

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

Report for previous day

Date of Reporting

2-May-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51475	46853	38357	20354	2236	159275
Peak Shortage (MW)	522	0	0	0	184	706
Energy Met (MU)	1160	1201	898	447	37	3742
Hydro Gen (MU)	261	38	47	86	14	445
Wind Gen (MU)	13	86	147	-----	-----	247
Solar Gen (MU)*	25.04	25.35	68.03	2.67	0.03	121
Energy Shortage (MU)	10.4	0.0	0.0	0.0	6.7	17.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54941 22:38	55611 00:17	38998 00:00	21718 00:08	2229 18:40	171004 00:00

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	0.056	0.00	0.00	1.70	1.70	56.83	41.47

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	7129	0	134.3	71.2	-2.5	38	0.0
	Haryana	8204	0	155.2	114.4	1.1	293	0.0
	Rajasthan	10482	0	232.4	72.8	1.7	449	0.0
	Delhi	5608	0	114.2	97.3	-0.9	143	0.0
	UP	19643	0	408.7	182.3	0.1	395	0.0
	Uttarakhand	1771	0	40.2	18.1	-2.0	132	0.0
	HP	1245	0	25.7	5.1	1.2	139	0.0
	J&K	2190	548	43.7	23.5	-0.4	431	10.4
	Chandigarh	264	0	5.1	5.6	-0.5	12	0.0
WR	Chhattisgarh	4487	0	103.7	55.7	-3.4	326	0.0
	Gujarat	16997	0	380.2	119.4	3.1	533	0.0
	MP	9673	0	218.4	104.6	-0.9	361	0.0
	Maharashtra	21131	0	456.0	131.0	0.3	920	0.0
	Goa	541	0	13.5	10.1	2.7	68	0.0
	DD	314	0	5.4	5.0	0.4	41	0.0
	DNH	769	0	17.4	17.5	-0.1	75	0.0
	Essar steel	395	0	6.7	6.1	0.5	338	0.0
	SR	Andhra Pradesh	8070	0	176.4	39.3	-0.5	499
Telangana		7221	0	160.9	47.1	-0.6	652	0.0
Karnataka		9120	0	180.6	58.2	-0.4	509	0.0
Kerala		3735	0	74.8	54.0	1.5	229	0.0
Tamil Nadu		13172	0	298.4	124.8	-0.2	729	0.0
Pondy		392	0	6.6	7.5	-0.9	63	0.0
ER	Bihar	5116	0	102.1	94.4	2.1	250	0.0
	DVC	3138	0	62.3	-41.9	-2.2	250	0.0
	Jharkhand	1000	0	23.2	13.9	-1.1	100	0.0
	Odisha	4634	0	97.1	31.6	4.3	500	0.0
	West Bengal	8179	0	161.2	47.7	1.5	300	0.0
	Sikkim	73	0	0.9	1.2	-0.4	35	0.0
NER	Arunachal Pradesh	127	0	2.2	3.2	-1.0	14	0.0
	Assam	1265	152	18.7	14.3	0.4	124	6.5
	Manipur	155	2	2.4	2.1	0.3	36	0.0
	Meghalaya	303	0	4.9	3.2	0.2	86	0.1
	Mizoram	92	1	1.7	1.7	-0.1	9	0.0
	Nagaland	117	2	2.1	1.9	0.1	33	0.0
	Tripura	281	0	4.9	5.1	-0.2	79	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.7	-7.8	-22.6
Day peak (MW)	813.9	-446.8	-1032.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	229.9	-239.7	67.4	-52.5	-6.5	-1.4
Actual(MU)	224.3	-241.9	63.8	-37.0	-9.5	-0.3
O/D/U/D(MU)	-5.6	-2.2	-3.6	15.4	-3.1	1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4857	11529	7602	2060	60	26108
State Sector	7950	14609	7790	2985	50	33384
Total	12807	26138	15392	5045	110	59492

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	546	1205	445	417	11	2623
Lignite	18	12	41	0	0	71
Hydro	261	38	47	86	14	445
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	36	42	15	0	27	120
RES (Wind, Solar, Biomass & Others)	67	118	246	3	0	434
Total	955	1445	831	505	52	3788

Share of RES in total generation (%)	7.03	8.15	29.65	0.54	0.06	11.46
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.22	12.91	39.69	17.46	27.10	25.71

H. Diversity Factor

All India Demand Diversity Factor	1.015
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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 : 2-May-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	32	371	0.0	4.5	-4.5
2		SASARAM-FATEHPUR	S/C	21	345	0.0	4.3	-4.3
3		GAYA-BALIA	S/C	0	249	0.0	3.8	-3.8
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	89	0.0	1.4	-1.4
7		PUSAULI -ALLAHABAD	S/C	26	16	0.3	0.0	0.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1227	0.0	20.6	-20.6
9		PATNA-BALIA	Q/C	0	1046	0.0	18.2	-18.2
10		BIHARSHARIFF-BALIA	D/C	0	552	0.0	9.6	-9.6
11		MOTIHARI-GORAKHPUR	D/C	0	348	0.0	5.4	-5.4
12		BIHARSHARIFF-VARANASI	D/C	3	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	221	0.0	4.0	-4.0
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	0	0	0.0	0.0	0.0
ER-NR						0.7	73.0	-72.3
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1495	0	29.7	0.0	29.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	658	0	9.8	0.0	9.8
20		JHARSUGUDA-DURG	D/C	132	17	1.9	0.0	1.9
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	104	133	0.2	0.0	0.2
22		RANCHI-SIPAT	D/C	227	0	3.3	0.0	3.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	147	0.0	2.4	-2.4
24		BUDHIPADAR-KORBA	D/C	135	0	2.1	0.0	2.1
ER-WR						47.0	2.4	44.6
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1457.0	0.0	26.0	-26.0
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	668.0	0.0	11.3	-11.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1601.0	0.0	30.6	-30.6
28	400 kV	TALCHER-I/C	D/C	513.0	154.0	5.1	0.0	5.1
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	67.8	-67.8
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	529	0	8.9	0.0	9
31		ALIPURDUAR-BONGAIGAON	D/C	649	0	11.6	0.0	12
32	220 kV	ALIPURDUAR-SALAKATI	D/C	112	0	1.6	0.0	2
ER-NER						22.1	0.0	22.1
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	646	0	11.9	0.0	11.9
NER-NR						11.9	0.0	11.9
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2001	0.0	35.5	-35.5
35		V'CHAL B/B	D/C	242	0	6.1	0.0	6.1
36		APL -MHG	D/C	0	1353	0.0	29.1	-29.1
37	765 kV	GWALIOR-AGRA	D/C	0	2532	0.0	48.8	-48.8
38		PHAGI-GWALIOR	D/C	0	1297	0.0	22.8	-22.8
39		JABALPUR-ORAI	D/C	0	866	0.0	31.4	-31.4
40		GWALIOR-ORAI	S/C	534	0	11.3	0.0	11.3
41		SATNA-ORAI	S/C	0	1396	0.0	29.0	-29.0
42		CHITORGARH-BANASKANTHA	D/C	488	566	0.0	3.0	3.0
43		ZERDA-KANKROLI	S/C	215	55	1.6	0.0	1.6
44	400 kV	ZERDA -BHINMAL	S/C	66	151	0.0	1.4	-1.4
45		V'CHAL -RIHAND	S/C	960	0	22.2	0.0	22.2
46	220 kV	RAPP-SHUJALPUR	D/C	0	304	0	2	-2
47		BHANPURA-KOTA	S/C	34	45	0.0	1.0	-1.0
48		BHANPURA-MORAK	S/C	0	112	0.0	1.8	-1.8
49	132kV	MEHGAON-AURAIYA	S/C	44	4	0.4	0.0	0.4
50		MALANPUR-AURAIYA	S/C	11	41	0.0	0.3	-0.3
51	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						41.6	206.0	-158.4
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	985	0.0	13.7	-13.7
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	424	1289	0.0	10.3	-10.3
55		WARDHA-NIZAMABAD	D/C	0	1458	0.0	20.7	-20.7
56	400 kV	KOLHAPUR-KUDGI	D/C	733	0	10.5	0.0	10.5
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	59	1.2	0.0	1.2
WR-SR						11.7	44.6	-32.9
TRANSNATIONAL EXCHANGE								
60		BHUTAN						12.7
61		NEPAL						-7.8
62		BANGLADESH						-22.6