



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: 20th Feb 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापालंग, शिलोंग - 793006
Chief General Manager, 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 19.02.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-फ़रवरी-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 19th February 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-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43422	46851	44514	17012	2375	154174
Peak Shortage (MW)	581	0	0	0	39	620
Energy Met (MU)	882	1112	1043	361	41	3439
Hydro Gen (MU)	126	27	87	31	3	275
Wind Gen (MU)	14	20	26	-----	-----	60
Solar Gen (MU)*	21.11	24.42	73.52	1.02	0.04	120
Energy Shortage (MU)	11.7	1.1	0.0	0.0	0.6	13.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43999 18:46	54318 11:01	46825 09:54	18886 19:20	2411 18:29	159727 09:54

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	0.00	0.87	7.70	8.56	74.71	16.72

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	4934	0	96.3	36.7	-1.4	99	0.0
	Haryana	6074	0	116.6	80.3	0.7	207	0.0
	Rajasthan	11668	0	232.5	67.3	1.2	302	0.0
	Delhi	3904	0	65.0	56.0	-1.2	137	0.0
	UP	13866	0	257.1	106.5	1.4	384	0.0
	Uttarakhand	1880	0	36.1	20.5	-0.3	134	0.0
	HP	1499	0	27.3	20.5	-0.1	146	0.0
	J&K	2322	581	47.9	43.2	-0.7	169	11.7
WR	Chandigarh	192	0	3.2	3.5	-0.3	9	0.0
	Chhattisgarh	3764	0	84.5	27.1	0.4	361	1.1
	Gujarat	15047	0	327.9	109.4	2.2	535	0.0
	MP	11966	0	223.4	100.1	-1.6	601	0.0
	Maharashtra	20606	0	425.1	115.8	-3.8	490	0.0
	Goa	498	0	11.9	11.0	0.3	35	0.0
	DD	323	0	7.2	6.9	0.3	47	0.0
	DNH	772	0	18.0	17.9	0.1	47	0.0
SR	Essar steel	623	0	13.7	13.7	0.0	255	0.0
	Andhra Pradesh	8705	0	192.8	74.5	0.5	498	0.0
	Telangana	9661	0	203.3	75.2	0.4	495	0.0
	Karnataka	11886	0	233.1	82.0	-0.1	492	0.0
	Kerala	3797	0	75.2	58.1	0.7	244	0.0
	Tamil Nadu	15115	0	330.9	174.3	0.6	489	0.0
	Pondy	363	0	7.8	7.8	0.0	37	0.0
	ER	Bihar	4030	0	68.5	65.5	-2.3	460
DVC		3012	0	63.7	-44.5	-0.5	396	0.0
Jharkhand		1000	0	22.9	16.4	-0.3	169	0.0
Odisha		4922	0	76.8	22.5	1.1	267	0.0
West Bengal		6948	0	127.1	22.8	0.3	309	0.0
Sikkim		100	0	1.5	1.7	-0.2	18	0.0
NER	Arunachal Pradesh	115	2	2.2	2.5	-0.3	10	0.0
	Assam	1370	23	21.9	17.5	0.3	112	0.5
	Manipur	185	4	2.3	2.6	-0.3	27	0.0
	Meghalaya	378	0	6.7	5.0	0.3	16	0.0
	Mizoram	96	2	1.8	1.4	0.3	22	0.0
	Nagaland	113	3	2.2	1.9	0.2	16	0.0
	Tripura	223	0	4.0	1.8	0.2	33	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	-0.4	-6.8	-19.1
Day peak (MW)	112.3	-270.0	-986.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	164.4	-218.0	125.1	-75.9	4.0	-0.4
Actual(MU)	162.0	-227.8	130.8	-71.9	4.2	-2.8
O/D/U/D(MU)	-2.4	-9.9	5.7	4.0	0.2	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4421	15484	6282	2030	734	28952
State Sector	12415	14961	6320	2855	50	36601
Total	16836	30445	12602	4885	784	65552

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	479	1181	583	443	8	2694
Lignite	21	15	55	0	0	91
Hydro	126	27	87	31	3	275
Nuclear	24	31	36	0	0	91
Gas, Naptha & Diesel	26	41	18	0	29	113
RES (Wind, Solar, Biomass & Others)	66	48	141	1	0	256
Total	742	1342	919	475	41	3519

Share of RES in total generation (%)	8.90	3.56	15.31	0.23	0.10	7.26
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.13	7.91	28.64	6.84	8.31	17.66

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 : 20-Feb-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	455	0.0	6.0	-6.0
2		SASARAM-FATEHPUR	S/C	0	305	0.0	3.8	-3.8
3		GAYA-BALIA	S/C	0	480	0.0	7.6	-7.6
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	148	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	114	0.0	2.4	-2.4
7		PUSAULI -ALLAHABAD	S/C	0	73	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	601	0.0	9.2	-9.2
9		PATNA-BALIA	Q/C	0	686	0.0	12.0	-12.0
10		BIHARSHARIFF-BALIA	D/C	0	360	0.0	6.2	-6.2
11		MOTIHARI-GORAKHPUR	D/C	0	270	0.0	5.4	-5.4
12		BIHARSHARIFF-VARANASI	D/C	9	230	0.0	2.7	-2.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	148	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	30	0	0.7	0.0	0.7
16		KARMANASA-SAHUPURI	S/C	36	0	0.2	0.0	0.2
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
ER-NR						0.8	62.8	-62.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1544	0	28.4	0.0	28.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	353	281	0.5	0.0	0.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	217	98	1.4	0.0	1.4
21		RANCHI-SIPAT	D/C	194	35	2.2	0.0	2.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	30	85	0.0	0.9	-0.9
23		BUDHIPADAR-KORBA	D/C	202	0	3.4	0.0	3.4
ER-WR						35.8	0.9	35.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1794.0	0.0	30.6	-30.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	692.0	0.0	16.3	-16.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2464.0	0.0	48.3	-48.3
27	400 kV	TALCHER-I/C	D/C	0.0	613.0	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	95.1	-95.1
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	303	66	3.8	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	412	0	6.1	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	59	42	0.6	0.0	1
ER-NER						10.5	0.0	10.5
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	666	0	15.9	0.0	15.9
NER-NR						15.9	0.0	15.9
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1399	0.0	20.1	-20.1
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	1076	0.0	24.5	-24.5
36		GWALIOR-AGRA	D/C	0	2623	0.0	43.3	-43.3
37		PHAGI-GWALIOR	D/C	0	1142	0.0	16.1	-16.1
38		JABALPUR-ORAI	D/C	0	766	0.0	24.2	-24.2
39		GWALIOR-ORAI	S/C	649	0	11.6	0.0	11.6
40		SATNA-ORAI	S/C	0	1299	0.0	25.8	-25.8
41		ZERDA-KANKROLI	S/C	149	86	0.9	0.0	0.9
42	400 kV	ZERDA -BHINMAL	S/C	100	285	0.0	2.2	-2.2
43		V'CHAL -RIHAND	S/C	973	0	20.8	0.0	20.8
44	RAPP-SHUJALPUR	D/C	120	311	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	11	64	0.1	0.8	-0.8
46		BADOD-MORAK	S/C	0	142	0.0	1.5	-1.5
47		MEHGAON-AURAIYA	S/C	105	5	1.1	0.0	1.1
48	MALANPUR-AURAIYA	S/C	55	38	0.3	0.1	0.2	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.8	159.4	-118.6
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2203	0.0	31.5	-31.5
53		WARDHA-NIZAMABAD	D/C	0	2131	0.0	31.5	-31.5
54	400 kV	KOLHAPUR-KUDGI	D/C	834	0	12.8	0.0	12.8
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	0	78	0.0	1.3	-1.3
57		XELDEM-AMBEWADI	S/C	0	55	0.9	0.0	0.9
WR-SR						13.8	88.1	-74.3
TRANSNATIONAL EXCHANGE								
58		BHUTAN						-0.4
59		NEPAL						-6.8
60		BANGLADESH						-19.1