

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

Report for previous day

Date of Reporting 17-Feb-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42542	45874	42852	16794	2358	150420
Peak Shortage (MW)	505	0	0	0	109	614
Energy Met (MU)	877	1063	994	341	42	3317
Hydro Gen (MU)	141	17	75	26	3	261
Wind Gen (MU)	8	41	24	-----	-----	73
Solar Gen (MU)*	25.34	23.61	77.56	0.94	0.02	127
Energy Shortage (MU)	10.1	0.0	0.0	0.0	0.4	10.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44410 19:00	52273 09:33	43515 07:32	18019 18:41	2337 18:28	155120 19:01

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	0.036	0.00	0.02	7.14	7.16	74.41	18.43

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	5271	0	103.6	38.0	-1.3	93	0.0
	Haryana	6134	0	118.4	81.7	0.1	149	0.0
	Rajasthan	11830	0	233.4	63.4	-0.7	227	0.0
	Delhi	3835	0	64.9	56.8	-0.8	194	0.0
	UP	14053	0	246.0	98.8	1.4	616	0.0
	Uttarakhand	1853	0	35.6	21.3	-1.3	78	0.0
	HP	1554	0	28.3	21.5	-0.6	91	0.1
	J&K	2141	535	42.8	44.1	-10.8	212	10.0
	Chandigarh	220	0	3.5	4.0	-0.4	10	0.0
WR	Chhattisgarh	3636	0	70.7	19.8	-3.5	299	0.0
	Gujarat	15052	0	320.9	109.9	2.4	550	0.0
	MP	11211	0	210.3	97.9	-0.8	481	0.0
	Maharashtra	19770	0	413.0	128.1	0.3	497	0.0
	Goa	498	0	11.9	11.4	-0.1	85	0.0
	DD	320	0	7.3	7.1	0.2	29	0.0
	DNH	765	0	18.0	17.9	0.1	42	0.0
	Essar steel	606	0	11.2	11.4	-0.3	259	0.0
	Andhra Pradesh	8424	0	178.1	75.0	1.4	658	0.0
SR	Telangana	8803	0	189.8	62.0	0.6	647	0.0
	Karnataka	11797	0	226.8	77.4	-0.1	468	0.0
	Kerala	3763	0	76.1	58.6	0.7	172	0.0
	Tamil Nadu	14855	0	315.8	173.1	-0.1	438	0.0
	Pondy	365	0	7.5	7.7	-0.1	33	0.0
	Bihar	3911	0	66.3	62.4	-1.4	460	0.0
ER	DVC	3000	0	61.4	-42.0	-0.2	396	0.0
	Jharkhand	1000	0	19.5	13.2	-1.2	169	0.0
	Odisha	3853	0	68.2	18.4	-0.8	267	0.0
	West Bengal	6406	0	124.7	25.4	-0.4	309	0.0
	Sikkim	100	0	1.3	1.5	-0.2	18	0.0
NER	Arunachal Pradesh	114	2	2.2	2.4	-0.3	31	0.0
	Assam	1365	66	23.4	18.6	0.7	76	0.4
	Manipur	177	1	2.5	2.7	-0.3	23	0.0
	Meghalaya	365	0	6.3	5.0	-0.1	45	0.0
	Mizoram	99	2	1.9	1.5	0.2	22	0.0
	Nagaland	127	3	2.1	2.0	0.0	16	0.0
	Tripura	226	0	3.8	2.0	0.2	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.3	-6.8	-18.6
Day peak (MW)	221.4	-312.0	-988.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	153.4	-203.7	126.3	-82.2	5.8	-0.5
Actual(MU)	140.6	-194.6	134.0	-80.5	6.8	6.3
O/D/U/D(MU)	-12.8	9.1	7.6	1.7	1.1	6.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4211	14914	7242	1370	855	28593
State Sector	11155	15086	7420	3875	50	37586
Total	15366	30000	14662	5245	905	66178

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	488	1114	538	438	8	2586
Lignite	20	17	54	0	0	91
Hydro	141	17	75	26	3	261
Nuclear	24	31	36	0	0	91
Gas, Naptha & Diesel	25	30	18	0	28	102
RES (Wind, Solar, Biomass & Others)	64	69	145	1	0	278
Total	761	1279	865	465	39	3409

Share of RES in total generation (%)	8.37	5.38	16.74	0.21	0.05	8.16
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.01	9.17	29.49	5.77	7.32	18.49

H. Diversity Factor

All India Demand Diversity Factor	1.035
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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 :	17-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	0	336	0.0	5.3	-5.3	
2		SASARAM-FATEHPUR	S/C	13	262	0.0	3.0	-3.0	
3		GAYA-BALIA	S/C	0	442	0.0	7.0	-7.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	2	146	0.0	2.3	-2.3	
6	400 kV	PUSAULI-VARANASI	S/C	5	148	0.0	1.8	-1.8	
7		PUSAULI -ALLAHABAD	S/C	41	68	0.0	0.3	-0.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	443	0.0	5.9	-5.9	
9		PATNA-BALIA	Q/C	0	849	0.0	14.2	-14.2	
10		BIHARSHARIFF-BALIA	D/C	0	331	0.0	5.1	-5.1	
11		MOTIHARI-GORAKHPUR	D/C	0	338	0.0	6.1	-6.1	
12		BIHARSHARIFF-VARANASI	D/C	80	141	0.0	1.3	-1.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	151	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	30	0	0.5	0.0	0.5	
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	0.5	54.9	-54.4
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1409	0	17.9	0.0	17.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	311	301	0.9	0.0	0.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	240	81	2.2	0.0	2.2	
21		RANCHI-SIPAT	D/C	189	29	2.2	0.0	2.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	97	0.0	1.3	-1.3	
23		BUDHIPADAR-KORBA	D/C	151	0	1.6	0.0	1.6	
						ER-WR	24.7	1.3	23.4
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1856.0	0.0	36.5	-36.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2450.0	0.0	46.4	-46.4	
27	400 kV	TALCHER-I/C	D/C	0.0	466.0	0.0	4.1	-4.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	98.9	-98.9
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	242	129	1.8	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	341	54	3.8	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	42	66	0.1	0.0	0	
						ER-NER	5.6	0.0	5.6
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	659	0	13.0	0.0	13.0	
						NER-NR	13.0	0.0	13.0
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1005	0.0	23.8	-23.8	
34		VCHAL B/B	D/C	243	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1740	0.0	39.8	-39.8	
36	765 kV	GWALIOR-AGRA	D/C	0	2171	0.0	34.7	-34.7	
37		PHAGI-GWALIOR	D/C	54	761	0.0	9.7	-9.7	
38		JABALPUR-ORAI	D/C	0	566	0.0	15.4	-15.4	
39		GWALIOR-ORAI	S/C	564	0	11.5	0.0	11.5	
40		SATNA-ORAI	S/C	0	1202	0.0	21.3	-21.3	
41	400 kV	ZERDA-KANKROLI	S/C	205	1	3.4	0.0	3.4	
42		ZERDA -BHINMAL	S/C	171	175	0.0	0.4	-0.4	
43		VCHAL -RIHAND	S/C	963	0	18.8	0.0	18.8	
44		RAPP-SHUJALPUR	D/C	196	116	0	0	0	
45	220 kV	BADOD-KOTA	S/C	36	38	0.0	0.0	0.0	
46		BADOD-MORAK	S/C	0	113	0.0	1.3	-1.3	
47		MEHGAON-AURAIYA	S/C	97	0	1.1	0.0	1.1	
48	MALANPUR-AURAIYA	S/C	47	21	0.3	0.0	0.3		
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	41.2	146.4	-105.2
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.2	-23.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	1936	0.0	25.0	-25.0	
53		WARDHA-NIZAMABAD	D/C	0	1993	0.0	29.7	-29.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	733	52	7.9	0.0	7.9	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	1	68	0.0	1.1	-1.1	
57		XELDEM-AMBEWADI	S/C	1	49	0.8	0.0	0.8	
						WR-SR	8.7	79.0	-70.3
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.3	
59		NEPAL						-6.8	
60		BANGLADESH						-18.6	