



**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: 21<sup>st</sup> Feb 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 20.02.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-Feb - 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 20<sup>th</sup> Feb 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

21-Feb-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41145	47160	42958	18896	2389	152549
Peak Shortage (MW)	521	95	0	133	38	786
Energy Met (MU)	901	1054	987	367	41	3350
Hydro Gen(MU)	100	38	62	25	7	232
Wind Gen(MU)	4	20	46	-----	-----	70
Solar Gen (MU)*	9.26	18.03	49.50	1.35	0.02	78
Energy Shortage (MU)	13.5	0.0	1.5	0.4	0.3	15.6
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45558	47471	44174	18953	2380	152844

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	0.047	0.00	0.07	14.05	14.12	78.80	7.08

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	5332	0	112.7	34.5	0.0	211	0.0
	Haryana	6568	0	121.3	74.4	1.8	181	0.6
	Rajasthan	10254	1322	206.7	65.0	2.5	354	3.6
	Delhi	3533	0	61.7	49.3	-1.0	179	0.0
	UP	14579	300	288.2	102.8	2.0	594	0.0
	Uttarakhand	1957	0	37.3	27.6	0.1	123	0.0
	HP	1490	0	25.4	21.6	0.1	124	0.0
	J&K	2225	433	44.9	40.8	-0.1	244	9.2
WR	Chandigarh	195	0	3.2	3.1	0.0	34	0.0
	Chhattisgarh	3393	0	74.3	13.1	2.0	189	0.0
	Gujarat	14008	0	308.5	120.2	6.7	532	0.0
	MP	9742	0	187.2	102.4	-2.2	242	0.0
	Maharashtra	21042	0	438.2	123.7	2.8	507	0.0
	Goa	427	0	9.2	8.9	-0.1	51	0.0
	DD	329	0	7.4	7.0	0.4	73	0.0
	DNH	757	0	17.6	16.6	1.0	75	0.0
SR	Essar steel	577	0	11.9	11.1	0.8	176	0.0
	Andhra Pradesh	8625	0	176.3	49.1	0.7	527	0.3
	Telangana	9846	0	201.6	93.0	-0.1	356	0.3
	Karnataka	9739	0	217.1	88.8	-1.5	265	0.3
	Kerala	3615	0	71.4	51.0	1.5	268	0.1
	Tamil Nadu	14029	0	313.4	162.5	2.4	530	0.5
ER	Pondy	347	0	7.0	7.4	-0.3	48	0.0
	Bihar	4049	0	67.0	60.8	-2.0	435	0.0
	DVC	3148	0	69.4	-46.6	-0.9	405	0.0
	Jharkhand	1044	0	22.3	15.7	0.4	135	0.4
	Odisha	4124	0	80.1	37.4	3.5	356	0.0
	West Bengal	6930	0	126.9	23.5	2.6	398	0.0
NER	Sikkim	108	0	1.7	1.5	0.2	20	0.0
	Arunachal Pradesh	106	0	2.3	1.8	0.5	79	0.0
	Assam	1407	17	23.0	18.7	1.1	100	0.2
	Manipur	188	3	2.5	2.6	-0.2	12	0.0
	Meghalaya	310	0	5.4	3.3	-0.1	52	0.0
	Mizoram	85	2	1.8	0.7	0.2	28	0.0
NER	Nagaland	116	7	2.0	1.9	0.0	66	0.0
	Tripura	231	1	3.8	2.1	0.0	45	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-9.9	-12.8
Day peak (MW)	107.8	-460.9	-629.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	188.3	-195.3	101.2	-96.6	3.7	1.3
Actual(MU)	190.6	-188.5	87.9	-89.6	3.7	4.0
O/D/U/D(MU)	2.3	6.8	-13.2	6.9	0.0	2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4997	15301	4752	870	293	26213
State Sector	11500	19245	4340	4555	50	39690
Total	16497	34546	9092	5425	343	65903

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	546	1120	635	455	10	2766
Hydro	100	37	62	25	7	231
Nuclear	29	12	46	0	0	87
Gas, Naptha & Diesel	21	49	19	0	23	113
RES (Wind, Solar, Biomass & Others)	40	38	142	3	0	222
Total	735	1256	905	482	40	3419

\*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(ग्रिड)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	21-Feb-18
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	408	0.0	10.7	-10.7	
2		SASARAM-FATEHPUR	S/C	0	241	0.0	1.2	-1.2	
3		GAYA-BALIA	S/C	0	321	0.0	5.2	-5.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	2.6	-2.6	
5		PUSAULI B/B	S/C	0	196	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	152	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	138	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	484	0.0	5.8	-5.8	
9		PATNA-BALIA	Q/C	0	1059	0.0	19.4	-19.4	
10		BIHARSHARIFF-BALIA	D/C	0	299	0.0	4.2	-4.2	
11		MOTIHARI-GORAKHPUR	D/C	0	377	0.0	6.7	-6.7	
12		BIHARSHARIFF-VARANASI	D/C	0	357	0.0	2.4	-2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	169	0.0	3.3	-3.3	
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>66.3</b>	<b>-65.8</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	8.8	0.0	8.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	386	0.0	3.5	-3.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	179	0.6	0.0	0.6	
21		RANCHI-SIPAT	D/C	0	72	0.8	0.0	0.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	79	0.0	0.7	-0.7	
23		BUDHIPADAR-KORBA	D/C	0	0	2.5	0.0	2.5	
<b>ER-WR</b>						<b>12.7</b>	<b>4.2</b>	<b>8.5</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	17.1	-17.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	13.6	-13.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1899.6	0.0	46.0	-46.0	
27	400 kV	TALCHER-I/C	D/C	0.0	993.2	1.9	3.5	-1.6	
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>76.7</b>	<b>-76.7</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1260	0.0	1.8	-2	
30		ALIPURDUAR-BONGAIGAON	D/C	0	1038	3.9		4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.3	-1	
<b>ER-NER</b>						<b>3.9</b>	<b>3.1</b>	<b>0.8</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	689	495	3.3	1.1	2.1	
<b>NER-NR</b>						<b>3.3</b>	<b>1.1</b>	<b>2.1</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1466	0.0	58.8	-58.8	
34		V'CHAL B/B	D/C	250	0	3.8	0.0	3.8	
35		APL -MHG	D/C	0	608	0.0	15.0	-15.0	
36	765 kV	GWALIOR-AGRA	D/C	0	2790	0.0	54.1	-54.1	
37		PHAGI-GWALIOR	D/C	478	1564	0.0	28.9	-28.9	
38	400 kV	ZERDA-KANKROLI	S/C	208	0	3.4	0.0	3.4	
39		ZERDA -BHINMAL	S/C	158	134	1.2	0.0	1.2	
40		V'CHAL -RIHAND	S/C	959	0	22.2	0.0	22.2	
41		RAPP-SHUJALPUR	D/C	0	431	0	3	-3	
42	220 kV	BADOD-KOTA	S/C	93	0	1.0	0.0	1.0	
43		BADOD-MORAK	S/C	63	30	0.4	0.1	0.3	
44		MEHGAON-AURAIYA	S/C	80	0	1.5	0.0	1.5	
45		MALANPUR-AURAIYA	S/C	38	0	0.6	0.0	0.6	
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>34.1</b>	<b>160.1</b>	<b>-126.0</b>	
<b>Import/Export of WR (With SR)</b>									
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9	
48	LINK	176.42	-	0	0	0.0	0.0	0.0	
49	765 kV	SOLAPUR-RAICHUR	D/C	861	841	0.0	9.9	-9.9	
50		WARDHA-NIZAMABAD	D/C	0	1789	0.0	33.2	-33.2	
51	400 kV	KOLHAPUR-KUDGI	D/C	639	0	7.8	0.0	7.8	
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	109	0	2.2	0.0	2.2	
<b>WR-SR</b>						<b>10.0</b>	<b>67.1</b>	<b>-57.1</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
55		BHUTAN						2.0	
56		NEPAL						-9.9	
57		BANGLADESH						-12.8	