

Report for previous day

Date of Reporting

28-Aug-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)	58609	44767	41494	21815	2925	169610
Peak Shortage (MW)	1846	0	0	0	133	1979
Energy Met (MU)	1340	1040	966	456	57	3859
Hydro Gen (MU)	366	101	111	136	19	733
Wind Gen (MU)	10	69	151	-----	-----	230
Solar Gen (MU)*	25.82	14.5	83.39	2.22	-----	126
Energy Shortage (MU)	19.2	0.0	0.0	0.0	1.6	20.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60030 22:46	46383 11:57	40622 12:08	21546 20:59	2918 19:59	167995 19:32

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	0.024	0.00	0.00	3.30	3.30	80.60	16.10

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	11243	0	256.7	138.1	-1.7	72	0.0
	Haryana	9477	63	204.4	163.6	0.7	266	2.2
	Rajasthan	10459	0	232.4	76.3	-2.9	638	0.0
	Delhi	6058	0	121.6	101.0	0.8	280	0.0
	UP	19691	890	405.5	172.0	0.1	526	7.1
	Uttarakhand	1976	35	43.6	15.3	0.7	110	0.1
	HP	1445	0	29.4	-2.7	-0.4	103	0.0
	J&K	1954	488	40.8	18.2	-0.3	224	9.7
WR	Chandigarh	326	0	6.1	6.4	-0.3	3	0.0
	Chhattisgarh	3898	0	87.7	31.9	-0.3	521	0.0
	Gujarat	14141	0	313.0	70.2	3.8	1619	0.0
	MP	7687	0	169.2	82.5	-1.3	647	0.0
	Maharashtra	19470	0	429.0	133.5	0.0	565	0.0
	Goa	541	0	10.2	10.6	-1.0	36	0.0
	DD	338	0	7.6	7.0	0.6	98	0.0
	DNH	799	0	18.8	18.8	0.0	130	0.0
SR	Essar steel	320	0	5.4	5.5	-0.1	306	0.0
	Andhra Pradesh	8471	0	184.6	32.4	2.1	702	0.0
	Telangana	10617	0	225.4	114.1	3.9	974	0.0
	Karnataka	9395	0	182.3	33.1	-0.9	510	0.0
	Kerala	3293	0	63.4	41.3	1.1	210	0.0
	Tamil Nadu	14147	0	302.4	114.6	-1.3	600	0.0
	Pondy	400	0	8.2	8.2	0.0	35	0.0
	Bihar	5658	0	111.8	109.1	-1.5	30	0.0
ER	DVC	2916	0	62.6	-30.4	-1.2	100	0.0
	Jharkhand	1188	0	24.8	15.9	-0.4	50	0.0
	Odisha	4379	0	88.5	24.9	2.1	400	0.0
	West Bengal	8514	0	167.1	86.3	2.7	200	0.0
	Sikkim	94	0	0.9	1.3	-0.5	5	0.0
NER	Arunachal Pradesh	124	2	2.3	2.0	0.3	67	0.0
	Assam	1896	78	37.0	32.2	0.3	160	1.5
	Manipur	172	3	2.6	2.4	0.2	37	0.0
	Meghalaya	322	0	5.2	1.2	-0.1	64	0.0
	Mizoram	92	1	1.7	0.3	0.4	54	0.0
	Nagaland	128	2	2.3	2.2	-0.2	46	0.0
	Tripura	325	14	5.6	4.3	0.9	77	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	38.8	-6.7	-25.8
Day peak (MW)	1781.1	-402.2	-1124.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.9	-258.5	29.0	-43.4	11.4	0.4
Actual(MU)	248.4	-244.0	27.7	-44.0	8.0	-3.9
O/D/U/D(MU)	-13.5	14.5	-1.3	-0.6	-3.4	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3214	16667	8082	1895	791	30649
State Sector	7535	19681	10520	7510	50	45295
Total	10749	36347	18602	9405	841	75944

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	599	1031	438	375	10	2455
Lignite	20	12	48	0	0	81
Hydro	366	101	111	136	19	733
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	35	40	16	0	21	112
RES (Wind, Solar, Biomass & Others)	53	90	276	2	0	422
Total	1101	1306	945	514	51	3916

Share of RES in total generation (%)	4.83	6.92	29.24	0.44	0.08	10.78
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.55	17.04	46.77	26.94	37.18	32.38

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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 : 28-Aug-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	224	304	0.0	2.2	-2.2	
2		SASARAM-FATEHPUR	S/C	289	88	1.5	0.0	1.5	
3		GAYA-BALIA	S/C	0	353	0.0	6.5	-6.5	
4		ALIPURDUAR-AGRA	-	0	1001	0.0	20.3	-20.3	
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	210	0.0	4.0	-4.0	
7		PUSAULI -ALLAHABAD	S/C	2	59	0.0	0.6	-0.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	853	0.0	10.5	-10.5	
9		PATNA-BALIA	Q/C	0	767	0.0	15.4	-15.4	
10		BIHARSHARIFF-BALIA	D/C	0	312	0.0	4.7	-4.7	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	283	70	2.3	0.0	2.3	
13		PUSAULI-SAHUPURI	S/C	0	210	0.0	3.6	-3.6	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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>4.3</b>	<b>72.5</b>	<b>-68.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2040	0	31.3	0.0	31.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1119	0	17.5	0.0	17.5	
20		JHARSUGUDA-DURG	D/C	407	0	5.5	0.0	5.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	434	0	7.1	0.0	7.1	
22		RANCHI-SIPAT	D/C	392	0	5.2	0.0	5.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	79	0.0	1.1	-1.1	
24		BUDHIPADAR-KORBA	D/C	191	0	2.8	0.0	2.8	
<b>ER-WR</b>						<b>69.3</b>	<b>1.1</b>	<b>68.2</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1787.0	0.0	27.8	-27.8	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	311.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	989.0	0.0	19.2	-19.2	
28	400 kV	TALCHER-I/C	D/C	138.0	429.0	0.0	4.7	-4.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>7.4</b>	<b>47.0</b>	<b>-39.6</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	689	0.0	11.8	-12	
31		ALIPURDUAR-BONGAIGAON	D/C	0	466	0.0	7.2	-7	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	140	0.0	2.7	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>21.7</b>	<b>-21.7</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	11.4	-11.4	
<b>NER-NR</b>						<b>0.0</b>	<b>11.4</b>	<b>-11.4</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2000	0.0	37.0	-37.0	
35		V'CHAL B/B	D/C	363	0	9.8	0.0	9.8	
36		APL -MHG	D/C	0	1174	0.0	29.2	-29.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2504	0.0	48.4	-48.4	
38		PHAGI-GWALIOR	D/C	0	1140	0.0	19.0	-19.0	
39		JABALPUR-ORAI	D/C	0	879	0.0	32.3	-32.3	
40		GWALIOR-ORAI	S/C	385	0	7.5	0.0	7.5	
41		SATNA-ORAI	S/C	0	1324	0.0	28.0	-28.0	
42		CHITTORGARH-BANASKANTHA	D/C	0	1058	0.0	11.6	11.6	
43	400 kV	ZERDA-KANKROLI	S/C	4	187	0.0	1.9	-1.9	
44		ZERDA -BHINMAL	S/C	66	373	0.0	4.5	-4.5	
45		V'CHAL -RIHAND	S/C	974	0	24.2	0.0	24.2	
46		RAPP-SHUJALPUR	D/C	0	391	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	27	47	0.1	0.4	-0.3	
48		BHANPURA-MORAK	S/C	0	98	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	63	7	0.3	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	19	51	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>41.8</b>	<b>216.9</b>	<b>-151.8</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	189	312	2.8	3.1	-0.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1305	836	5.4	0.0	5.4	
55		WARDHA-NIZAMABAD	D/C	1793	2105	0.0	28.7	-28.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	1295	0	20.9	0.0	20.9	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	66	0.0	0.0	0.0	
59		XELDEM-AMBEWADI	S/C	0	38	0.0	0.0	0.0	
<b>WR-SR</b>						<b>29.0</b>	<b>31.7</b>	<b>-2.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>38.8</b>	
61		NEPAL						<b>-6.7</b>	
62		BANGLADESH						<b>-25.8</b>	