

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

Report for previous day

Date of Reporting 11-Feb-20

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48741	48880	42783	18321	2410	161135
Peak Shortage (MW)	644	0	0	0	30	674
Energy Met (MU)	984	1166	990	371	41	3552
Hydro Gen (MU)	122	43	67	32	5	269
Wind Gen (MU)	9	74	59	-----	-----	142
Solar Gen (MU)*	38.38	25.50	73.32	1.54	0.04	139
Energy Shortage (MU)	10.9	0.0	0.0	0.0	0.7	11.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49805 18:38	55695 10:57	47862 08:24	19200 18:53	2473 19:42	171206 09:30

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	0.037	0.00	0.08	2.57	2.65	67.74	29.61

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	6429	0	130.1	78.1	-1.2	75	0.0
	Haryana	6899	0	131.9	87.1	1.4	227	0.0
	Rajasthan	13864	0	243.3	71.6	1.7	340	0.0
	Delhi	4052	0	68.5	52.4	-0.8	238	0.0
	UP	16488	0	290.4	123.5	-1.2	521	0.3
	Uttarakhand	2067	0	37.5	19.2	0.2	199	0.0
	HP	1667	0	28.0	23.7	-2.0	95	0.0
	J&K(UT) and Ladakh(UT)	2578	644	50.4	45.1	-0.1	388	10.6
	Chandigarh	255	0	3.9	4.0	-0.1	34	0.0
WR	Chhattisgarh	3490	0	73.7	27.5	-0.9	310	0.0
	Gujarat	15695	0	329.0	91.2	0.1	557	0.0
	MP	14399	0	267.4	126.6	-2.3	1091	0.0
	Maharashtra	22537	0	457.1	134.4	-1.0	748	0.0
	Goa	486	0	9.5	9.3	-0.3	77	0.0
	DD	322	0	7.0	6.6	0.4	87	0.0
	DNH	769	0	17.1	17.3	-0.2	144	0.0
	Essar steel	819	0	5.5	5.4	0.1	311	0.0
	SR	Andhra Pradesh	9130	0	180.7	71.9	0.2	496
Telangana		9867	0	192.4	106.6	1.0	761	0.0
Karnataka		12169	0	231.5	78.4	-1.8	524	0.0
Kerala		3730	0	73.8	61.5	1.5	198	0.0
Tamil Nadu		14368	0	304.3	145.4	0.1	751	0.0
Pondy		371	0	7.5	7.8	-0.3	25	0.0
ER	Bihar	4446	0	77.5	75.7	0.1	210	0.0
	DVC	3269	0	65.9	-38.5	-0.3	300	0.0
	Jharkhand	1308	0	25.9	20.0	-0.2	110	0.0
	Odisha	4198	0	80.6	17.9	0.6	330	0.0
	West Bengal	6393	0	119.7	33.9	0.6	220	0.0
	Sikkim	132	0	1.9	1.8	0.1	35	0.0
NER	Arunachal Pradesh	122	3	2.2	2.1	0.0	26	0.0
	Assam	1413	10	22.1	19.6	0.1	180	0.5
	Manipur	153	3	2.5	2.7	-0.3	55	0.1
	Meghalaya	372	0	6.6	5.7	-0.2	21	0.2
	Mizoram	104	1	1.6	1.4	0.1	46	0.0
	Nagaland	126	3	2.3	1.9	0.2	60	0.0
Tripura	223	1	3.4	1.5	-0.2	34	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.4	-10.8	-12.9
Day peak (MW)	411.6	-584.2	-584.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	244.6	-284.3	111.2	-81.8	9.9	-0.4
Actual(MU)	235.1	-280.4	115.0	-71.6	8.4	6.5
O/D/U/D(MU)	-9.5	3.9	3.8	10.2	-1.5	7.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5813	13823	4872	1560	987	27054
State Sector	12020	14703	7970	6540	11	41244
Total	17833	28525	12842	8100	998	68298

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	485	1223	526	438	7	2680
Lignite	27	15	50	0	0	92
Hydro	122	43	67	32	5	269
Nuclear	24	26	40	0	0	89
Gas, Naptha & Diesel	35	40	18	0	22	115
RES (Wind, Solar, Biomass & Others)	77	111	175	2	0	365
Total	771	1458	876	472	35	3611

Share of RES in total generation (%)	10.05	7.65	19.97	0.34	0.12	10.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.06	12.34	32.12	7.13	13.61	20.04

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.079

Diversity factor = Sum of regional or state-wise 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 :	11-Feb-20
Sl 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)									
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	378	0.0	9.3	-9.3	
1	765kV	GAYA-VARANASI	D/C	65	676	0.0	6.5	-6.5	
2		SASARAM-FATEHPUR	S/C	174	201	0.0	0.8	-0.8	
3		GAYA-BALIA	S/C	0	463	0.0	7.0	-7.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	297	0.0	6.1	-6.1	
7		PUSAULI -ALLAHABAD	S/C	0	167	0.0	3.0	-3.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	156	226	0.0	0.7	-0.7	
9		PATNA-BALIA	Q/C	0	649	0.0	8.9	-8.9	
10		BIHARSHARIFF-BALIA	D/C	14	268	0.0	3.0	-3.0	
11		MOTIHARI-GORAKHPUR	D/C	0	478	0.0	8.2	-8.2	
12		BIHARSHARIFF-VARANASI	D/C	197	160	0.5	0.0	0.5	
13		220 kV	PUSAULI-SAHUPURI	S/C	24	152	0.0	0.8	-0.8
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	0	0	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	1.2	54.1	-52.9
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	5982	0	23.2	0.0	23.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	936	0	12.1	0.0	12.1	
20		JHARSUGUDA-DURG	D/C	999996	96	2.5	0.0	2.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	282	166	1.2	0.0	1.2	
22		RANCHI-SIPAT	D/C	331	0	3.3	0.0	3.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
24		BUDHIPADAR-KORBA	D/C	106	0	1.4	0.0	1.4	
						ER-WR	43.7	0.0	43.7
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	535.0	0.0	12.3	-12.3	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2461.0	0.0	37.6	-37.6	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2313.0	0.0	43.0	-43.0	
28	400 kV	TALCHER-I/C	D/C	749.0	678.0	3.6	0.0	3.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	93.0	-93.0
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	547	0.0	8.0	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	0	708	0.0	10.4	-10	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	136	0.0	1.8	-2	
						ER-NER	0.0	20.2	-20.2
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.0	-11.0	
						NER-NR	0.0	11.0	-11.0
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1	0.0	28.1	-28.1	
35		V'CHAL B/B	D/C	287	250	5.0	0.2	4.8	
36		APL -MHG	D/C	0	1924	0.0	43.3	-43.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2658	0.0	48.4	-48.4	
38		PHAGI-GWALIOR	D/C	0	1667	0.0	24.9	-24.9	
39		JABALPUR-ORAI	D/C	0	1008	0.0	35.4	-35.4	
40		GWALIOR-ORAI	S/C	710	0	11.5	0.0	11.5	
41		SATNA-ORAI	S/C	0	1440	0.0	29.8	-29.8	
42		CHITTORGARH-BANASKANTHA	D/C	152	987	0.0	4.8	-4.8	
43	400 kV	ZERDA-KANKROLI	S/C	144	168	0.3	0.0	0.3	
44		ZERDA -BHINMAL	S/C	163	376	0.0	1.7	-1.7	
45		V'CHAL -RIHAND	S/C	985	0	22.5	0.0	22.5	
46		RAPP-SHUJALPUR	D/C	80	382	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	34	65	0.5	0.2	0.3	
48		BHANPURA-MORAK	S/C	29	101	0.1	0.9	-0.8	
49		MEHGAON-AURAIYA	S/C	92	0	1.4	0.0	1.4	
50	132kV	MALANPUR-AURAIYA	S/C	47	13	0.5	0.0	0.5	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	41.8	219.5	-177.7
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1002	0.0	19.6	-19.6	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	575	1937	1.0	21.5	-20.5	
55		WARDHA-NIZAMABAD	D/C	0	2389	0.0	35.4	-35.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	957	0	12.1	0.0	12.1	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	123	0.0	0.5	-0.5	
59		XELDEM-AMBEWADI	S/C	1	84	1.2	0.0	1.2	
						WR-SR	14.2	77.0	-62.8
TRANSNATIONAL EXCHANGE									
60		BHUTAN						2.4	
61		NEPAL						-10.8	
62		BANGLADESH						-12.9	