

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

26-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42685	47731	44943	16814	2419	154592
Peak Shortage (MW)	547	0	0	0	70	617
Energy Met (MU)	889	1124	1044	340	42	3440
Hydro Gen (MU)	152	24	82	28	3	290
Wind Gen (MU)	8	46	26	-----	-----	80
Solar Gen (MU)*	25.67	25.71	81.89	1.03	0.02	134
Energy Shortage (MU)	11.2	0.0	0.0	0.0	0.6	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43983 18:56	54448 11:01	46425 11:09	18746 19:18	2380 18:20	159345 18:59

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	0.039	0.00	0.21	2.35	2.56	63.75	33.69

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	5074	0	101.8	40.1	-1.7	21	0.0
	Haryana	5836	0	117.4	87.7	1.2	322	0.0
	Rajasthan	11609	0	232.4	70.0	1.2	278	0.0
	Delhi	3597	0	61.4	58.1	-0.7	158	0.0
	UP	14018	0	261.4	107.7	0.1	401	0.0
	Uttarakhand	1903	0	35.9	19.8	0.1	82	0.0
	HP	1592	0	28.6	19.5	0.0	125	0.0
	J&K	2188	547	46.7	41.0	-2.3	105	11.1
Chandigarh	208	0	3.3	3.7	-0.4	0	0.0	
WR	Chhattisgarh	3866	0	82.4	33.3	-1.1	362	0.0
	Gujarat	15051	0	326.2	96.4	2.8	452	0.0
	MP	12072	0	226.5	120.3	-0.6	970	0.0
	Maharashtra	20813	0	439.4	131.3	1.5	554	0.0
	Goa	532	0	10.9	9.9	0.5	78	0.0
	DD	300	0	6.7	6.7	0.0	26	0.0
	DNH	780	0	18.2	18.1	0.2	72	0.0
	Essar steel	625	0	13.9	14.6	-0.7	252	0.0
SR	Andhra Pradesh	8780	0	190.1	88.1	1.1	646	0.0
	Telangana	9916	0	217.3	87.1	0.8	392	0.0
	Karnataka	11760	0	235.1	81.0	1.0	426	0.0
	Kerala	3806	0	75.2	57.3	1.1	169	0.0
	Tamil Nadu	15042	0	318.5	167.4	0.2	505	0.0
	Pondy	379	0	7.6	7.8	-0.2	28	0.0
ER	Bihar	4173	0	72.5	67.2	0.0	460	0.0
	DVC	3203	0	61.3	-48.5	-0.1	396	0.0
	Jharkhand	999	0	17.4	14.1	-3.2	169	0.0
	Odisha	4303	0	76.4	26.0	0.1	267	0.0
	West Bengal	6267	0	111.8	16.8	-3.3	309	0.0
	Sikkim	97	0	1.2	1.8	-0.6	18	0.0
NER	Arunachal Pradesh	132	3	1.9	2.5	-0.6	14	0.0
	Assam	1408	43	23.7	18.8	0.8	108	0.5
	Manipur	186	4	2.7	2.6	0.1	29	0.0
	Meghalaya	371	0	6.5	5.1	0.0	35	0.0
	Mizoram	93	1	1.9	1.5	0.3	8	0.0
	Nagaland	117	2	2.1	1.8	0.2	29	0.0
	Tripura	217	0	3.7	1.6	0.2	40	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-6.5	-19.1
Day peak (MW)	200.7	-294.0	-987.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	166.0	-239.7	153.3	-82.6	4.8	1.8
Actual(MU)	168.0	-249.5	159.1	-82.9	4.8	-0.5
O/D/U/D(MU)	2.0	-9.8	5.9	-0.2	0.0	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5001	12544	6862	1530	641	26578
State Sector	12455	15077	7870	4365	50	39817
Total	17456	27621	14732	5895	690	66394

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	467	1185	554	441	8	2656
Lignite	20	19	51	0	0	90
Hydro	152	24	82	28	3	290
Nuclear	27	31	39	0	0	97
Gas, Naptha & Diesel	19	38	18	0	29	105
RES (Wind, Solar, Biomass & Others)	65	77	145	1	0	288
Total	750	1374	891	470	41	3526

Share of RES in total generation (%)	8.65	5.63	16.28	0.23	0.05	8.18
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.46	9.66	29.95	6.25	7.61	19.16

H. Diversity Factor

All India Demand Diversity Factor	1.042
-----------------------------------	-------

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 : 26-Feb-19
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
								Import=(+ve) /Export =(-ve) for NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	1	402	0.0	6.0	-6.0
2		SASARAM-FATEHPUR	S/C	5	259	0.0	3.1	-3.1
3		GAYA-BALIA	S/C	0	511	0.0	8.3	-8.3
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	148	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	131	0.0	2.4	-2.4
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	589	0.0	8.4	-8.4
9		PATNA-BALIA	Q/C	0	645	0.0	9.9	-9.9
10		BIHARSHARIFF-BALIA	D/C	0	402	0.0	7.5	-7.5
11		MOTIHARI-GORAKHPUR	D/C	0	222	0.0	4.3	-4.3
12		BIHARSHARIFF-VARANASI	D/C	115	173	0.0	1.6	-1.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	140	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	30	0	0.7	0.0	0.7
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
ER-NR						0.7	58.8	-58.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1719	0	27.0	0.0	27.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	315	295	0.0	0.7	-0.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	66	298	0.0	2.6	-2.6
21		RANCHI-SIPAT	D/C	178	57	1.1	0.0	1.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	9	69	0.0	0.9	-0.9
23		BUDHIPADAR-KORBA	D/C	138	0	2.3	0.0	2.3
ER-WR						30.3	4.1	26.2
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2030.0	0.0	40.4	-40.4
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	688.0	0.0	16.0	-16.0
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2450.0	0.0	52.1
27	400 kV	TALCHER-I/C	D/C	0.0	491.0	0.0	7.4	-7.4
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	108.6	-108.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	296	28	3.4	0.0	3
30		ALIPURDUAR-BONGAIGAON	D/C	403	0	5.8	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	54	27	0.5	0.0	1
ER-NER						9.7	0.0	9.7
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	661	0	14.5	0.0	14.5
NER-NR						14.5	0.0	14.5
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	29.3	-29.3
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1550	0.0	31.4	-31.4
36	765 kV	GWALIOR-AGRA	D/C	0	2469	0.0	38.8	-38.8
37		PHAGI-GWALIOR	D/C	0	1116	0.0	17.0	-17.0
38		JABALPUR-ORAI	D/C	0	710	0.0	21.2	-21.2
39		GWALIOR-ORAI	S/C	691	0	11.2	0.0	11.2
40		SATNA-ORAI	S/C	0	1339	0.0	26.4	-26.4
41		400 kV	ZERDA-KANKROLI	S/C	146	82	1.5	0.0
42	ZERDA -BHINMAL		S/C	100	211	0.0	1.8	-1.8
43	V'CHAL -RIHAND		S/C	961	0	20.3	0.0	20.3
44	RAPP-SHUJALPUR		D/C	117	227	0	1	-1
45	220 kV	BADOD-KOTA	S/C	26	29	0.2	0.5	-0.3
46		BADOD-MORAK	S/C	12	123	0.0	1.1	-1.1
47		MEHGAON-AURAIYA	S/C	124	0	1.3	0.0	1.3
48		MALANPUR-AURAIYA	S/C	59	31	0.4	0.0	0.4
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.1	167.9	-126.8
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	21.4	-21.4
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2355	0.0	41.0	-41.0
53		WARDHA-NIZAMABAD	D/C	0	2444	0.0	43.6	-43.6
54	400 kV	KOLHAPUR-KUDGI	D/C	757	14	6.9	0.0	6.9
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	70	1.2	0.0	1.2
WR-SR						8.0	105.9	-97.9
TRANSNATIONAL EXCHANGE								
58		BHUTAN						2.0
59		NEPAL						-6.5
60		BANGLADESH						-19.1