



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: 25th Jan 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 24.01.2019.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-जनवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 24th 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

25-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42956	47073	41818	17738	2397	151982
Peak Shortage (MW)	650	0	0	0	31	681
Energy Met (MU)	894	1105	941	356	43	3338
Hydro Gen (MU)	110	26	79	20	8	243
Wind Gen (MU)	21	59	26	-----	-----	106
Solar Gen (MU)*	20.23	19.73	66.73	1.12	0.05	108
Energy Shortage (MU)	10.7	0.1	0.0	0.0	0.3	11.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43984 18:29	54438 09:51	43917 09:58	18592 19:22	2550 18:08	156937 09:28

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	0.75	7.97	8.73	72.05	19.22

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	5367	0	104.0	34.5	-0.1	98	0.0	
	Haryana	6439	0	118.3	73.9	-0.3	256	0.0	
	Rajasthan	11582	0	224.8	49.3	-3.3	322	0.0	
	Delhi	3984	0	70.4	55.7	-0.3	209	0.0	
	UP	12660	500	259.8	97.7	0.8	320	0.1	
	Uttarakhand	2085	0	38.2	25.8	-0.7	130	0.0	
	HP	1627	6	29.8	24.3	0.4	157	0.1	
	J&K	2309	577	45.4	46.2	-6.7	-68	10.4	
	Chandigarh	241	0	3.8	3.9	-0.1	42	0.0	
	WR	Chhattisgarh	3738	0	80.8	32.9	-0.6	219	0.1
Gujarat		15528	0	327.4	78.1	1.3	532	0.0	
MP		12761	0	235.6	130.5	-1.0	495	0.0	
Maharashtra		20365	0	413.3	128.6	1.9	534	0.0	
Goa		498	0	12.0	10.9	0.4	90	0.0	
DD		318	0	7.2	6.9	0.3	34	0.0	
DNH		782	0	18.2	18.2	0.0	31	0.0	
Essar steel		477	0	10.3	10.4	0.0	257	0.0	
SR		Andhra Pradesh	8369	0	169.7	62.5	1.0	632	0.0
		Telangana	9147	0	184.0	77.1	0.1	531	0.0
	Karnataka	11676	0	218.7	85.5	0.0	618	0.0	
	Kerala	3520	0	66.6	49.3	1.1	199	0.0	
	Tamil Nadu	14462	0	294.9	147.2	0.4	519	0.0	
	Pondy	359	0	7.1	7.3	-0.3	48	0.0	
	ER	Bihar	4003	0	63.7	61.0	-1.4	460	0.0
		DVC	3030	0	65.3	-45.7	-0.5	396	0.0
		Jharkhand	1139	0	24.6	18.5	-0.9	169	0.0
		Odisha	3894	0	73.5	26.1	-0.1	267	0.0
West Bengal		6751	0	127.2	24.6	-0.3	309	0.0	
NER	Sikkim	97	0	1.3	1.7	-0.4	18	0.0	
	Arunachal Pradesh	108	2	2.4	2.0	0.4	37	0.0	
	Assam	1401	23	23.5	18.3	1.5	135	0.3	
	Manipur	207	3	2.9	2.9	0.0	22	0.0	
	Meghalaya	356	2	6.0	5.2	-0.2	39	0.0	
	Mizoram	94	3	1.9	1.6	-0.4	10	0.0	
	Nagaland	118	3	2.2	1.9	0.2	43	0.0	
Tripura	232	9	3.7	3.6	0.5	74	0.0		

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.2	-6.8	-14.6
Day peak (MW)	70.2	-308.0	-833.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	163.4	-200.7	115.0	-79.4	1.6	-0.1
Actual(MU)	155.3	-194.0	116.1	-82.8	2.8	-2.6
O/D/U/D(MU)	-8.1	6.7	1.1	-3.4	1.2	-2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3115	13816	5592	1220	325	24068
State Sector	11310	16151	8450	4275	50	40236
Total	14425	29967	14042	5495	374	64303

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	523	1141	513	428	9	2614
Lignite	17	13	55	0	0	85
Hydro	110	26	79	20	8	243
Nuclear	24	28	32	0	0	83
Gas, Naptha & Diesel	30	34	18	0	26	108
RES (Wind, Solar, Biomass & Others)	68	81	132	1	0	283
Total	772	1323	829	448	44	3416

Share of RES in total generation (%)	8.85	6.10	15.97	0.26	0.11	8.27
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.17	10.17	29.31	4.66	18.97	17.82

H. Diversity Factor

All India Demand Diversity Factor	1.042
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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 : 25-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	741	0.0	10.6	-10.6
2		SASARAM-FATEHPUR	S/C	0	362	0.0	5.4	-5.4
3		GAYA-BALIA	S/C	0	319	0.0	5.5	-5.5
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	150	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	111	0.0	1.8	-1.8
7		PUSAULI -ALLAHABAD	S/C	0	108	0.0	1.7	-1.7
8		MUZAFFARPUR-GORAKHPUR	D/C	0	647	0.0	7.9	-7.9
9		PATNA-BALIA	Q/C	0	964	0.0	16.8	-16.8
10		BIHARSHARIFF-BALIA	D/C	0	331	0.0	5.2	-5.2
11		MOTIHARI-GORAKHPUR	D/C	0	362	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	D/C	28	276	0.0	2.9	-2.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.6	-2.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	30	0	0.4	0.0	0.4
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						0.9	70.6	-69.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1434	0	24.6	0.0	24.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	419	734	0.0	0.4	-0.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	212	292	0.0	0.5	-0.5
21		RANCHI-SIPAT	D/C	200	202	1.3	0.0	1.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	7	79	0.0	0.8	-0.8
23		BUDHIPADAR-KORBA	D/C	131	0	1.7	0.0	1.7
ER-WR						27.6	1.6	25.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1927.0	0.0	27.1	-27.1
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	15.3	-15.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1981.0	0.0	48.0	-48.0
27	400 kV	TALCHER-I/C	D/C	0.0	358.0	0.0	12.7	-12.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	90.4	-90.4
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	267	0	4.6	0.0	5
30		ALIPURDUAR-BONGAIGAON	D/C	387	0	7.4	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	59	10	0.8	0.0	1
ER-NER						12.8	0.0	12.8
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	666	0	16.1	0.0	16.1
NER-NR						16.1	0.0	16.1
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1206	0.0	26.7	-26.7
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1552	0.0	33.3	-33.3
36		GWALIOR-AGRA	D/C	0	1100	0.0	36.0	-36.0
37	765 kV	PHAGI-GWALIOR	D/C	0	847	0.0	13.0	-13.0
38		JABALPUR-ORAI	D/C	1	641	0.0	11.9	-11.9
39		GWALIOR-ORAI	S/C	463	77	10.3	0.0	10.3
40		SATNA-ORAI	S/C	0	1315	0.0	26.6	-26.6
41		ZERDA-KANKROLI	S/C	201	80	1.5	0.0	1.5
42	400 kV	ZERDA -BHINMAL	S/C	97	207	0.0	1.4	-1.4
43		V'CHAL -RIHAND	S/C	990	0	19.5	0.0	19.5
44		RAPP-SHUJALPUR	D/C	406	99	2	0	2
45	220 kV	BADOD-KOTA	S/C	42	77	0.1	0.0	0.1
46		BADOD-MORAK	S/C	0	127	0.0	1.6	-1.6
47		MEHGAON-AURAIYA	S/C	106	0	1.3	0.0	1.3
48		MALANPUR-AURAIYA	S/C	60	21	0.3	0.0	0.3
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.8	150.6	-109.8
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	0	2306	0.0	24.3	-24.3
53		WARDHA-NIZAMABAD	D/C	0	2320	0.0	28.1	-28.1
54	400 kV	KOLHAPUR-KUDGI	D/C	891	0	12.3	0.0	12.3
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	0	70	0.0	1.2	-1.2
57		XELDEM-AMBEWADI	S/C	0	52	0.9	0.0	0.9
WR-SR						13.2	77.4	-64.2
TRANSNATIONAL EXCHANGE								
58		BHUTAN						-0.2
59		NEPAL						-6.8
60		BANGLADESH						-14.6