0
SR	Essar steel	468	0	9.7	9.9	-0.2	529	0.0
	Andhra Pradesh	8558	0	170.0	52.9	2.7	529	0.1
	Telangana	9135	0	183.6	74.5	3.7	748	0.1
	Karnataka	9865	0	210.0	84.3	1.5	413	0.2
	Kerala	3494	0	68.8	54.6	0.7	212	0.1
	Tamil Nadu	13757	0	284.2	150.4	4.2	544	0.3
ER	Pondy	326	0	6.7	7.3	-0.5	33	0.0
	Bihar	3973	0	74.0	71.8	-2.6	10	0.0
	DVC	3041	0	70.5	-43.8	-1.2	240	0.0
	Jharkhand	1111	0	22.8	13.5	0.4	110	0.0
	Odisha	4335	0	79.8	38.0	3.0	405	0.0
	West Bengal	6661	0	112.7	18.0	0.9	185	0.0
NER	Sikkim	105	0	1.6	1.8	-0.2	4	0.0
	Arunachal Pradesh	116	4	2.3	1.8	0.4	39	0.0
	Assam	1423	31	23.9	19.4	1.7	135	0.4
	Manipur	190	1	2.6	2.8	-0.2	25	0.0
	Meghalaya	308	1	6.4	3.6	-0.2	45	0.0
	Mizoram	97	2	1.8	1.1	0.0	22	0.0
NER	Nagaland	136	2	2.2	1.9	0.2	38	0.0
	Tripura	221	5	3.5	1.6	0.1	55	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.8	-7.8	-8.9
Day peak (MW)	167.0	-441.9	-619.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	180.9	-223.2	104.4	-73.1	4.5	-6.6
Actual(MU)	175.2	-229.9	108.4	-65.9	5.0	-7.2
O/D/U/D(MU)	-5.7	-6.6	4.0	7.2	0.5	-0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3884	13126	7622	1720	155	26506
State Sector	9590	16050	6110	5875	50	37675
Total	13474	29176	13732	7595	204	64181

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	591	1194	562	423	8	2777
Hydro	105	27	60	28	9	229
Nuclear	29	24	67	0	0	120
Gas, Naptha & Diesel	30	44	18	0	24	116
RES (Wind, Solar, Biomass & Others)	29	37	115	2	0	182
Total	784	1326	821	453	41	3425

\*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>14-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	273	0.0	5.4	-5.4
2		SASARAM-FATEHPUR	S/C	0	71	2.1	0.0	2.1
3		GAYA-BALIA	S/C	0	338	0.0	6.4	-6.4
4	HVDC	ALIPURDUAR-AGRA	-	0	89	0.0	2.5	-2.5
5		PUSAULI B/B	S/C	0	247	0.0	6.1	-6.1
6	400 kV	PUSAULI-VARANASI	S/C	0	214	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	97	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	390	0.0	2.3	-2.3
9		PATNA-BALIA	Q/C	0	862	0.0	12.1	-12.1
10		BIHARSHARIFF-BALIA	D/C	0	250	0.0	2.5	-2.5
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	7.0	-7.0
12		BIHARSHARIFF-VARANASI	D/C	0	376	1.3	0.0	1.3
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>3.9</b>	<b>44.3</b>	<b>-40.4</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	3.9	0.0	3.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	230	2.7	0.0	2.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	0	14.0	0.0	14.0
21		RANCHI-SIPAT	D/C	0	0	4.1	0.0	4.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	213	0.0	2.0	-2.0
23		BUDHIPADAR-KORBA	D/C	0	0	2.1	0.0	2.1
<b>ER-WR</b>						<b>26.8</b>	<b>2.0</b>	<b>24.8</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	18.0	-18.0
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	383.9	0.0	15.4	-15.4
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2279.0	0.0	48.5	-48.5
27	400 kV	TALCHER-I/C	D/C	0.0	1124.7	0.0	13.1	-13.1
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>81.8</b>	<b>-81.8</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1219	0.0	6.5	-6
30		ALIPURDUAR-BONGAIGAON	D/C	0	1002	0.0	4.5	-4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.7	-2
<b>ER-NER</b>						<b>0.0</b>	<b>12.7</b>	<b>-12.7</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	8.1	-8.1
<b>NER-NR</b>						<b>0.0</b>	<b>8.1</b>	<b>-8.1</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1433	0.0	48.8	-48.8
34		V'CHAL B/B	D/C	50	250	0.2	4.5	-4.2
35		APL -MHG	D/C	0	1412	0.0	32.9	-32.9
36	765 kV	GWALIOR-AGRA	D/C	0	2672	0.0	49.9	-49.9
37		PHAGI-GWALIOR	D/C	486	0	0.0	21.6	-21.6
38	400 kV	ZERDA-KANKROLI	S/C	154	38	1.7	0.0	1.7
39		ZERDA -BHINMAL	S/C	84	218	0.0	1.0	-1.0
40		V'CHAL -RIHAND	S/C	478	0	22.5	0.0	22.5
41		RAPP-SHUJALPUR	D/C	0	1544	0	2	-2
42	220 kV	BADOD-KOTA	S/C	102	0	1.4	0.0	1.4
43		BADOD-MORAK	S/C	52	16	0.4	0.1	0.3
44		MEHGAON-AURAIYA	S/C	94	0	1.8	0.0	1.8
45		MALANPUR-AURAIYA	S/C	50	0	0.8	0.0	0.8
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>28.8</b>	<b>160.9</b>	<b>-132.1</b>
<b>Import/Export of WR (With SR)</b>								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	20.0	-20.0
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	0	1419	0.0	16.0	-16.0
50		WARDHA-NIZAMABAD	D/C	0	2536	0.0	40.9	-40.9
51	400 kV	KOLHAPUR-KUDGI	D/C	494	116	4.5	0.4	4.2
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>6.1</b>	<b>77.3</b>	<b>-71.2</b>
<b>TRANSNATIONAL EXCHANGE</b>								
55		BHUTAN						<b>2.8</b>
56		NEPAL						<b>-7.8</b>
57		BANGLADESH						<b>-8.9</b>