National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 19th Jan 2019

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. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
   Executive Director, 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., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
   Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009
   Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 18.01.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-जनवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 18th January 2019, 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** **19-Jan-19**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	47296	47672	40171	18715	2404	156258
Peak Shortage (MW)	637	0	0	0	26	663
Energy Met (MU)	986	1127	899	359	42	3413
Hydro Gen (MU)	114	24	74	30	7	249
Wind Gen (MU)	12	24	42	----------	----------	78
Solar Gen (MU)*	20.72	21.13	71.08	0.93	0.04	114
Energy Shortage (MU)	15.9	0.0	0.0	0.0	0.3	16.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47630	55549	43659	19142	2413	162434
	18:34	09:26	09:42	18:14	18:21	09:26

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	0.068	0.00	2.34	18.02	20.36	72.25	7.40

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	6002	0	119.0	34.1	-0.3	84	0.0
	Haryana	6902	0	132.4	80.5	0.6	229	1.1
	Rajasthan	12074	106	241.1	62.2	-1.1	168	0.0
	Delhi	4248	0	73.9	55.9	0.5	246	0.0
	UP	14362	0	294.9	117.8	-0.3	196	2.5
	Uttarakhand	2182	0	39.5	24.6	0.1	152	0.0
	HP	1657	0	29.9	24.5	0.1	195	0.1
	J&K	2548	637	51.6	43.8	2.9	377	12.2
	Chandigarh	240	0	3.8	4.0	-0.2	7	0.0
WR	Chhattisgarh	3840	0	82.9	39.5	-0.2	213	0.0
	Gujarat	15435	0	329.8	84.8	1.4	457	0.0
	MP	13799	0	253.4	141.7	-1.1	451	0.0
	Maharashtra	20255	0	413.7	127.5	-1.8	374	0.0
	Goa	485	0	11.9	9.2	2.2	39	0.0
	DD	317	0	7.1	6.9	0.2	37	0.0
	DNH	756	0	17.8	17.7	0.0	30	0.0
	Essar steel	489	0	10.3	9.1	1.2	284	0.0
SR	Andhra Pradesh	8087	0	163.4	67.7	0.3	436	0.0
	Telangana	9185	0	182.1	77.8	0.2	489	0.0
	Karnataka	11547	0	215.6	77.9	-0.6	406	0.0
	Kerala	3520	0	66.4	54.5	0.2	240	0.0
	Tamil Nadu	13145	0	265.1	137.5	0.5	404	0.0
	Pondy	348	0	6.7	7.3	-0.6	56	0.0
ER	Bihar	4436	0	76.7	72.4	0.2	460	0.0
	DVC	3178	0	65.2	-43.7	-0.6	396	0.0
	Jharkhand	1000	0	21.7	19.5	0.6	169	0.0
	Odisha	3883	0	72.8	29.2	0.2	267	0.0
	West Bengal	6861	0	121.5	27.5	1.4	309	0.0
	Sikkim	97	0	1.4	1.8	-0.5	18	0.0
NER	Arunachal Pradesh	110	2	2.2	1.8	0.4	40	0.0
	Assam	1365	15	23.3	17.3	1.5	119	0.2
	Manipur	175	3	2.8	3.1	-0.3	24	0.0
	Meghalaya	353	0	5.4	5.2	0.1	36	0.0
	Mizoram	102	2	1.7	1.5	0.0	13	0.0
	Nagaland	108	3	2.2	1.9	0.1	24	0.0
	Tripura	227	1	4.2	1.7	0.2	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.8	-6.9	-11.7
Day peak (MW)	39.4	-312.0	-814.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	172.9	-194.7	99.1	-79.0	1.0	-0.7
Actual(MU)	171.1	-199.9	97.3	-73.9	2.3	-3.1
O/D/U/D(MU)	-1.8	-5.2	-1.9	5.1	1.4	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2660	15017	6602	1990	154	26423
State Sector	9900	15118	10740	4335	50	40143
Total	12560	30135	17342	6325	204	66565

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	589	1180	477	427	7	2679
Lignite	22	20	56	0	0	98
Hydro	114	24	74	30	7	249
Nuclear	24	31	32	0	0	87
Gas, Naptha & Diesel	32	44	17	0	30	124
RES (Wind, Solar, Biomass & Others)	61	46	154	1	0	262
Total	843	1344	810	458	44	3499

Share of RES in total generation (%)	7.26	3.41	19.00	0.21	0.09	7.49
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	23.65	7.55	31.99	6.74	16.43	17.09

H. Diversity Factor

All India Demand Diversity Factor	1.037

Diversity factor = Sum of regional maximum demands / All India maximum demand

***Source:** RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

कार्यपालक निदेशक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **19-Jan-19**

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)
Import/Export of ER (With NR)								
1	**765kV**	GAYA-VARANASI	D/C	0	994	0.0	13.6	-13.6
2		SASARAM-FATEHPUR	S/C	0	328	0.0	0.8	-0.8
3		GAYA-BALIA	S/C	0	301	0.0	3.1	-3.1
4	**HVDC**	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6
6	**400 kV**	PUSAULI-VARANASI	S/C	0	129	0.0	2.2	-2.2
7		PUSAULI -ALLAHABAD	S/C	0	94	0.0	1.3	-1.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	661	0.0	9.6	-9.6
9		PATNA-BALIA	Q/C	0	941	0.0	20.0	-20.0
10		BIHARSHARIFF-BALIA	D/C	0	307	0.0	4.9	-4.9
11		MOTIHARI-GORAKHPUR	D/C	0	401	0.0	8.1	-8.1
12		BIHARSHARIFF-VARANASI	D/C	31	278	0.0	2.8	-2.8
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	159	0.0	2.8	-2.8
14	**132 kV**	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	S/C	37	0	0.6	0.0	0.6
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	**1.2**	**72.7**	**-71.5**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1628	0	24.2	0.0	24.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	377	496	0.0	0.7	-0.7
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	83	154	0.0	1.4	-1.4
21		RANCHI-SIPAT	D/C	190	75	0.6	0.3	0.3
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	42	52	0.0	0.2	-0.2
23		BUDHIPADAR-KORBA	D/C	131	0	1.7	0.0	1.7
					ER-WR	**26.6**	**2.5**	**24.1**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1364.0	0.0	23.0	-23.0
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	869.0	638.0	0.0	16.0	-16.0
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1983.0	0.0	45.9	-45.9
27	**400 kV**	TALCHER-I/C	D/C	193.0	207.0	0.0	4.9	-4.9
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**84.9**	**-84.9**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	322	0	5.0	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	448	0	7.2	0.0	7
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	77	3	0.9	0.0	1
					ER-NER	**13.1**	**0.0**	**13.1**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	669	0	16.4	0.0	16.4
					NER-NR	**16.4**	**0.0**	**16.4**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	953	0.0	23.0	-23.0
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1271	0.0	24.2	-24.2
36	**765 kV**	GWALIOR-AGRA	D/C	0	1107	0.0	39.6	-39.6
37		PHAGI-GWALIOR	D/C	0	1193	0.0	20.2	-20.2
38		JABALPUR-ORAI	D/C	0	662	0.0	24.6	-24.6
39		GWALIOR-ORAI	S/C	665	0	11.6	0.0	11.6
40		SATNA-ORAI	S/C	0	1291	0.0	27.4	-27.4
41	**400 kV**	ZERDA-KANKROLI	S/C	94	151	0.0	1.1	-1.1
42		ZERDA -BHINMAL	S/C	51	199	0.0	0.9	-0.9
43		V'CHAL -RIHAND	S/C	970	0	20.9	0.0	20.9
44		RAPP-SHUJALPUR	D/C	265	146	0	0	0
45	**220 kV**	BADOD-KOTA	S/C	36	31	0.6	0.0	0.5
46		BADOD-MORAK	S/C	2	99	0.0	1.1	-1.1
47		MEHGAON-AURAIYA	S/C	116	2	1.0	0.0	1.0
48		MALANPUR-AURAIYA	S/C	64	23	0.6	0.0	0.6
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**40.9**	**162.1**	**-121.2**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	23.1	-23.1
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 kV**	SOLAPUR-RAICHUR	D/C	0	1859	0.0	23.9	-23.9
53		WARDHA-NIZAMABAD	D/C	0	1809	0.0	25.8	-25.8
54	**400 kV**	KOLHAPUR-KUDGI	D/C	1171	0	16.9	0.0	16.9
55	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	11	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	0	62	1.3	0.0	1.3
					WR-SR	**18.2**	**72.9**	**-54.7**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**-0.8**
59		NEPAL						**-6.9**
60		BANGLADESH						**-11.7**