

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

Report for previous day

Date of Reporting 29-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)	42979	50488	44622	16927	2369	157385
Peak Shortage (MW)	581	0	0	0	25	606
Energy Met (MU)	938	1231	1125	348	40	3683
Hydro Gen (MU)	139	50	107	29	6	332
Wind Gen (MU)	29	28	57	-----	-----	115
Solar Gen (MU)*	38.30	23.90	93.28	1.54	0.02	157
Energy Shortage (MU)	11.6	0.0	0.0	0.0	1.3	12.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47862 08:23	58215 11:01	52999 07:14	17955 18:47	2405 18:27	174625 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	0.034	0.00	0.34	5.05	5.38	76.83	17.79

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	5609	0	113.0	74.0	-1.2	127	0.0
	Haryana	6063	0	123.0	89.0	0.1	287	0.0
	Rajasthan	13961	0	246.2	62.9	-2.7	260	0.0
	Delhi	3599	0	63.8	47.9	-0.4	177	0.0
	UP	13625	0	274.9	114.8	0.4	962	0.0
	Uttarakhand	1936	0	36.0	16.7	0.7	132	0.0
	HP	1668	0	28.8	22.1	-0.5	167	0.0
	J&K(UT) and Ladakh(UT)	2324	581	49.0	43.0	-0.2	229	11.5
	Chandigarh	211	0	3.5	3.4	0.0	14	0.0
WR	Chhattisgarh	3781	0	81.9	37.1	-2.3	732	0.0
	Gujarat	16452	0	362.0	101.3	3.5	566	0.0
	MP	13492	0	252.9	129.3	-3.4	279	0.0
	Maharashtra	23737	0	492.9	143.1	-0.7	393	0.0
	Goa	516	0	11.1	10.8	-0.2	35	0.0
	DD	329	0	7.4	6.9	0.5	36	0.0
	DNH	811	0	18.5	19.1	-0.6	41	0.0
	Essar steel	719	0	4.0	4.8	-0.8	222	0.0
	SR	Andhra Pradesh	9778	0	200.7	76.2	0.1	528
Telangana		13168	0	254.0	135.9	0.9	730	0.0
Karnataka		12876	0	253.3	78.4	-0.7	493	0.0
Kerala		3856	0	80.5	63.1	1.6	214	0.0
Tamil Nadu		15128	0	329.1	167.2	0.6	676	0.0
Pondy		371	0	7.8	8.1	-0.3	28	0.0
ER	Bihar	3847	0	69.8	68.2	-0.1	267	0.0
	DVC	3038	0	63.7	-32.9	0.4	248	0.0
	Jharkhand	1300	0	23.8	16.2	-0.6	61	0.0
	Odisha	3661	0	69.5	2.1	0.2	197	0.0
	West Bengal	6381	0	119.9	29.5	-0.7	443	0.0
	Sikkim	122	0	1.6	1.8	-0.2	38	0.0
NER	Arunachal Pradesh	120	1	2.1	2.0	-0.1	61	0.0
	Assam	1347	0	22.7	18.7	0.0	87	1.0
	Manipur	196	1	2.6	2.8	-0.2	37	0.0
	Meghalaya	333	0	5.8	4.5	0.0	40	0.2
	Mizoram	98	2	1.7	1.5	0.0	19	0.0
	Nagaland	137	1	2.2	2.0	0.1	38	0.0
Tripura	219	1	3.5	1.7	-0.1	45	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-10.2	-9.5
Day peak (MW)	266.6	-538.3	-742.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	202.9	-261.8	156.2	-108.3	11.1	0.0
Actual(MU)	195.1	-255.4	172.2	-116.8	13.4	8.4
O/D/U/D(MU)	-7.8	6.5	16.0	-8.5	2.3	8.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5581	12025	5962	1160	1090	25818
State Sector	14880	13410	7805	4806	11	40912
Total	20461	25434	13767	5966	1101	66729

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	468	1244	550	462	10	2734
Lignite	22	7	45	0	0	74
Hydro	139	50	107	29	6	332
Nuclear	19	37	45	0	0	100
Gas, Naptha & Diesel	31	84	17	0	15	147
RES (Wind, Solar, Biomass & Others)	94	62	187	2	0	344
Total	772	1483	951	493	32	3731

Share of RES in total generation (%)	12.14	4.15	19.66	0.32	0.06	9.22
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.63	10.01	35.63	6.26	19.71	20.81

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.058

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 : 29-Feb-20

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)									
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	251	0.0	5.9	-5.9	
1	765kV	GAYA-VARANASI	D/C	0	822	0.0	10.4	-10.4	
2		SASARAM-FATEHPUR	S/C	41	325	0.0	3.5	-3.5	
3		GAYA-BALIA	S/C	0	461	0.0	6.9	-6.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	209	0.0	4.1	-4.1	
7		PUSAULI -ALLAHABAD	S/C	0	116	0.0	2.0	-2.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	203	460	0.0	0.9	-0.9	
9		PATNA-BALIA	Q/C	0	775	0.0	8.8	-8.8	
10		BIHARSHARIFF-BALIA	D/C	50	336	0.0	2.8	-2.8	
11		MOTIHARI-GORAKHPUR	D/C	0	607	0.0	10.1	-10.1	
12		BIHARSHARIFF-VARANASI	D/C	194	259	0.1	0.0	0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	136	0.0	2.4	-2.4	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4	
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	0.5	57.9	-57.4
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1750	0	35.6	0.0	35.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	868	44	7.9	0.0	7.9	
20		JHARSUGUDA-DURG	D/C	0	22	0.7	0.0	0.7	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	136	236	0.0	1.9	-1.9	
22		RANCHI-SIPAT	D/C	257	43	2.5	0.0	2.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	8	103	0.0	1.2	-1.2	
24		BUDHIPADAR-KORBA	D/C	172	0	2.5	0.0	2.5	
						ER-WR	49.2	3.1	46.1
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	699.0	0.0	16.6	-16.6	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2462.0	0.0	52.1	-52.1	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	3289.0	0.0	61.1	-61.1	
28	400 kV	TALCHER-I/C	D/C	0.0	906.0	0.0	7.4	-7.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	129.9	-129.9
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	593	0.0	9.4	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	0	893	0.0	14.6	-15	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	165	0.0	2.6	-3	
						ER-NER	0.0	26.5	-26.5
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	169	0.0	1.7	-1.7	
35		VCHAL B/B	D/C	450	103	3.9	0.0	3.9	
36		APL -MHG	D/C	0	1458	0.0	36.2	-36.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2692	0.0	42.1	-42.1	
38		PHAGI-GWALIOR	D/C	0	1510	0.0	24.5	-24.5	
39		JABALPUR-ORAI	D/C	0	1015	0.0	14.4	-14.4	
40		GWALIOR-ORAI	S/C	607	0	10.8	0.0	10.8	
41		SATNA-ORAI	S/C	0	1530	0.0	28.4	-28.4	
42		CHITTORGARH-BANASKANTHA	D/C	289	682	1.1	5.7	-4.6	
43		ZERDA-KANKROLI	S/C	195	121	1.0	0.0	1.0	
44	400 kV	ZERDA -BHINMAL	S/C	411	226	1.9	0.0	1.9	
45		VCHAL-RIHAND	S/C	980	0	23.0	0.0	23.0	
46		RAPP-SHUJALPUR	D/C	173	382	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	0	119	0.3	1.0	-0.7	
48		BHANPURA-MORAK	S/C	14	178	0.0	1.7	-1.7	
49		MEHGAON-AURAIYA	S/C	94	0	1.2	0.0	1.2	
50		MALANPUR-AURAIYA	S/C	51	22	0.4	0.1	0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.7	156.9	-113.3
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	508	0.0	12.2	-12.2	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2911	0.0	40.1	-40.1	
55		WARDHA-NIZAMABAD	D/C	0	3523	0.0	50.8	-50.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	957	0	11.5	0.0	11.5	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	1	63	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	0	107	2.0	0.0	2.0	
						WR-SR	13.5	104.1	-90.6
TRANSNATIONAL EXCHANGE									
60		BHUTAN						1.8	
61		NEPAL						-10.2	
62		BANGLADESH						-9.5	