



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: 21st 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 20.01.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-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 20th 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

21-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43404	46593	39299	18793	2410	150499
Peak Shortage (MW)	510	22	0	0	38	571
Energy Met (MU)	931	1072	909	354	41	3307
Hydro Gen(MU)	103	21	81	24	8	237
Wind Gen(MU)	3	30	24	-----	-----	58
Solar Gen (MU)*	3.29	17.87	45.75	0.70	0.02	68
Energy Shortage (MU)	11.4	0.0	0.4	0.0	0.4	12.1
Maximum Demand Met during the day (MW) (from NLDC SCADA)	47614	51010	42060	18873	2306	154079

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	0.027	0.00	0.00	3.30	3.30	85.32	11.38

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	5566	0	109.4	21.5	0.2	131	0.0
	Haryana	6759	100	126.5	69.8	1.6	176	0.0
	Rajasthan	11391	0	212.7	75.7	5.5	492	0.4
	Delhi	3771	0	64.3	46.7	-0.7	211	0.0
	UP	14704	0	301.5	103.1	1.5	861	0.1
	Uttarakhand	2131	0	39.5	29.1	0.4	189	0.0
	HP	1531	0	27.9	22.9	0.9	147	0.0
	J&K	2186	547	46.1	43.6	-1.4	138	10.9
WR	Chandigarh	209	0	3.4	3.4	-0.1	14	0.0
	Chhattisgarh	3384	0	75.0	5.9	-1.0	279	0.0
	Gujarat	14506	0	307.3	96.9	2.8	361	0.0
	MP	11945	0	223.7	134.8	-1.1	497	0.0
	Maharashtra	20650	0	421.6	140.5	2.6	435	0.0
	Goa	477	0	9.7	9.4	-0.2	10	0.0
	DD	333	0	7.4	7.0	0.4	82	0.0
	DNH	762	0	17.7	16.9	0.7	77	0.0
SR	Essar steel	477	0	9.3	9.7	-0.4	192	0.0
	Andhra Pradesh	8234	0	166.3	43.8	3.7	517	0.1
	Telangana	9085	0	179.2	72.4	0.1	413	0.1
	Karnataka	10084	0	210.6	90.3	2.6	338	0.1
	Kerala	3352	0	65.1	50.8	0.5	382	0.0
	Tamil Nadu	13807	0	281.4	135.6	7.9	603	0.1
ER	Pondy	328	0	6.5	7.1	-0.5	36	0.0
	Bihar	4264	0	75.4	70.2	0.8	180	0.0
	DVC	3152	0	71.3	-38.7	-1.7	185	0.0
	Jharkhand	1132	0	22.5	14.7	-1.6	70	0.0
	Odisha	4294	0	79.3	23.7	2.4	375	0.0
	West Bengal	6241	0	104.3	17.4	1.7	215	0.0
NER	Sikkim	107	0	1.6	1.8	-0.2	2	0.0
	Arunachal Pradesh	120	4	2.2	1.9	0.3	39	0.0
	Assam	1420	15	23.8	20.0	1.0	135	0.2
	Manipur	186	0	2.6	2.9	-0.3	25	0.0
	Meghalaya	327	0	5.4	3.4	0.2	45	0.0
	Mizoram	91	3	1.4	0.8	-0.1	22	0.0
NER	Nagaland	113	6	1.7	1.8	-0.2	38	0.0
	Tripura	221	0	3.6	2.0	0.1	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.3	-8.7	-9.2
Day peak (MW)	144.0	-509.9	-626.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	192.7	-227.0	118.8	-89.1	4.3	-0.3
Actual(MU)	189.1	-239.2	120.6	-82.4	4.5	-7.3
O/D/U/D(MU)	-3.6	-12.1	1.9	6.7	0.2	-7.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4431	10706	8412	1220	180	24949
State Sector	9185	15540	6374	3965	50	35114
Total	13616	26246	14786	5185	229	60063

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	584	1202	521	431	7	2745
Hydro	103	19	81	24	8	235
Nuclear	29	24	60	0	0	112
Gas, Naptha & Diesel	24	49	18	0	24	115
RES (Wind, Solar, Biomass & Others)	30	48	111	3	0	192
Total	770	1342	790	458	39	3400

*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)

INTER-REGIONAL EXCHANGES								Date of Reporting : 21-Jan-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)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	304	0.0	9.3	-9.3
2		SASARAM-FATEHPUR	S/C	0	174	0.6	0.0	0.6
3		GAYA-BALIA	S/C	0	407	0.0	6.4	-6.4
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	248	0.0	6.1	-6.1
6	400 kV	PUSAULI-VARANASI	S/C	0	209	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	106	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	390	0.0	4.1	-4.1
9		PATNA-BALIA	Q/C	0	1059	0.0	17.2	-17.2
10		BIHARSHARIFF-BALIA	D/C	0	269	0.0	4.2	-4.2
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	6.5	-6.5
12		BIHARSHARIFF-VARANASI	D/C	0	443	0.0	0.2	-0.2
13		220 kV	PUSAULI-SAHUPURI	S/C	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
ER-NR						1.1	53.9	-52.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	8.7	0.0	8.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	404	0.8	0.0	0.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	117	2.6	0.0	2.6
21		RANCHI-SIPAT	D/C	0	39	2.4	0.0	2.4
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	116	0.0	0.9	-0.9
23		BUDHIPADAR-KORBA	D/C	0	0	2.1	0.0	2.1
ER-WR						16.7	0.9	15.8
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	23.1	-23.1
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	317.1	0.0	5.0	-5.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2278.9	0.0	51.9	-51.9
27	400 kV	TALCHER-I/C	D/C	0.0	1280.7	0.0	11.2	-11.2
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	80.0	-80.0
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1286	0.0	5.0	-5
30		ALIPURDUAR-BONGAIGAON	D/C	0	1028	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.9	-2
ER-NER						3.9	6.9	-3.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	438	701	0.0	4.0	-4.0
NER-NR						0.0	4.0	-4.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1396	0.0	48.7	-48.7
34		V'CHAL B/B	D/C	200	250	0.6	3.7	-3.1
35		APL -MHG	D/C	0	1211	0.0	31.5	-31.5
36	765 kV	GWALIOR-AGRA	D/C	0	2642	0.0	51.9	-51.9
37		PHAGI-GWALIOR	D/C	479	1462	0.0	27.2	-27.2
38	400 kV	ZERDA-KANKROLI	S/C	161	139	1.5	0.0	1.5
39		ZERDA -BHINMAL	S/C	86	305	0.0	1.3	-1.3
40		V'CHAL -RIHAND	S/C	962	0	21.9	0.0	21.9
41		RAPP-SHUJALPUR	D/C	0	1653	0	2	-2
42	220 kV	BADOD-KOTA	S/C	99	0	1.3	0.0	1.3
43		BADOD-MORAK	S/C	40	34	0.3	0.2	0.1
44		MEHGAON-AURAIYA	S/C	121	0	2.2	0.0	2.2
45		MALANPUR-AURAIYA	S/C	60	0	1.0	0.0	1.0
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						28.8	166.8	-138.0
Import/Export of WR (With SR)								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.8	-23.8
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	0	1471	0.0	25.1	-25.1
50		WARDHA-NIZAMABAD	D/C	0	2331	0.0	40.8	-40.8
51	400 kV	KOLHAPUR-KUDGI	D/C	395	67	0.1	3.8	-3.7
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
WR-SR						1.6	93.4	-91.8
TRANSNATIONAL EXCHANGE								
55		BHUTAN						2.3
56		NEPAL						-8.7
57		BANGLADESH						-9.2