



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: 20thJan 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., डोंगतिह, लोअर नोंग्रह, लापालंग, 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 19.01.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-जनवरी-2019 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 19th 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

20-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46421	48249	39718	18147	2436	154971
Peak Shortage (MW)	876	0	0	267	29	1172
Energy Met (MU)	969	1123	900	364	43	3399
Hydro Gen (MU)	113	25	75	29	7	248
Wind Gen (MU)	6	22	39	-----	-----	67
Solar Gen (MU)*	18.35	21.65	70.26	0.82	0.02	111
Energy Shortage (MU)	14.5	0.3	0.0	0.8	0.4	16.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47060 18:19	55519 10:27	43627 08:15	18688 18:47	2460 17:49	159891 08:54

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	0.14	0.43	7.52	8.09	75.79	16.12

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	5645	0	114.9	32.6	-0.1	128	0.0	
	Haryana	6476	263	129.5	79.0	0.4	141	1.4	
	Rajasthan	12294	0	242.0	68.0	-0.2	370	0.0	
	Delhi	4008	0	66.2	51.4	-1.0	246	0.0	
	UP	14723	0	293.8	112.2	0.6	253	1.6	
	Uttarakhand	2109	0	39.1	24.2	0.9	193	0.0	
	HP	1614	0	29.3	24.7	-0.6	104	0.0	
	J&K	2533	633	50.4	43.2	2.0	432	11.6	
	Chandigarh	224	0	3.6	3.8	-0.2	11	0.0	
	WR	Chhattisgarh	3712	0	83.3	37.8	1.5	305	0.3
Gujarat		15402	0	329.0	82.8	1.1	560	0.0	
MP		13678	0	250.8	139.0	-0.2	888	0.0	
Maharashtra		20510	0	413.1	123.5	0.8	586	0.0	
Goa		498	0	12.0	8.7	2.7	50	0.0	
DD		339	0	6.9	6.6	0.3	41	0.0	
DNH		724	0	16.8	16.7	0.0	58	0.0	
Essar steel		535	0	11.0	10.9	0.1	289	0.0	
SR		Andhra Pradesh	8221	0	165.2	69.3	0.3	459	0.0
		Telangana	9176	0	182.5	72.8	0.3	490	0.0
	Karnataka	11042	0	211.7	79.0	-0.4	418	0.0	
	Kerala	3408	0	66.1	53.8	0.7	200	0.0	
	Tamil Nadu	13110	0	268.0	144.7	0.9	412	0.0	
	Pondy	345	0	7.0	7.5	-0.5	45	0.0	
	ER	Bihar	4300	0	75.1	71.2	-1.2	460	0.0
DVC		3131	0	69.7	-42.7	-0.5	396	0.0	
Jharkhand		1002	267	21.7	16.2	1.1	169	0.8	
Odisha		3948	0	74.0	25.5	0.9	267	0.0	
West Bengal		6577	0	122.6	26.5	-0.8	309	0.0	
Sikkim		92	0	1.3	1.8	-0.5	18	0.0	
NER	Arunachal Pradesh	109	2	2.3	2.0	0.3	53	0.0	
	Assam	1397	15	23.2	18.1	0.8	155	0.3	
	Manipur	183	2	2.8	3.0	-0.2	31	0.0	
	Meghalaya	375	0	6.6	5.2	0.3	43	0.0	
	Mizoram	100	2	1.6	1.6	-0.2	22	0.0	
	Nagaland	107	1	2.1	1.9	0.1	20	0.0	
	Tripura	220	1	4.1	1.9	0.1	47	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.0	-5.8	-12.8
Day peak (MW)	54.2	-456.0	-819.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.7	-189.4	102.1	-80.0	1.5	-0.1
Actual(MU)	160.8	-192.2	100.6	-76.8	1.7	-5.9
O/D/U/D(MU)	-4.9	-2.8	-1.5	3.2	0.2	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2660	15677	6602	1990	155	27083
State Sector	10810	15608	10680	3915	50	41063
Total	13470	31285	17282	5905	204	68146

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	589	1167	473	437	9	2675
Lignite	22	19	60	0	0	101
Hydro	113	25	75	29	7	248
Nuclear	24	31	32	0	0	87
Gas, Naptha & Diesel	27	43	18	0	30	117
RES (Wind, Solar, Biomass & Others)	52	45	149	1	0	247
Total	827	1329	807	467	46	3475
Share of RES in total generation (%)	6.30	3.36	18.51	0.19	0.04	7.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	22.85	7.56	31.67	6.31	16.00	16.74

H. Diversity Factor

All India Demand Diversity Factor	1.047
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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.

INTER-REGIONAL EXCHANGES

Date of Reporting : 20-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	894	0.0	11.8	-11.8
2		SASARAM-FATEHPUR	S/C	0	312	0.0	3.7	-3.7
3		GAYA-BALIA	S/C	0	293	0.0	2.8	-2.8
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	149	0.0	3.5	-3.5
6	400 kV	PUSAULI-VARANASI	S/C	0	141	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	691	0.0	9.4	-9.4
9		PATNA-BALIA	Q/C	0	1003	0.0	19.4	-19.4
10		BIHARSHARIFF-BALIA	D/C	0	376	0.0	5.7	-5.7
11		MOTIHARI-GORAKHPUR	D/C	0	412	0.0	7.7	-7.7
12		BIHARSHARIFF-VARANASI	D/C	39	257	0.0	2.8	-2.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	164	0.0	3.0	-3.0
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	38	0	0.6	0.0	0.6
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						1.2	73.1	-71.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1229	0	20.6	0.0	20.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	255	387	0.0	1.6	-1.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	23	214	0.0	3.3	-3.3
21		RANCHI-SIPAT	D/C	122	131	0.5	0.0	0.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	13	87	0.0	0.8	-0.8
23		BUDHIPADAR-KORBA	D/C	96	35	1.0	0.0	1.0
ER-WR						22.1	5.7	16.4
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1775.0	0.0	24.3	-24.3
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	638.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	40.9	-40.9
27	400 kV	TALCHER-I/C	D/C	127.0	183.0	1.0	0.0	1.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	81.1	-81.1
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	291	0	5.4	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	416	0	8.0	0.0	8
31	220 kV	ALIPURDUAR-SALAKATI	D/C	64	8	1.0	0.0	1
ER-NER						14.3	0.0	14.3
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	666	0	16.2	0.0	16.2
NER-NR						16.2	0.0	16.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	953	0.0	22.6	-22.6
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	1457	0.0	33.2	-33.2
36		GWALIOR-AGRA	D/C	0	975	0.0	34.6	-34.6
37		PHAGI-GWALIOR	D/C	0	1169	0.0	17.4	-17.4
38		JABALPUR-ORAI	D/C	0	542	0.0	20.3	-20.3
39		GWALIOR-ORAI	S/C	625	0	11.3	0.0	11.3
40		SATNA-ORAI	S/C	0	1156	0.0	23.8	-23.8
41		ZERDA-KANKROLI	S/C	107	155	0.0	0.1	-0.1
42	400 kV	ZERDA -BHINMAL	S/C	14	180	0.0	1.0	-1.0
43		V'CHAL -RIHAND	S/C	981	0	21.5	0.0	21.5
44		RAPP-SHUJALPUR	D/C	273	170	0	0	0
45	220 kV	BADOD-KOTA	S/C	36	32	0.8	0.1	0.8
46		BADOD-MORAK	S/C	20	104	0.0	0.8	-0.8
47		MEHGAON-AURAIYA	S/C	122	0	1.7	0.0	1.7
48	132kV	MALANPUR-AURAIYA	S/C	68	6	0.7	0.0	0.7
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.4	153.9	-111.5
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	21	2528	0.0	26.7	-26.7
53		WARDHA-NIZAMABAD	D/C	0	2178	0.0	25.4	-25.4
54	400 kV	KOLHAPUR-KUDGI	D/C	1003	0	13.7	0.0	13.7
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	0	64	1.1	0.0	1.1
WR-SR						14.8	76.0	-61.2
TRANSNATIONAL EXCHANGE								
58		BHUTAN						1.0
59		NEPAL						-5.8
60		BANGLADESH						-12.8