



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: 18thJan 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 17.01.2019.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th 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

18-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46745	48098	38123	18398	2449	153813
Peak Shortage (MW)	605	0	0	0	22	627
Energy Met (MU)	984	1122	861	353	42	3362
Hydro Gen (MU)	112	26	69	30	8	245
Wind Gen (MU)	15	21	34	-----	-----	71
Solar Gen (MU)*	21.88	20.2	72.66	0.91	0.04	116
Energy Shortage (MU)	12.7	0.0	0.0	0.0	0.4	13.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47729 18:25	55449 10:44	41461 09:29	18551 18:18	2344 17:29	161420 09:27

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	0.038	0.00	0.06	8.41	8.47	74.16	17.37

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	5985	0	120.1	33.3	-0.3	111	0.0	
	Haryana	6809	0	131.3	75.3	0.2	102	0.0	
	Rajasthan	12172	0	244.1	67.8	-1.3	285	0.0	
	Delhi	4120	0	72.2	56.1	-0.5	227	0.0	
	UP	13908	0	293.4	107.7	0.7	418	0.8	
	Uttarakhand	2166	0	39.1	25.0	-0.1	86	0.0	
	HP	1616	0	29.7	24.7	-0.2	129	0.0	
	J&K	2573	643	50.3	45.1	0.3	286	11.9	
	Chandigarh	233	0	3.8	3.9	-0.2	16	0.0	
	WR	Chhattisgarh	3814	0	77.8	41.7	-0.6	226	0.0
Gujarat		15217	0	327.5	88.4	1.3	476	0.0	
MP		13834	0	251.9	141.4	-1.0	519	0.0	
Maharashtra		20837	0	421.0	129.1	-0.7	580	0.0	
Goa		458	0	9.5	9.3	-0.4	43	0.0	
DD		316	0	7.1	6.8	0.2	76	0.0	
DNH		766	0	17.9	17.9	0.0	101	0.0	
Essar steel		508	0	9.2	8.9	0.3	269	0.0	
SR		Andhra Pradesh	7851	0	157.0	65.8	0.1	532	0.0
		Telangana	8972	0	178.2	71.1	-0.4	467	0.0
	Karnataka	11496	0	215.5	80.3	0.3	650	0.0	
	Kerala	3464	0	66.3	55.1	0.2	141	0.0	
	Tamil Nadu	11368	0	238.1	121.7	-0.4	683	0.0	
	Pondy	284	0	6.0	6.5	-0.5	44	0.0	
	ER	Bihar	4352	0	75.3	69.9	0.3	460	0.0
DVC		3267	0	65.0	-43.9	0.0	396	0.0	
Jharkhand		1096	0	22.4	16.7	0.3	169	0.0	
Odisha		3879	0	71.8	25.1	1.1	267	0.0	
West Bengal		6628	0	117.2	18.4	0.7	309	0.0	
Sikkim		96	0	1.4	1.9	-0.5	18	0.0	
NER	Arunachal Pradesh	114	2	2.2	1.9	0.3	33	0.0	
	Assam	1412	20	22.8	16.5	1.3	114	0.3	
	Manipur	213	3	2.8	3.2	-0.4	42	0.0	
	Meghalaya	355	2	6.6	5.3	-0.1	37	0.0	
	Mizoram	107	1	1.9	1.4	0.3	28	0.0	
	Nagaland	109	3	2.1	1.9	0.0	15	0.0	
	Tripura	230	9	4.1	1.9	0.2	46	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.6	-7.0	-14.0
Day peak (MW)	67.3	-308.0	-823.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.9	-179.6	97.6	-90.8	1.1	0.0
Actual(MU)	166.7	-184.8	96.8	-84.3	2.0	-3.7
O/D/U/D(MU)	-5.2	-5.2	-0.8	6.6	1.0	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2660	14779	6602	1990	405	26436
State Sector	10400	15216	9790	4835	50	40291
Total	13060	29995	16392	6825	454	66726

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	588	1167	456	421	6	2637
Lignite	22	19	51	0	0	91
Hydro	112	26	69	30	8	245
Nuclear	24	31	32	0	0	87
Gas, Naptha & Diesel	30	42	20	0	30	123
RES (Wind, Solar, Biomass & Others)	66	44	147	1	0	258
Total	842	1330	773	452	44	3441

Share of RES in total generation (%)	7.79	3.32	18.99	0.21	0.09	7.48
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	23.93	7.64	31.99	6.92	17.33	17.13

H. Diversity Factor

All India Demand Diversity Factor	1.025
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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 : 18-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	807	0.0	12.5	-12.5
2		SASARAM-FATEHPUR	S/C	0	0	0.0	0.0	0.0
3		GAYA-BALIA	S/C	0	325	0.0	6.3	-6.3
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	150	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	114	0.0	2.1	-2.1
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	1.5	-1.5
8		MUZAFFARPUR-GORAKHPUR	D/C	0	691	0.0	10.0	-10.0
9		PATNA-BALIA	Q/C	0	1012	0.0	19.5	-19.5
10		BIHARSHARIFF-BALIA	D/C	0	356	0.0	5.7	-5.7
11		MOTIHARI-GORAKHPUR	D/C	0	399	0.0	7.9	-7.9
12		BIHARSHARIFF-VARANASI	D/C	0	286	0.0	3.6	-3.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	157	0.0	3.0	-3.0
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.7	-0.7
15		GARWAH-RIHAND	S/C	25	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	42	0	0.6	0.0	0.6
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						1.1	76.3	-75.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1362	0	21.1	0.0	21.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	191	443	0.0	2.9	-2.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	63	199	0.0	2.7	-2.7
21		RANCHI-SIPAT	D/C	77	122	0.0	0.1	-0.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	23	86	0.0	0.7	-0.7
23		BUDHIPADAR-KORBA	D/C	114	32	1.0	0.0	1.0
ER-WR						22.1	6.4	15.7
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1529.0	0.0	23.9	-23.9
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	804.0	676.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.0	0.0	42.5	-42.5
27	400 kV	TALCHER-I/C	D/C	261.0	326.0	0.0	2.9	-2.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	82.4	-82.4
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	311	0	5.3	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	416	0	7.4	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	95	16	1.1	0.0	1
ER-NER						13.8	0.0	13.8
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	22.2	-22.2
34		V'CHAL B/B	D/C	241	0	5.8	0.0	5.8
35	765 kV	APL -MHG	D/C	0	791	0.0	19.4	-19.4
36		GWALIOR-AGRA	D/C	0	1060	0.0	38.3	-38.3
37		PHAGI-GWALIOR	D/C	0	1188	0.0	21.6	-21.6
38		JABALPUR-ORAI	D/C	0	621	0.0	24.2	-24.2
39		GWALIOR-ORAI	S/C	663	0	12.3	0.0	12.3
40		SATNA-ORAI	S/C	0	1228	0.0	27.1	-27.1
41		400 kV	ZERDA-KANKROLI	S/C	90	92	0.0	0.2
42	ZERDA -BHINMAL		S/C	61	261	0.0	2.9	-2.9
43	V'CHAL -RIHAND		S/C	984	0	21.0	0.0	21.0
44	RAPP-SHUJALPUR		D/C	288	73	1	0	1
45	220 kV	BADOD-KOTA	S/C	26	20	0.8	0.0	0.8
46		BADOD-MORAK	S/C	25	115	0.0	1.0	-1.0
47		MEHGAON-AURAIYA	S/C	112	4	1.5	0.0	1.5
48	132kV	MALANPUR-AURAIYA	S/C	57	35	0.5	0.1	0.4
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.1	157.0	-113.9
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.4	-23.4
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	34	1815	0.0	22.5	-22.5
53		WARDHA-NIZAMABAD	D/C	0	1754	0.0	25.8	-25.8
54	400 kV	KOLHAPUR-KUDGI	D/C	1059	0	15.8	0.0	15.8
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	1.2	0.0	1.2
WR-SR						16.9	71.7	-54.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						-0.6
59		NEPAL						-7.0
60		BANGLADESH						-14.0