

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

Report for previous day

Date of Reporting

1-Jun-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)	56432	50970	43386	19749	2408	172945
Peak Shortage (MW)	1107	0	0	0	87	1194
Energy Met (MU)	1342	1253	1027	445	45	4112
Hydro Gen (MU)	306	23	47	67	15	459
Wind Gen (MU)	18	89	90	-----	-----	197
Solar Gen (MU)*	27.84	24.88	81.61	2.26	-----	137
Energy Shortage (MU)	15.8	0.0	0.0	0.0	1.0	16.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60422 22:29	55537 00:42	45233 15:00	20584 20:15	2383 19:50	178134 15:01

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	0.034	0.00	0.13	1.31	1.44	69.26	29.31

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	8640	0	188.8	86.4	-1.5	69	0.0
	Haryana	8790	63	189.1	121.3	0.8	279	0.2
	Rajasthan	11528	0	255.7	67.5	1.7	578	0.0
	Delhi	6371	0	131.6	110.7	-0.3	255	0.0
	UP	20903	560	445.2	198.7	0.6	582	4.5
	Uttarakhand	2155	0	47.8	23.5	-0.3	134	0.0
	HP	1457	0	30.5	6.0	0.6	239	0.0
	J&K	2195	549	47.4	27.1	-0.5	220	11.2
	Chandigarh	327	0	6.2	7.3	-1.1	0	0.0
WR	Chhattisgarh	3811	0	86.2	38.7	-3.4	393	0.0
	Gujarat	18094	0	392.8	98.3	9.1	748	0.0
	MP	9893	0	226.6	104.4	0.0	488	0.0
	Maharashtra	22294	0	505.9	133.1	-0.9	846	0.0
	Goa	541	0	12.3	11.5	0.2	21	0.0
	DD	332	0	7.4	7.1	0.3	26	0.0
	DNH	736	0	16.5	16.3	0.1	94	0.0
	Essar steel	328	0	5.7	5.7	0.0	340	0.0
	SR	Andhra Pradesh	9500	0	196.3	67.8	0.5	518
Telangana		8568	0	181.2	59.8	0.5	420	0.0
Karnataka		10905	0	212.7	56.1	-0.4	712	0.0
Kerala		3856	0	84.1	59.8	1.6	393	0.0
Tamil Nadu		15352	0	343.0	160.4	-0.3	555	0.0
Pondy		429	0	9.2	9.4	-0.2	40	0.0
ER		Bihar	4831	0	80.5	76.8	-0.4	200
	DVC	3003	0	66.0	-37.4	0.0	250	0.0
	Jharkhand	1000	0	24.8	16.1	-0.8	100	0.0
	Odisha	4779	0	96.6	45.6	0.1	400	0.0
	West Bengal	8329	0	175.9	56.6	-0.3	500	0.0
	Sikkim	91	0	1.2	1.3	-0.1	20	0.0
NER	Arunachal Pradesh	104	3	2.1	2.2	-0.2	16	0.0
	Assam	1507	36	26.7	22.0	0.7	145	0.6
	Manipur	153	4	2.4	2.2	0.2	24	0.0
	Meghalaya	306	0	4.9	2.8	0.1	51	0.3
	Mizoram	85	2	1.7	1.3	0.3	17	0.0
	Nagaland	118	2	2.1	2.2	-0.1	15	0.0
	Tripura	263	2	4.8	4.6	-0.3	50	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.0	-8.1	-26.2
Day peak (MW)	563.4	513.5	485.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	223.1	-268.3	75.9	-30.8	-0.2	-0.4
Actual(MU)	240.5	-268.5	89.7	-61.0	-3.0	-2.3
O/D/U/D(MU)	17.4	-0.1	13.8	-30.2	-2.7	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4096	11771	5762	950	327	22906
State Sector	7050	11925	4760	4190	50	27975
Total	11146	23696	10522	5140	377	50880

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	659	1295	576	456	9	2995
Lignite	25	18	45	0	0	87
Hydro	306	23	47	67	15	459
Nuclear	27	25	58	0	0	110
Gas, Naptha & Diesel	51	48	14	0	29	142
RES (Wind, Solar, Biomass & Others)	64	120	205	2	0	392
Total	1133	1529	946	525	53	4186

Share of RES in total generation (%)	5.63	7.87	21.72	0.44	0.06	9.36
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.07	11.02	32.87	13.24	27.89	22.96

H. Diversity Factor

All India Demand Diversity Factor	1.034
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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 :	1-Jun-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	152	261	0.0	2.1	-2.1	
2		SASARAM-FATEHPUR	S/C	80	202	0.0	2.1	-2.1	
3		GAYA-BALIA	S/C	0	375	0.0	6.2	-6.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	11.6	-11.6	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	112	0.0	1.9	-1.9	
7		PUSAULI -ALLAHABAD	S/C	55	4	0.8	0.0	0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	672	0.0	11.8	-11.8	
9		PATNA-BALIA	Q/C	0	1004	0.0	18.8	-18.8	
10		BIHARSHARIFF-BALIA	D/C	0	486	0.0	9.1	-9.1	
11		MOTIHARI-GORAKHPUR	D/C	0	386	0.0	7.2	-7.2	
12		BIHARSHARIFF-VARANASI	D/C	96	141	0.0	1.2	-1.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	168	0.0	3.2	-3.2	
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>1.3</b>	<b>76.6</b>	<b>-75.3</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1823	0	35.3	0.0	35.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	957	0	12.2	0.0	12.2	
20		JHARSUGUDA-DURG	D/C	268	0	3.1	0.0	3.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	496	0	7.9	0.0	7.9	
22		RANCHI-SIPAT	D/C	334	0	3.4	0.0	3.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	25	68	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	188	0	1.7	0.0	1.7	
						<b>ER-WR</b>	<b>63.6</b>	<b>0.6</b>	<b>63.0</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1816.0	0.0	30.2	-30.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	677.0	0.0	11.2	-11.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1979.0	0.0	41.4	-41.4	
28	400 kV	TALCHER-I/C	D/C	1016.0	350.0	0.0	1.8	-1.8	
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>82.8</b>	<b>-82.8</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	363	0.0	5.5	-6	
31		ALIPURDUAR-BONGAIGAON	D/C	256	121	0.3	0.0	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	16	70	0.0	0.8	-1	
						<b>ER-NER</b>	<b>0.3</b>	<b>6.3</b>	<b>-6.0</b>
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	402	0.0	9.7	-9.7	
						<b>NER-NR</b>	<b>0.0</b>	<b>9.7</b>	<b>-9.7</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1758	0.0	41.6	-41.6	
35		V'CHAL B/B	D/C	451	0	10.0	0.0	10.0	
36		APL -MHG	D/C	0	1638	0.0	38.8	-38.8	
37	765 kV	GWALIOR-AGRA	D/C	0	2324	0.0	43.4	-43.4	
38		PHAGI-GWALIOR	D/C	0	998	0.0	17.6	-17.6	
39		JABALPUR-ORAI	D/C	0	845	0.0	28.7	-28.7	
40		GWALIOR-ORAI	S/C	390	0	7.6	0.0	7.6	
41		SATNA-ORAI	S/C	0	1355	0.0	28.6	-28.6	
42		CHITTORGARH-BANASKANTHA	D/C	77	535	0.0	3.0	3.0	
43		ZERDA-KANKROLI	S/C	143	35	2.6	0.0	2.6	
44	400 kV	ZERDA -BHINMAL	S/C	208	0	2.5	0.0	2.5	
45		V'CHAL -RIHAND	S/C	965	0	22.2	0.0	22.2	
46	220 kV	RAPP-SHUJALPUR	D/C	40	256	0	1	-1	
47		BHANPURA-KOTA	S/C	18	38	0.1	0.1	-0.1	
48		BHANPURA-MORAK	S/C	0	137	0.0	1.9	-1.9	
49	132kV	MEHGAON-AURAIYA	S/C	54	0	1.1	0.0	1.1	
50		MALANPUR-AURAIYA	S/C	20	6	0.3	0.0	0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>46.4</b>	<b>204.5</b>	<b>-152.2</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.4	-23.4	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1772	0.0	14.2	-14.2	
55		WARDHA-NIZAMABAD	D/C	0	1976	0.0	26.9	-26.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	709	677	14.5	0.0	14.5	
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	55	1.2	0.0	1.2	
						<b>WR-SR</b>	<b>15.8</b>	<b>64.5</b>	<b>-48.8</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>10.0</b>	
61		NEPAL						<b>-8.1</b>	
62		BANGLADESH						<b>-26.2</b>	