



**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: 23<sup>rd</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 22.01.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22<sup>nd</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

23-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43349	45175	40146	18164	2360	149194
Peak Shortage (MW)	515	11	0	0	45	571
Energy Met (MU)	920	1064	901	355	41	3282
Hydro Gen(MU)	101	25	78	25	8	237
Wind Gen(MU)	9	23	25	-----	-----	57
Solar Gen (MU)*	0.74	16.58	46.46	0.77	0.02	65
Energy Shortage (MU)	15.7	0.0	1.1	0.0	0.3	17.1
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46006	51368	41365	18416	2450	152268

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	0.043	0.00	0.28	10.75	11.03	80.23	8.74

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	5422	0	111.4	20.9	-0.5	105	0.0
	Haryana	6535	0	123.1	68.0	2.0	254	0.4
	Rajasthan	10139	0	207.1	69.2	2.7	387	4.7
	Delhi	3857	0	65.0	47.8	-1.0	187	0.0
	UP	14501	220	300.1	105.1	2.2	774	0.0
	Uttarakhand	2117	0	38.3	29.1	-0.2	150	0.0
	HP	1503	0	27.2	22.1	1.0	197	0.1
	J&K	2114	528	44.4	41.8	-1.2	63	10.5
WR	Chandigarh	217	0	3.4	3.5	0.0	18	0.0
	Chhattisgarh	3357	0	73.5	8.4	-0.7	148	0.0
	Gujarat	14424	0	303.0	109.4	1.0	451	0.0
	MP	11737	0	220.9	122.6	-1.0	546	0.0
	Maharashtra	20679	0	422.3	136.4	1.2	388	0.0
	Goa	460	0	9.3	8.6	0.0	37	0.0
	DD	330	0	7.2	6.3	0.9	65	0.0
	DNH	764	0	17.7	16.9	0.9	77	0.0
SR	Essar steel	475	0	10.5	9.8	0.6	185	0.0
	Andhra Pradesh	8270	0	163.9	43.7	0.2	391	0.2
	Telangana	9008	0	177.4	77.0	0.3	337	0.2
	Karnataka	9763	0	205.8	90.5	-1.2	340	0.2
	Kerala	3501	0	66.3	52.6	1.1	200	0.1
	Tamil Nadu	13453	0	281.1	137.6	2.9	555	0.4
	Pondy	285	0	6.4	6.7	-0.4	28	0.0
	Bihar	4339	0	79.6	73.3	-0.2	500	0.0
ER	DVC	3173	0	70.4	-38.3	-2.3	350	0.0
	Jharkhand	1209	0	24.6	15.0	-0.1	100	0.0
	Odisha	4191	0	74.6	19.9	1.2	350	0.0
	West Bengal	6159	0	105.0	16.4	1.5	400	0.0
	Sikkim	85	0	1.2	1.8	-0.6	0	0.0
NER	Arunachal Pradesh	112	4	2.0	1.9	0.0	56	0.0
	Assam	1379	16	22.8	19.2	0.6	122	0.2
	Manipur	182	2	2.7	2.8	-0.1	14	0.0
	Meghalaya	317	16	6.2	3.8	-0.1	71	0.0
	Mizoram	91	4	1.8	1.0	0.0	5	0.0
	Nagaland	113	5	1.9	1.8	0.0	63	0.0
	Tripura	221	6	3.7	2.8	0.7	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.0	-10.3	-12.0
Day peak (MW)	154.9	-527.0	-635.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	182.2	-224.4	126.5	-88.1	3.3	-0.4
Actual(MU)	170.9	-225.0	127.9	-83.6	3.5	-6.3
O/D/U/D(MU)	-11.3	-0.6	1.3	4.5	0.2	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4221	12685	7692	1220	315	26133
State Sector	8945	16565	7474	5295	47	38326
Total	13166	29250	15166	6515	361	64459

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	577	1187	511	438	10	2724
Hydro	101	23	78	25	8	235
Nuclear	29	24	60	0	0	113
Gas, Naptha & Diesel	26	47	19	0	23	115
RES (Wind, Solar, Biomass & Others)	33	40	118	2	0	192
Total	766	1321	786	465	41	3379

\*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 : 23-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	329	0.0	8.8	-8.8
2		SASARAM-FATEHPUR	S/C	0	194	0.0	0.7	-0.7
3		GAYA-BALIA	S/C	0	316	0.0	5.2	-5.2
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	247	0.0	6.1	-6.1
6	400 kV	PUSAULI-VARANASI	S/C	0	187	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	123	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	390	0.0	5.9	-5.9
9		PATNA-BALIA	Q/C	0	1024	0.0	17.5	-17.5
10		BIHARSHARIFF-BALIA	D/C	0	275	0.0	4.0	-4.0
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	6.1	-6.1
12	220 kV	BIHARSHARIFF-VARANASI	D/C	0	158	0.0	1.5	-1.5
13		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>55.8</b>	<b>-55.3</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		NEW RANCHI-DHARAMJAIGARH	D/C	0	457	0.0	2.8	-2.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	97	1.1	0.0	1.1
21		RANCHI-SIPAT	D/C	0	65	1.5	0.0	1.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	226	0.0	2.8	-2.8
23		BUDHIPADAR-KORBA	D/C	0	15	0.9	0.0	0.9
<b>ER-WR</b>						<b>14.7</b>	<b>5.6</b>	<b>9.1</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	22.0	-22.0
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	14.0	-14.0
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2256.5	0.0	47.9	-47.9
27	400 kV	TALCHER-I/C	D/C	0.0	6.4	5.4	1.0	4.4
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>83.9</b>	<b>-83.9</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	95	0.0	0.0	0
30		ALIPURDUAR-BONGAIGAON	D/C	0	117	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	0.5	-1
<b>ER-NER</b>						<b>3.9</b>	<b>0.6</b>	<b>3.3</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	468	0	11.4	0.0	11.4
<b>NER-NR</b>						<b>11.4</b>	<b>0.0</b>	<b>11.4</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1341	0.0	57.2	-57.2
34		V'CHAL B/B	D/C	50	250	0.1	4.2	-4.1
35		APL -MHG	D/C	0	1034	0.0	19.7	-19.7
36	765 kV	GWALIOR-AGRA	D/C	0	2758	0.0	50.2	-50.2
37		PHAGI-GWALIOR	D/C	485	1372	0.0	27.0	-27.0
38	400 kV	ZERDA-KANKROLI	S/C	173	0	2.1	0.0	2.1
39		ZERDA -BHINMAL	S/C	107	159	0.0	0.0	0.0
40		V'CHAL -RIHAND	S/C	967	0	22.0	0.0	22.0
41		RAPP-SHUJALPUR	D/C	0	1517	0	4	-4
42	220 kV	BADOD-KOTA	S/C	75	0	1.1	0.0	1.1
43		BADOD-MORAK	S/C	33	32	0.2	0.1	0.0
44		MEHGAON-AURAIYA	S/C	108	0	2.1	0.0	2.1
45		MALANPUR-AURAIYA	S/C	55	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>28.6</b>	<b>162.6</b>	<b>-133.9</b>
<b>Import/Export of WR (With SR)</b>								
47	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	23.8	-23.8
48		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	0	1499	0.0	20.2	-20.2
50		WARDHA-NIZAMABAD	D/C	0	2378	0.0	45.2	-45.2
51	400 kV	KOLHAPUR-KUDGI	D/C	396	83	2.7	0.4	2.3
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>4.2</b>	<b>89.6</b>	<b>-85.4</b>
<b>TRANSNATIONAL EXCHANGE</b>								
55		BHUTAN						<b>3.0</b>
56		NEPAL						<b>-10.3</b>
57		BANGLADESH						<b>-12.0</b>