



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: 20th 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 19.01.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19th 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

20-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44159	45756	39953	18317	2347	150532
Peak Shortage (MW)	647	44	0	0	60	751
Energy Met (MU)	937	1069	904	356	41	3307
Hydro Gen(MU)	101	30	72	27	8	239
Wind Gen(MU)	7	17	36	-----	-----	60
Solar Gen (MU)*	7.45	18.21	47.48	0.71	0.02	74
Energy Shortage (MU)	15.5	0.0	0.5	0.0	0.4	16.4
Maximum Demand Met during the day (MW) (from NLDC SCADA)	47484	51118	42173	18546	2300	155390

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	0.035	0.00	0.27	6.57	6.84	82.03	11.13

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	5590	0	113.1	21.2	-0.2	121	0.0
	Haryana	6651	0	124.7	69.2	2.5	227	0.5
	Rajasthan	10796	352	214.5	72.8	4.9	354	2.8
	Delhi	3959	0	66.8	50.8	-2.2	380	0.0
	UP	14307	0	302.8	99.2	2.1	891	1.0
	Uttarakhand	2053	0	37.4	28.5	0.0	100	0.0
	HP	1501	26	27.8	22.2	1.7	194	0.2
	J&K	2197	549	46.6	41.4	1.2	319	11.0
WR	Chandigarh	221	0	3.5	3.5	0.0	25	0.0
	Chhattisgarh	3374	0	72.9	4.7	-1.2	279	0.0
	Gujarat	14175	0	307.5	115.0	-1.0	361	0.0
	MP	11990	0	223.8	134.5	0.7	497	0.0
	Maharashtra	20732	0	421.8	138.2	1.4	435	0.0
	Goa	467	0	9.5	9.5	-0.5	10	0.0
	DD	326	0	7.4	6.8	0.5	82	0.0
	DNH	738	0	17.3	16.7	0.6	77	0.0
SR	Essar steel	455	0	8.8	8.5	0.2	192	0.0
	Andhra Pradesh	8384	0	166.5	49.6	2.7	660	0.1
	Telangana	9144	0	181.6	76.2	-0.8	367	0.1
	Karnataka	10123	0	209.4	92.7	0.5	322	0.1
	Kerala	3424	0	66.0	53.5	0.9	167	0.0
	Tamil Nadu	13574	0	274.1	139.7	4.1	561	0.2
ER	Pondy	330	0	6.5	6.9	-0.4	26	0.0
	Bihar	4321	0	74.6	68.9	0.9	412	0.0
	DVC	3071	0	70.5	-41.3	-0.6	356	0.0
	Jharkhand	1180	0	25.2	14.6	1.2	135	0.0
	Odisha	4166	0	75.4	20.7	2.7	385	0.0
	West Bengal	6256	0	108.4	17.7	2.2	405	0.0
NER	Sikkim	109	0	1.9	1.6	0.3	20	0.0
	Arunachal Pradesh	121	4	2.2	1.8	0.4	39	0.0
	Assam	1412	23	23.5	19.4	1.5	135	0.2
	Manipur	178	4	2.7	2.8	-0.2	25	0.0
	Meghalaya	273	0	5.5	3.4	-0.1	45	0.0
	Mizoram	90	5	1.7	0.9	0.0	22	0.0
NER	Nagaland	117	9	1.8	1.7	0.0	38	0.1
	Tripura	221	0	3.4	2.0	0.1	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.8	-9.9	-8.8
Day peak (MW)	137.0	-465.1	-613.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	186.0	-217.4	116.6	-91.3	4.1	-2.0
Actual(MU)	190.1	-231.9	116.2	-81.1	5.2	-1.5
O/D/U/D(MU)	4.1	-14.5	-0.4	10.2	1.1	0.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4221	11206	7912	1220	180	24739
State Sector	8650	15610	7518	3965	50	35793
Total	12871	26816	15430	5185	229	60532

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	587	1194	518	429	7	2736
Hydro	101	28	72	27	8	237
Nuclear	29	24	60	0	0	112
Gas, Naptha & Diesel	24	49	19	0	23	115
RES (Wind, Solar, Biomass & Others)	39	35	125	2	0	200
Total	780	1330	794	457	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 : 20-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	396	0.0	10.6	-10.6
2		SASARAM-FATEHPUR	S/C	0	185	0.0	0.3	-0.3
3		GAYA-BALIA	S/C	0	376	0.0	6.5	-6.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	248	0.0	5.7	-5.7
6	400 kV	PUSAULI-VARANASI	S/C	0	192	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	119	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	390	0.0	7.8	-7.8
9		PATNA-BALIA	Q/C	0	1195	0.0	18.4	-18.4
10		BIHARSHARIFF-BALIA	D/C	0	380	0.0	5.0	-5.0
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	D/C	0	177	0.0	2.4	-2.4
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
ER-NR						0.5	63.2	-62.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	10.7	0.0	10.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	536	0.0	0.8	-0.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	80	2.4	0.0	2.4
21		RANCHI-SIPAT	D/C	0	106	1.9	0.0	1.9
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	116	0.0	1.0	-1.0
23		BUDHIPADAR-KORBA	D/C	0	0	2.0	0.0	2.0
ER-WR						17.0	1.8	15.2
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	19.8	-19.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	317.1	0.0	14.9	-14.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2250.4	0.0	48.6	-48.6
27	400 kV	TALCHER-I/C	D/C	0.0	173.1	5.9	1.3	4.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	83.3	-83.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	257	2.0	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	0	242	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	0.9	-1
ER-NER						5.9	0.9	4.9
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	440	0	10.3	0.0	10.3
NER-NR						10.3	0.0	10.3
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1144	0.0	47.7	-47.7
34		V'CHAL B/B	D/C	0	250	0.0	3.5	-3.5
35		APL -MHG	D/C	0	1512	0.0	36.6	-36.6
36	765 kV	GWALIOR-AGRA	D/C	0	2752	0.0	49.9	-49.9
37		PHAGI-GWALIOR	D/C	485	1432	0.0	29.5	-29.5
38	400 kV	ZERDA-KANKROLI	S/C	253	23	2.9	0.0	2.9
39		ZERDA -BHINMAL	S/C	196	167	0.7	0.0	0.7
40		V'CHAL -RIHAND	S/C	968	0	22.0	0.0	22.0
41		RAPP-SHUJALPUR	D/C	0	1574	0	2	-2
42	220 kV	BADOD-KOTA	S/C	100	0	1.5	0.0	1.5
43		BADOD-MORAK	S/C	40	30	0.4	0.1	0.3
44		MEHGAON-AURAIYA	S/C	105	0	2.0	0.0	2.0
45		MALANPUR-AURAIYA	S/C	61	0	1.1	0.0	1.1
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						30.6	169.6	-139.0
Import/Export of WR (With SR)								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	22.6	-22.6
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	0	1315	0.0	23.1	-23.1
50		WARDHA-NIZAMABAD	D/C	0	2033	0.0	38.9	-38.9
51	400 kV	KOLHAPUR-KUDGI	D/C	371	68	3.8	0.1	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						5.3	84.7	-79.4
TRANSNATIONAL EXCHANGE								
55		BHUTAN						2.8
56		NEPAL						-9.9
57		BANGLADESH						-8.8