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: 15th 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 14.01.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14th 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** **15-Jan-19**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43784	43073	39005	17727	2385	145974
Peak Shortage (MW)	639	0	0	50	24	713
Energy Met (MU)	937	1044	899	355	43	3279
Hydro Gen (MU)	111	25	66	23	8	232
Wind Gen (MU)	21	71	50	----------	----------	142
Solar Gen (MU)*	21.91	19.6	71.69	0.76	0.04	114
Energy Shortage (MU)	12.7	0.0	0.0	0.2	0.2	13.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45131	51456	43829	17930	2354	157547
	09:24	09:57	09:20	18:48	17:56	09:23

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	0.12	4.32	4.43	66.44	29.13

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	5542	0	108.1	31.5	0.2	74	0.0
	Haryana	6529	0	126.0	68.6	0.3	152	0.0
	Rajasthan	11918	0	231.0	59.2	-2.3	301	0.0
	Delhi	4222	0	68.9	53.7	-0.5	213	0.0
	UP	13987	0	282.8	105.1	0.5	711	0.8
	Uttarakhand	2084	0	38.2	22.5	0.3	201	0.0
	HP	1621	0	28.5	23.9	-0.8	97	0.0
	J&K	2546	636	50.2	45.4	0.0	214	11.9
	Chandigarh	229	0	3.7	3.8	-0.2	24	0.0
WR	Chhattisgarh	3793	0	81.2	33.0	-0.8	260	0.0
	Gujarat	12267	0	256.6	48.5	1.0	723	0.0
	MP	13797	0	250.5	131.2	-0.7	570	0.0
	Maharashtra	20680	0	414.6	113.5	0.3	473	0.0
	Goa	458	0	9.5	8.4	0.5	89	0.0
	DD	274	0	6.2	6.2	0.0	31	0.0
	DNH	703	0	16.6	16.7	-0.1	42	0.0
	Essar steel	559	0	9.1	9.3	-0.2	259	0.0
SR	Andhra Pradesh	8069	0	159.1	53.4	0.1	726	0.0
	Telangana	9253	0	179.7	76.3	1.0	977	0.0
	Karnataka	11448	0	210.7	72.3	0.0	422	0.0
	Kerala	3572	0	66.9	54.3	0.6	166	0.0
	Tamil Nadu	13452	0	275.1	135.7	-0.3	636	0.0
	Pondy	368	0	7.4	7.5	-0.1	61	0.0
ER	Bihar	4180	0	76.7	71.2	0.4	460	0.0
	DVC	2863	0	66.3	-38.3	1.2	396	0.0
	Jharkhand	1121	50	24.8	18.7	0.7	169	0.2
	Odisha	3608	0	71.5	24.4	1.9	267	0.0
	West Bengal	6352	0	114.3	21.3	1.1	309	0.0
	Sikkim	91	0	1.6	1.8	-0.2	18	0.0
NER	Arunachal Pradesh	112	2	2.1	2.0	0.2	40	0.0
	Assam	1341	11	23.9	17.7	1.5	100	0.2
	Manipur	178	3	2.9	3.1	-0.2	29	0.0
	Meghalaya	349	0	6.4	5.1	-0.1	50	0.0
	Mizoram	98	3	1.8	1.3	0.4	28	0.0
	Nagaland	125	2	2.1	2.0	-0.1	15	0.0
	Tripura	227	0	3.9	2.0	-0.1	62	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-7.0	-13.8
Day peak (MW)	135.0	-322.0	-810.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.2	-199.8	115.4	-81.8	1.0	0.0
Actual(MU)	159.2	-202.6	115.3	-73.2	1.2	-0.2
O/D/U/D(MU)	-6.0	-2.8	-0.1	8.6	0.1	-0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2665	15571	7212	1640	156	27244
State Sector	9655	15890	8900	4425	50	38920
Total	12320	31461	16112	6065	206	66163

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	547	1062	456	423	8	2496
Lignite	20	14	52	0	0	87
Hydro	111	25	66	23	8	232
Nuclear	24	31	31	0	0	87
Gas, Naptha & Diesel	29	39	20	0	30	119
RES (Wind, Solar, Biomass & Others)	72	93	163	1	0	329
Total	803	1264	789	447	46	3348

Share of RES in total generation (%)	8.93	7.35	20.67	0.18	0.09	9.81
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.70	11.78	33.02	5.30	16.68	19.33

H. Diversity Factor

All India Demand Diversity Factor	1.020

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 : **15-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	667	0.0	7.7	-7.7
2		SASARAM-FATEHPUR	S/C	0	268	0.0	2.7	-2.7
3		GAYA-BALIA	S/C	0	356	0.0	5.5	-5.5
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	132	0.0	2.6	-2.6
7		PUSAULI -ALLAHABAD	S/C	0	79	0.0	1.0	-1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	619	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	928	0.0	17.3	-17.3
10		BIHARSHARIFF-BALIA	D/C	0	339	0.0	5.1	-5.1
11		MOTIHARI-GORAKHPUR	D/C	0	368	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	47	148	0.0	0.5	-0.5
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	146	0.0	2.7	-2.7
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	35	0	0.6	0.0	0.6
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	**1.2**	**63.4**	**-62.3**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1490	0	23.8	0.0	23.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	232	336	0.0	0.8	-0.8
20	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	60	96	0.0	0.3	-0.3
21		RANCHI-SIPAT	D/C	103	92	0.6	0.0	0.6
22	**220 kV**	BUDHIPADAR-RAIGARH	S/C	0	74	0.0	1.1	-1.1
23		BUDHIPADAR-KORBA	D/C	100	0	1.3	0.0	1.3
					ER-WR	**25.6**	**2.2**	**23.5**
Import/Export of ER (With SR)								
24	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1545.0	0.0	28.4	-28.4
25	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	684.0	0.0	16.0	-16.0
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	39.6	-39.6
27	**400 kV**	TALCHER-I/C	D/C	218.0	397.0	0.0	7.6	-7.6
28	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**84.0**	**-84.0**
Import/Export of ER (With NER)								
29	**400 kV**	BINAGURI-BONGAIGAON	D/C	326	0	5.4	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	440	0	8.1	0.0	8
31	**220 kV**	ALIPURDUAR-SALAKATI	D/C	71	4	1.0	0.0	1
					ER-NER	**14.4**	**0.0**	**14.4**
Import/Export of NER (With NR)								
32	**HVDC**	BISWANATH CHARIALI-AGRA	-	660	0	16.3	0.0	16.3
					NER-NR	**16.3**	**0.0**	**16.3**
Import/Export of WR (With NR)								
33	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	23.1	-23.1
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1177	0.0	25.7	-25.7
36	**765 kV**	GWALIOR-AGRA	D/C	0	1058	0.0	36.8	-36.8
37		PHAGI-GWALIOR	D/C	0	1216	0.0	15.7	-15.7
38		JABALPUR-ORAI	D/C	0	726	0.0	23.1	-23.1
39		GWALIOR-ORAI	S/C	596	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	0	1280	0.0	25.4	-25.4
41	**400 kV**	ZERDA-KANKROLI	S/C	100	242	0.0	1.2	-1.2
42		ZERDA -BHINMAL	S/C	78	347	0.0	3.7	-3.7
43		V'CHAL -RIHAND	S/C	968	0	20.0	0.0	20.0
44		RAPP-SHUJALPUR	D/C	313	129	1	0	1
45	**220 kV**	BADOD-KOTA	S/C	41	27	0.4	0.2	0.2
46		BADOD-MORAK	S/C	24	110	0.0	1.0	-0.9
47		MEHGAON-AURAIYA	S/C	123	0	1.6	0.0	1.6
48		MALANPUR-AURAIYA	S/C	66	10	0.6	0.0	0.6
49	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**39.8**	**155.9**	**-116.1**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	17.1	-17.1
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 kV**	SOLAPUR-RAICHUR	D/C	290	2082	0.0	28.2	-28.2
53		WARDHA-NIZAMABAD	D/C	0	2047	0.0	33.5	-33.5
54	**400 kV**	KOLHAPUR-KUDGI	D/C	1259	0	14.0	0.0	14.0
55	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	0	64	1.2	0.0	1.2
					WR-SR	**15.1**	**78.9**	**-63.8**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**2.0**
59		NEPAL						**-7.0**
60		BANGLADESH						**-13.8**