

Report for previous day

Date of Reporting

2-Jul-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)	60971	43678	40454	19394	2752	167249
Peak Shortage (MW)	1203	0	0	0	189	1392
Energy Met (MU)	1493	1000	919	438	53	3902
Hydro Gen (MU)	364	12	40	87	21	524
Wind Gen (MU)	36	95	184	-----	-----	314
Solar Gen (MU)*	28.99	19.02	58.93	0.88	0.04	108
Energy Shortage (MU)	14.1	0.0	0.0	0.0	1.1	15.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	66392 15:11	45930 19:37	40582 19:45	20385 00:00	2806 19:53	171279 20:29

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	0.00	7.31	7.31	73.53	19.16

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	13027	0	290.1	143.2	-1.9	141	0.0
	Haryana	10699	0	228.1	162.3	-0.2	154	0.0
	Rajasthan	11399	0	247.9	70.6	-2.1	486	0.0
	Delhi	7135	0	145.2	122.0	0.9	313	0.1
	UP	21165	410	454.3	214.3	2.5	594	3.5
	Uttarakhand	2158	0	46.5	18.5	0.9	121	0.0
	HP	1444	12	29.6	1.4	-0.6	110	0.0
	J&K	2150	538	44.4	21.1	-1.8	226	10.5
WR	Chandigarh	376	0	7.2	8.0	-0.8	5	0.0
	Chhattisgarh	3442	0	80.8	28.8	-1.1	600	0.0
	Gujarat	15189	0	330.7	67.4	3.1	557	0.0
	MP	7987	0	172.7	91.0	0.0	484	0.0
	Maharashtra	16937	0	376.7	99.0	-2.8	468	0.0
	Goa	541	0	10.0	10.6	-1.1	76	0.0
	DD	298	0	6.6	6.3	0.2	28	0.0
	DNH	744	0	17.4	17.6	-0.2	46	0.0
SR	Essar steel	249	0	4.7	4.2	0.5	289	0.0
	Andhra Pradesh	7940	0	169.9	5.3	-0.8	575	0.0
	Telangana	6910	0	144.8	53.7	1.0	638	0.0
	Karnataka	9322	0	184.6	64.8	0.0	558	0.0
	Kerala	3831	0	76.4	61.3	2.0	222	0.0
	Tamil Nadu	15477	0	334.9	140.7	2.6	719	0.0
	Pondy	418	0	8.4	8.5	-0.1	63	0.0
	Bihar	5392	0	104.7	100.6	1.6	350	0.0
ER	DVC	3111	0	64.6	-45.1	-1.3	300	0.0
	Jharkhand	1070	0	23.4	15.2	-0.2	150	0.0
	Odisha	3434	0	76.5	20.1	0.4	500	0.0
	West Bengal	8493	0	167.6	52.5	1.4	330	0.0
	Sikkim	89	0	1.1	1.4	-0.3	30	0.0
NER	Arunachal Pradesh	124	2	2.3	2.6	-0.4	50	0.0
	Assam	1764	136	33.0	27.2	0.7	187	1.0
	Manipur	172	2	2.5	2.4	0.2	35	0.0
	Meghalaya	310	0	5.6	1.6	-0.3	66	0.0
	Mizoram	93	3	1.9	1.2	0.5	10	0.0
	Nagaland	126	1	2.3	2.4	-0.1	18	0.0
	Tripura	275	2	5.3	4.2	-0.1	47	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	18.0	-9.8	-23.2
Day peak (MW)	782.0	-528.2	-1060.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	336.4	-267.2	10.9	-77.0	-3.5	-0.4
Actual(MU)	336.9	-264.2	10.9	-83.4	-3.6	-3.4
O/D/U/D(MU)	0.5	3.0	0.0	-6.4	-0.1	-3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4215	17908	8002	1720	103	31947
State Sector	4985	15481	8640	2880	50	32036
Total	9200	33389	16642	4600	152	63983

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	658	1073	466	465	12	2674
Lignite	17	17	45	0	0	79
Hydro	364	12	40	87	21	524
Nuclear	27	30	55	0	0	112
Gas, Naptha & Diesel	31	40	13	0	28	112
RES (Wind, Solar, Biomass & Others)	82	120	276	1	0	479
Total	1179	1292	895	553	61	3980

Share of RES in total generation (%)	6.92	9.31	30.85	0.16	0.07	12.03
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.11	12.57	41.42	15.85	34.05	28.00

H. Diversity Factor

All India Demand Diversity Factor	1.028
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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-Jul-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)
<b>Import/Export of ER (With NR)</b>								
1	765kV	GAYA-VARANASI	D/C	0	475	0.0	7.2	-7.2
2		SASARAM-FATEHPUR	S/C	278	69	2.1	0.0	2.1
3		GAYA-BALIA	S/C	0	602	0.0	12.0	-12.0
4		ALIPURDUAR-AGRA	-	0	1401	0.0	27.7	-27.7
5		PUSAULI B/B	S/C	0	346	0.0	8.3	-8.3
6	400 kV	PUSAULI-VARANASI	S/C	0	283	0.0	6.1	-6.1
7		PUSAULI -ALLAHABAD	S/C	0	109	0.0	2.0	-2.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	567	0.0	9.7	-9.7
9		PATNA-BALIA	Q/C	0	1149	0.0	22.0	-22.0
10		BIHARSHARIFF-BALIA	D/C	0	435	0.0	8.7	-8.7
11		MOTIHARI-GORAKHPUR	D/C	295	0	6.1	0.0	6.1
12		BIHARSHARIFF-VARANASI	D/C	148	40	1.3	0.0	1.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	201	0.0	3.7	-3.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	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
<b>ER-NR</b>						<b>10.0</b>	<b>107.5</b>	<b>-97.5</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	614	73	7.5	0.0	7.5
19		NEW RANCHI-DHARAMAJGARH	D/C	1284	0	19.8	0.0	19.8
20		JHARSUGUDA-DURG	D/C	172	72	0.8	0.0	0.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	341	36	3.6	0.0	3.6
22		RANCHI-SIPAT	D/C	470	0	5.8	0.0	5.8
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	100	0.0	1.4	-1.4
24		BUDHIPADAR-KORBA	D/C	149	0	2.6	0.0	2.6
<b>ER-WR</b>						<b>40.0</b>	<b>1.4</b>	<b>38.6</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1323.0	0.0	23.0	-23.0
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	312.0	0.0	7.2	-7.2
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1184.0	0.0	23.2	-23.2
28	400 kV	TALCHER-I/C	D/C	596.0	0.0	9.3	0.0	9.3
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>53.5</b>	<b>-53.5</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	561	0.0	9.7	-10
31		ALIPURDUAR-BONGAIGAON	D/C	323	166	0.5	0.0	1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	92	0.0	1.4	-1
<b>ER-NER</b>						<b>0.5</b>	<b>11.1</b>	<b>-10.6</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	14.3	-14.3
<b>NER-NR</b>						<b>0.0</b>	<b>14.3</b>	<b>-14.3</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3015	0.0	65.3	-65.3
35		V'CHAL B/B	D/C	0	493	0.0	6.3	-6.3
36		APL -MHG	D/C	0	1915	0.0	44.7	-44.7
37	765 kV	GWALIOR-AGRA	D/C	0	2611	0.0	51.6	-51.6
38		PHAGI-GWALIOR	D/C	0	1107	0.0	21.5	-21.5
39		JABALPUR-ORAI	D/C	0	1005	0.0	39.7	-39.7
40		GWALIOR-ORAI	S/C	412	0	8.4	0.0	8.4
41		SATNA-ORAI	S/C	0	1445	0.0	13.7	-13.7
42		CHITTORGARH-BANASKANTHA	D/C	357	419	0.0	1.8	1.8
43		ZERDA-KANKROLI	S/C	180	26	1.3	0.0	1.3
44	400 kV	ZERDA -BHINMAL	S/C	313	72	2.9	0.1	2.8
45		V'CHAL -RIHAND	S/C	978	0	22.4	0.0	22.4
46		RAPP-SHUJALPUR	D/C	13	284	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	24	49	0.1	0.4	-0.3
48		BHANPURA-MORAK	S/C	0	96	0.0	1.2	-1.2
49		MEHGAON-AURAIYA	S/C	34	24	0.2	0.2	0.0
50		MALANPUR-AURAIYA	S/C	4	54	0.0	0.7	-0.7
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>35.2</b>	<b>249.4</b>	<b>-210.5</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	302	0.0	6.1	-6.1
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	677	803	0.0	1.4	-1.4
55		WARDHA-NIZAMABAD	D/C	67	1313	0.0	13.0	-13.0
56	400 kV	KOLHAPUR-KUDGI	D/C	970	0	11.8	0.0	11.8
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	72	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	1	41	0.7	0.0	0.7
<b>WR-SR</b>						<b>12.5</b>	<b>21.8</b>	<b>-9.3</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>18.0</b>
61		NEPAL						<b>-9.8</b>
62		BANGLADESH						<b>-23.2</b>