

Report for previous day

Date of Reporting

14-Oct-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 1900 hrs; from RLDCs)	45175	45517	35554	20042	2606	148894
Peak Shortage (MW)	491	0	0	0	88	579
Energy Met (MU)	986	1045	829	403	47	3309
Hydro Gen (MU)	176	71	136	112	15	509
Wind Gen (MU)	4	16	12	-----	-----	32
Solar Gen (MU)*	27.07	23.3	71.08	2.08	0.05	124
Energy Shortage (MU)	11.4	0.0	0.0	0.0	0.9	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47666 19:15	45809 18:53	36232 18:37	20129 18:49	2640 18:00	151084 18:53

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	0.022	0.00	0.00	0.68	0.68	78.59	20.73

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	6259	0	140.8	69.1	-1.2	144	0.0
	Haryana	6716	0	146.0	115.2	1.2	169	0.0
	Rajasthan	9354	0	202.3	65.3	-1.4	227	0.0
	Delhi	3731	0	80.2	63.7	-1.0	90	0.0
	UP	16580	0	316.4	133.1	1.9	772	2.2
	Uttarakhand	1604	0	33.4	13.7	0.5	187	0.0
	HP	1315	0	25.6	11.2	0.7	106	0.0
	J&K	2202	551	38.6	31.4	-1.8	214	9.2
WR	Chandigarh	173	0	3.2	3.6	-0.3	0	0.0
	Chhattisgarh	3797	0	87.7	35.0	0.9	297	0.0
	Gujarat	14340	0	320.9	61.1	2.9	593	0.0
	MP	8218	0	178.2	113.8	-1.5	283	0.0
	Maharashtra	18367	0	413.6	145.9	-2.0	380	0.0
	Goa	541	0	12.8	10.8	1.4	44	0.0
	DD	309	0	7.1	6.5	0.6	47	0.0
	DNH	750	0	17.6	17.6	0.0	30	0.0
SR	Essar steel	371	0	7.0	5.6	1.4	352	0.0
	Andhra Pradesh	7384	0	162.2	74.1	-0.5	672	0.0
	Telangana	7465	0	163.9	38.2	-1.7	301	0.0
	Karnataka	7540	0	147.2	33.9	-1.2	639	0.0
	Kerala	3139	0	62.8	45.9	1.4	192	0.0
	Tamil Nadu	12668	0	284.9	149.3	1.1	504	0.0
	Pondy	360	0	7.6	7.8	-0.2	33	0.0
	Bihar	5076	0	92.0	90.3	-2.4	135	0.0
ER	DVC	2849	0	59.2	-13.4	-0.2	320	0.0
	Jharkhand	1252	0	24.3	16.0	-1.3	70	0.0
	Odisha	4302	0	87.6	15.5	7.3	470	0.0
	West Bengal	7091	0	139.1	39.9	2.4	310	0.0
	Sikkim	51	0	0.5	1.1	-0.6	15	0.0
NER	Arunachal Pradesh	127	2	2.2	2.1	-0.1	82	0.0
	Assam	1596	75	28.0	22.1	0.1	129	0.8
	Manipur	162	3	2.6	2.3	0.3	21	0.0
	Meghalaya	309	0	5.7	1.6	0.3	39	0.0
	Mizoram	84	1	1.7	0.5	0.5	73	0.0
	Nagaland	126	2	2.1	2.1	-0.3	45	0.0
	Tripura	252	1	4.3	2.9	0.1	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.8	-0.5	-25.4
Day peak (MW)	1398.0	-152.2	-1092.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.1	-203.8	61.6	-74.5	-0.6	0.0
Actual(MU)	219.8	-214.6	56.6	-69.3	4.2	-3.3
O/D/U/D(MU)	2.7	-10.9	-5.0	5.1	4.7	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2797	17260	7552	1400	660	29668
State Sector	9006	17443	9970	5130	11	41560
Total	11803	34702	17522	6530	672	71228

G. Sourcwise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	499	1010	407	390	10	2316
Lignite	18	12	47	0	0	77
Hydro	176	71	136	112	15	509
Nuclear	28	29	60	0	0	116
Gas, Naptha & Diesel	28	74	15	0	24	140
RES (Wind, Solar, Biomass & Others)	41	44	112	2	0	200
Total	789	1240	776	504	49	3358

Share of RES in total generation (%)	5.24	3.57	14.49	0.42	0.10	5.96
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.00	11.61	39.67	22.69	30.10	24.58

H. Diversity Factor

All India Demand Diversity Factor	1.009
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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 : 14-Oct-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	52	295	0.0	2.2	-2.2	
2		SASARAM-FATEHPUR	S/C	145	78	1.3	0.0	1.3	
3		GAYA-BALIA	S/C	0	323	0.0	6.1	-6.1	
4		ALIPURDUAR-AGRA	-	0	701	0.0	15.1	-15.1	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	185	0.0	3.7	-3.7	
7		PUSAULI -ALLAHABAD	S/C	0	69	0.0	0.9	-0.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	697	0.0	9.2	-9.2	
9		PATNA-BALIA	Q/C	0	991	0.0	17.5	-17.5	
10		BIHARSHARIFF-BALIA	D/C	0	296	0.0	4.8	-4.8	
11		MOTIHARI-GORAKHPUR	D/C	0	9	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	166	100	1.3	0.0	1.3	
13		PUSAULI-SAHUPURI	S/C	0	154	0.0	2.7	-2.7	
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	
ER-NR						3.1	67.1	-64.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1256	0	23.8	0.0	23.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	769	0	11.9	0.0	11.9	
20		JHARSUGUDA-DURG	D/C	162	0	2.3	0.0	2.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	214	42	2.3	0.0	2.3	
22		RANCHI-SIPAT	D/C	272	0	4.8	0.0	4.8	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	53	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	120	0	2.5	0.0	2.5	
ER-WR						47.5	0.9	46.6	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1608.0	0.0	27.4	-27.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	480.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1290.0	0.0	26.1	-26.1	
28	400 kV	TALCHER-I/C	D/C	386.0	292.0	2.3	0.0	2.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	64.6	-64.6	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	572	0.0	8.9	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	0	439	0.0	7.6	-8	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	129	0.0	2.2	-2	
ER-NER						0.0	18.7	-18.7	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	16.8	-16.8	
NER-NR						0.0	16.8	-16.8	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	600	0.0	22.4	-22.4	
35		V'CHAL B/B	D/C	362	2	7.7	0.0	7.7	
36		APL -MHG	D/C	0	685	0.0	36.3	-36.3	
37	765 kV	GWALIOR-AGRA	D/C	0	1874	0.0	36.6	-36.6	
38		PHAGI-GWALIOR	D/C	0	1006	0.0	18.7	-18.7	
39		JABALPUR-ORAI	D/C	0	625	0.0	25.3	-25.3	
40		GWALIOR-ORAI	S/C	381	0	7.1	0.0	7.1	
41		SATNA-ORAI	S/C	0	1286	0.0	28.2	-28.2	
42		CHITTORGARH-BANASKANTHA	D/C	25	628	0.0	8.6	-8.6	
43	400 kV	ZERDA-KANKROLI	S/C	65	101	0.2	0.7	-0.5	
44		ZERDA -BHINMAL	S/C	0	244	0.0	3.2	-3.2	
45		V'CHAL -RIHAND	S/C	974	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	0	198	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	8	54	0.0	0.7	-0.7	
48		BHANPURA-MORAK	S/C	0	104	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	48	6	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	20	32	0.0	0.4	-0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						38.1	184.7	-146.6	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	192	312	4.3	0.8	3.4	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	485	1064	1.0	8.3	-7.3	
55		WARDHA-NIZAMABAD	D/C	0	1564	0.0	27.2	-27.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	577	0	9.2	0.0	9.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	61	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	1	35	0.7	0.0	0.7	
WR-SR						15.1	37.4	-22.3	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						32.8	
61		NEPAL						-0.5	
62		BANGLADESH						-25.4	