

Report for previous day

Date of Reporting

10-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)	54014	50416	44044	22000	2390	172864
Peak Shortage (MW)	1195	0	30	0	121	1346
Energy Met (MU)	1243	1224	1027	474	42	4009
Hydro Gen (MU)	261	51	73	84	19	489
Wind Gen (MU)	44	97	121	-----	-----	262
Solar Gen (MU)*	26.79	25.7	87.76	2.05	0.03	142
Energy Shortage (MU)	16.3	0.0	0.0	0.0	3.1	19.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57225 23:22	53919 16:40	46096 14:43	22916 22:53	2472 18:53	178198 23:03

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	0.086	0.68	4.53	15.52	20.73	67.91	11.37

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	7611	0	168.9	89.3	-1.7	43	0.0	
	Haryana	7956	0	170.7	131.6	-0.4	249	1.2	
	Rajasthan	10792	0	242.0	82.2	-0.4	268	0.0	
	Delhi	5760	0	117.1	100.3	-1.0	160	0.1	
	UP	20441	840	419.6	195.0	0.2	818	4.0	
	Uttarakhand	2084	0	43.8	19.5	-0.1	146	0.0	
	HP	1332	0	28.0	5.2	0.7	136	0.0	
	J&K	2300	575	47.2	26.5	0.0	177	11.1	
WR	Chandigarh	282	0	5.4	6.1	-0.7	0	0.0	
	Chhattisgarh	4275	0	97.0	48.6	-1.3	215	0.0	
	Gujarat	17232	0	376.2	95.6	4.6	794	0.0	
	MP	9401	0	213.5	102.0	0.0	734	0.0	
	Maharashtra	22047	0	496.2	141.3	-0.3	468	0.0	
	Goa	541	0	10.7	11.3	-1.2	42	0.0	
	DD	329	0	7.2	7.0	0.2	79	0.0	
	DNH	785	0	18.3	18.2	0.1	60	0.0	
SR	Essar steel	245	0	4.9	5.7	-0.8	147	0.0	
	Andhra Pradesh	9601	0	201.7	43.8	-0.7	407	0.0	
	Telangana	8013	0	172.5	51.4	2.0	421	0.0	
	Karnataka	11165	0	228.3	57.1	-0.6	509	0.0	
	Kerala	3988	0	83.1	57.1	0.9	209	0.0	
	Tamil Nadu	14939	0	332.9	141.6	1.8	980	0.0	
	Pondy	380	30	8.1	8.2	-0.1	52	0.0	
	ER	Bihar	5460	0	100.3	97.6	-0.1	400	0.0
DVC		3170	0	67.9	-51.1	0.3	300	0.0	
Jharkhand		1249	0	27.5	18.0	0.0	170	0.0	
Odisha		3966	0	82.2	24.9	-0.3	350	0.0	
West Bengal		9341	0	194.6	61.9	1.2	550	0.0	
Sikkim		100	0	1.4	1.5	-0.1	25	0.0	
NER		Arunachal Pradesh	112	1	2.2	2.5	-0.3	29	0.0
		Assam	1442	96	23.1	19.1	0.2	158	3.0
	Manipur	170	2	2.6	2.4	0.3	22	0.0	
	Meghalaya	322	0	5.5	2.2	0.1	70	0.0	
	Mizoram	93	1	1.6	1.5	0.1	16	0.0	
	Nagaland	110	0	2.3	2.1	0.1	17	0.0	
	Tripura	294	0	4.9	5.2	-0.3	60	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.5	-11.1	-26.7
Day peak (MW)	872.6	-549.7	-1135.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	283.6	-293.0	89.7	-70.2	-9.9	0.1
Actual(MU)	276.4	-293.0	94.7	-59.8	-11.6	6.7
O/D/U/D(MU)	-7.2	0.1	5.0	10.4	-1.7	6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4967	11234	9362	1350	354	27267
State Sector	10105	14710	4230	2985	50	32080
Total	15072	25944	13592	4335	403	59346

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	556	1264	528	493	12	2851
Lignite	16	14	44	0	0	74
Hydro	261	51	73	84	19	489
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	36	49	15	0	29	129
RES (Wind, Solar, Biomass & Others)	95	129	242	2	0	468
Total	991	1538	938	579	60	4107

Share of RES in total generation (%)	9.56	8.41	25.77	0.36	0.05	11.40
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.65	13.73	37.49	14.90	32.16	25.61

H. Diversity Factor

All India Demand Diversity Factor	1.025
-----------------------------------	-------

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 : 10-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	0	388	0.0	4.4	-4.4	
2		SASARAM-FATEHPUR	S/C	75	256	0.0	1.5	-1.5	
3		GAYA-BALIA	S/C	0	338	0.0	6.0	-6.0	
4		ALIPURDUAR-AGRA	-	0	902	0.0	21.6	-21.6	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	63	0.0	0.9	-0.9	
7		PUSAULI -ALLAHABAD	S/C	4	50	0.0	0.2	-0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	566	0.0	8.3	-8.3	
9		PATNA-BALIA	Q/C	0	751	0.0	14.3	-14.3	
10		BIHARSHARIFF-BALIA	D/C	0	377	0.0	7.6	-7.6	
11		MOTIHARI-GORAKHPUR	D/C	0	302	0.0	5.6	-5.6	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	44	192	0.0	1.9	-1.9	
13		PUSAULI-SAHUPURI	S/C	0	221	0.0	3.8	-3.8	
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						0.4	77.4	-77.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1483	0	27.9	0.0	27.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1032	0	18.5	0.0	18.5	
20		JHARSUGUDA-DURG	D/C	227	0	3.0	0.0	3.0	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	246	10	2.8	0.0	2.8	
22		RANCHI-SIPAT	D/C	333	0	5.8	0.0	5.8	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	91	0.0	1.3	-1.3	
24		BUDHIPADAR-KORBA	D/C	133	0	2.5	0.0	2.5	
ER-WR						60.5	1.3	59.2	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1562.0	0.0	28.9	-28.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	16.0	-16.0	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1979.0	0.0	41.9	-41.9	
28	400 kV	TALCHER-I/C	D/C	104.0	442.0	0.0	2.1	-2.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	86.8	-86.8	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	399	0.0	4.0	-4	
31		ALIPURDUAR-BONGAIGAON	D/C	419	0	6.7	0.0	7	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	31	32	0.2	0.0	0	
ER-NER						6.9	4.0	2.9	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	400	0.0	9.3	-9.3	
NER-NR						0.0	9.3	-9.3	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1004	0.0	21.8	-21.8	
35		V'CHAL B/B	D/C	244	0	6.0	0.0	6.0	
36		APL -MHG	D/C	0	1543	0.0	30.1	-30.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2595	0.0	52.4	-52.4	
38		PHAGI-GWALIOR	D/C	0	1641	0.0	27.3	-27.3	
39		JABALPUR-ORAI	D/C	0	979	0.0	38.7	-38.7	
40		GWALIOR-ORAI	S/C	468	0	8.6	0.0	8.6	
41		SATNA-ORAI	S/C	0	1478	0.0	33.2	-33.2	
42		CHITORGARH-BANASKANTHA	D/C	0	913	0.0	13.5	13.5	
43	400 kV	ZERDA-KANKROLI	S/C	94	96	0.2	0.0	0.2	
44		ZERDA -BHINMAL	S/C	34	165	0.0	1.5	-1.5	
45		V'CHAL -RIHAND	S/C	974	0	22.5	0.0	22.5	
46	220 kV	RAPP-SHUJALPUR	D/C	0	400	0	3	-3	
47		BHANPURA-KOTA	S/C	24	39	0.0	1.6	-1.6	
48		BHANPURA-MORAK	S/C	0	149	0.0	2.4	-2.4	
49		MEHGAON-AURAIYA	S/C	32	21	0.1	0.1	0.0	
50		MALANPUR-AURAIYA	S/C	0	51	0.0	0.8	-0.8	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						37.4	225.9	-161.5	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	705	0.0	16.8	-16.8	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	345	1606	0.0	14.7	-14.7	
55		WARDHA-NIZAMABAD	D/C	0	1792	0.0	20.4	-20.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	607	116	5.6	0.0	5.6	
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	63	1.2	0.0	1.2	
WR-SR						6.9	51.9	-45.1	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						12.5	
61		NEPAL						-11.1	
62		BANGLADESH						-26.7	